

Year-wise MoM of Board of Studies of CMRU

In this file, we have included the minutes of the meetings (MoMs) of Board of Studies organized in the previous years for all the schools. Please find the index and order below.

1. BoS Meeting (MoM) – 2018-19
2. BoS Meeting (MoM) – 2019-20
3. BoS Meeting (MoM) – 2020-21
4. BoS Meeting (MoM) – 2021-22
5. BoS Meeting (MoM) – 2022-23
6. BoS Meeting (MoM) – 2023-24



Minutes of the Fifth Board of Studies Meeting - School of Economics & Commerce
Held on 18th May 2018 at 3.30 pm
In the Board-Room, CMR University City Campus, Bangalore

The following Members were present

S No.	Members	Role
1.	Dr. Shiv K Tripathi Sr. Professor & Dean, CMRU ✓	Chairman
2.	Dr. B. S. Patil (Economics) ✓	Member
3.	Dr. Basanna S. Patagundi (IT & General Management) ✓	Member
4.	Dr. Abhijit Chakraborty (Accounting & Finance) ✓	Member
5.	Dr. S. Ramesh Professor & Dean ✓ Mount Carmel College, Bangalore.	Member
6.	Shri. K. Raghu Partner, K Raghu & Co. ✓ Chartered Accountants, Bangalore.	Member
7.	Mrs. Fathima Imraz Manager - Operations International Skill Development Corporation Limited (ISDC)	Special invitee
8.	Mrs. Sapna Nibsaiya Regional Head- Learning Support & Relations International Skill Development Corporation Limited (ISDC)	Special invitee
9.	Representative from OMBR Campus	Special invitee
10.	Dr. Srinivas K.T. Associate Professor & Director(i/c) ✓	Member Secretary

1. Welcome and Introduction by the Chairperson:

Chairperson welcomed the members and the special invitees to the 5th Board of Studies meeting of School of Economics and Commerce, CMR University. He shared the school vision and requested the members to provide valuable suggestions to improve teaching learning process of the school programmes.

2. Confirmation of the Minutes:

The Minutes of the previous Board of Studies Meeting held on 3rd April 2017 were placed before all members. The members unanimously approved the Minutes.

3. Action taken on the Minutes:

The Action taken report on the Minutes of the 4th Board of Studies meeting dated 3rd April 2017 was reviewed by the members. Members noted the developments and appreciated the efforts by the school.

4. Items to Report: Events held in the Schools in the past academic year

Member Secretary, Dr. Srinivas K T, presented a report on various academic events and other developments in the School during the past Academic Year (2017-2018).

Dr. Ramesh suggested to provide incentives for faculty publication, so that it strengthens research in the University.

CA. Raghu suggested to provide course materials in soft copy/hard copy for the students like ICAI, which can also be used for the examination question bank.

CA. Raghu suggested to circulate a e-newsletter to all the BOS members of the school regarding the events and other developments in the School. He also suggested to hold BOS twice a year.

CA. Raghu also urged the University to start B.Com. Integrated with CA courses from the next academic year. He also offered to help the proposed content integration process with ICAI.

All the members applauded the members of the school for progress and accomplishment.

5. To consider and grant approval for starting a new program M.Com. (Executive) in International Accounting & Finance and to approve the Program Structure and Curriculum.

Member Secretary, presented the program structure and curriculum for M.Com. (Executive) in International Accounting and Finance. Member Secretary also stated that M.Com. (Executive) program will be offered only after obtaining approval from UGC.

Key observations/suggestions:

1. Some members were of view to conduct a survey to identify the demand for M.Com (Executive) in International Accounting and Finance, since most of the students prefer MBA (Executive) in Finance and other specializations.
2. Dr. Ramesh suggested to offer Industry integrated M. Com. program with specialization in the regular mode, since there is a demand by the students and industry too

3. Some members were of view to collect more information and apply to UGC for approval before starting the programme.

It was agreed to keep programme on hold and send it first to UGC, as it requires change in nomenclature.

6. Review and Modification of Existing UG and PG Programs

- a) **To consider and approve scheme of teaching and Evaluation for the following Programmes(CBCS Scheme for academic year 2018-19)**
 - B.Com. (2018-21 Batch, 2017-2018 Batch)
 - B.ComH. (2018-21 Batch, 2017-2018 Batch)
 - B.ComH in IAF (2018-21 Batch, 2017-2018 Batch)
 - B.ComH in RMA (2018-21 Batch, 2017-2018 Batch)
 - M.Com (2018-20 Batch, 2017-2019 Batch)

Member Secretary presented the Scheme of Teaching and Evaluation and curriculum for the above programmes i.e. curriculum I, II Semester of UG Programs of 2018-21 Batch, III & IV Semester of PG programmes (2017-2019 Batch) and III & IV Semester of both UG/PG Program of 2017-219 Batch. He also shared UGC guidelines/ model curriculum.

Key Observations/suggestions:

CA. Raghu suggested to introduce courses on Block Chain, Artificial Intelligence (AI), and Business analytics as a part of Ability Enhancement Compulsory courses (AECC) for UG and PG students. He also appreciated the kind core courses & Specialization courses being offered.

After detailed deliberations, the members unanimously approved the credit distribution, program structure and curriculum for year 2018-2019 (Under CBCS) i.e. I/II Semester of UG Programs (2018-2021 Batch), I/II Semester of PG Programs (2018-2020 Batch) and III & IV Semester of both UG and PG Programs (2017-20 UG and 2017-19 batch PG)..

b) To Consider and approve the scheme of Teaching and Evaluation for the following Programmes (for Academic year 2018-19)

- B.Com.(2016-19 Batch)
- B.Com. (Hons.) (2016-19 Batch)
- B.Com.(Hons.) in IAF (2016-19 Batch)
- B.Com(Hons.) in RMA .(2016-19 Batch)

Member Secretary presented the Program Structure and the Curriculum of V and VI Semesters of 2016-19 for UG Programs (non CBCS Scheme)

Members suggested to allot ACCA and CIMA courses to faculty with experience and also suggested to take FDPs organized by ISDC in association with CMRU.

After detailed deliberations, the members unanimously approved the Program Structure and the Curriculum of V and VI Semesters of Batch 2016-19 for UG Programs.

7. To Ratify the Program regulations of existing programmes (if any): UG & PG Regulations.

After detailed discussions, members unanimously ratified the program regulations of the existing programs.

8. To recommend and introduce Additional credits/Value Added/Online Professional courses (Priced or free version).

Member secretary requested the BOS to suggest some professional certificate courses for students to earn additional credits. Members suggested to include more MOOC and Swayam courses.

9. To brief the Board about the Existing/proposed Knowledge Collaborators of the University.

Member Secretary briefed about knowledge collaborators of the university including ISDC, ACCA and CIMA.

Members appreciated and suggested to study the impact of the knowledge collaborations on students' teaching-learning process.

10. To Consider and approve the List of Examiners CMRU - BOE for the Year 2018-19

Member secretary proposed to have at least 40% of External Examiners in the question paper setting process.

The members authorised the Member Secretary to propose the name external examiners in consultation with the Dean. The list may be sent to examination department after approval of the Vice Chancellor.

11. Any other matters with the permission of the chair

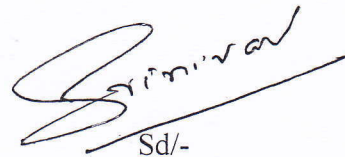
- Question Paper Pattern and SEE Examination Marks

Member Secretary presented the existing question paper pattern for UG and PG program which is in place. Member secretary also presented SEE Examination marks distribution,

Members suggested instead of conducting exam for 100 marks, and then scaling down to 50 marks, directly it can be conducted for 50 marks and 2 hours duration.

After deliberations, members approved the question paper pattern for both UG and PG (template attached.)

Meeting ended with the vote of thanks.


Sd/-

Dr. Srinivas K T
Member Secretary
Board of Studies
School of Economics & Commerce

**MINUTES OF THE FIFTH BOARD OF STUDIES MEETING OF SCHOOL OF
MANAGEMENT
HELD ON 17th May 2018 AT 3.30 P.M.
IN THE BOARD-ROOM, CMR UNIVERSITY CITY CAMPUS, BANGALORE**

The following Members were present

- | | |
|---|------------------|
| 1. Dr. Shiv K Tripathi , Dean, CMRU City Campus | Chairperson |
| 2. Dr. N. S. Viswanath, Director, M P Birla Institute of Management, Bangalore | Member |
| 3. Dr. Sriram Kothapalli, Professor, SoM | Member |
| 4. Dr. Srinivas K T, Director(i/c), SoEC | Member |
| 5. Dr. Subhashree Kar, Associate Professor, SoM | Member |
| 6. Mr. Santhosh Jayaram, Partner and Head, Sustainability and CSR Advisory, KPMG, Bangalore | Special Invitee |
| 7. Prof. Badiuddin Ahmed, Dean, School of Commerce and Business Management | Special Invitee |
| 8. Prof. Suja Benett, Principal, CMRIMS | Special Invitee |
| 9. Dr. Basanna Patagundi, Director(i/c)., SoM | Member Secretary |



1. Welcome and Introduction by the Chairperson:

Chairperson Dr. Shiv Tripathi heartily welcomed the members and the special invitees to the 5th Board of Studies meeting of School of Management. He briefly introduced the new members of the Board.

2. Confirmation of the Minutes: To Confirm the Minutes of the 4th Board of Studies Meeting held at CMR University Campus on 3rd April 2017.

The Minutes of the previous Board of Studies Meeting held on 4th April 2017 were placed before all members and after going through the same, the members unanimously approved the Minutes.

3. Action taken on the Minutes: To report action taken on the Minutes of the 4th Board of Studies Meeting held at CMR University on 3rd April 2017.

The Action taken report on the Minutes of the 4th Board of Studies meeting was reviewed by the members. Members appreciated the efforts made by the team.

4. Items to Report: Events held in the respective Schools in the past academic year

Dr. Basanna Patagundi presented a report on various events, conferences and key achievements of the School for the academic year 2017-18. All the members applauded the team for successfully conducting and participating in the academic events.

5. New Programs

- a) **To consider and approve to start the new MBA (Executive) program with different elective options with sustainability focus and modular delivery approach.**

Member Secretary, Dr. Basanna Patagundi presented the program structure and curriculum of I and II semester of MBA(Executive) program with different elective options, sustainability focus and modular delivery approach and requested to consider and approve.

Dr. Shiv K Tripathi briefed the board about the significance of the program and opined that the focus of the program will be mainstreaming of sustainability and social responsibility, which is a niche area in business schools. He also mentioned that the course will be delivered through modular approach with two workshops of 7 days in a semester. The courses are proposed to be delivered by professors from India and abroad with repute. For this purpose, the knowledge partnerships from reputed international agencies may also be invited.

Key observations/suggestions:

- Dr. N S Viswanath and Mr. Santhosh Jayaram were of the opinion that the area of Sustainability is in a nascent stage. Sustainability requires expertise from multiple disciplines such as Social Sciences, Engineering etc. They mentioned that combining multiple disciplines in one program may not be viable. The proposed courses in the program should be logically connected between compulsory courses in first semester and specialization courses in second & third semester.



- Dr. Sriram mentioned that School of Management is proposing this program since it is a niche area and an opportunity to build conceptually as a stream in the future.
- Some of the members were of the opinion that the program can be offered as a generic MBA (Executive) program with Sustainability as one of the specialization along with the other specialization proposed. The compulsory courses offered in MBA (Executive) can be generic courses rather than having sustainability focus.
- Mr. Santhosh suggested to review courses offered by IIM – Lucknow and Xavier Institute of Management on sustainability, Symbiosis University on Energy Management and gather inputs to fine tune the proposed specialization in sustainability.
- Mr. Santhosh suggested to have one industry speaker for each specialization stream to orient students before they choose the specialization stream in the second semester. This practice would help students to select appropriate specialization.
- Mr. Santhosh suggested to offer certification program from the existing structure where one or two courses can be delivered in a company along with the regular students of the program. The industry executive who attend the courses would get a certificate from the university. CMRU can collaborate with a few corporates who are interested in training their employees on sustainability.

After detailed deliberations, the members unanimously approved to start the new program MBA (Executive) program in which sustainability and social responsibility issues will be mainstreamed without adding sustainability in nomenclature.

- b) To consider and approve specialised MBA (Executive) program in Business Analytics with modular delivery approach.

Member Secretary Dr. Basanna presented the program structure of MBA (Executive) program in Business Analytics.

Key Observations/suggestions

- Members were of the opinion that the Business Analytics can be offered as one of the specializations in MBA (Exec) program rather than having specialized program in Business Analytics.
- The school can strengthen the newly proposed MBA (Exec.) program by offering multiple specializations before starting a specialized program.
- The program may be considered in the next academic year depending on the response for MBA(Exec.) program with multiple specializations.

After detailed deliberations, the members unanimously agreed to introduce Business Analytics as one of the Specialization areas of the MBA (Executive) programme. (Annexure I)



6. Review and modification of Existing UG & PG Programs, if any

a) To consider and approve Scheme of Teaching and Evaluation for the following programmes (CBCS Scheme for academic year 2018-2019)

i. BBA (including honours)

ii. MBA

iii. MBA (Executive) in Product Leadership

iv. MBA (Executive)

v. MBA (Executive) in Business Analytics

Member Secretary presented the Scheme of Teaching and Evaluation for BBA(including honours), MBA, MBA(Executive) in Product Leadership, MBA(Executive) and generic MBA (Executive) with multiple specializations.

Key Observations/suggestions

- Members mentioned to follow the UGC guidelines and offer program with 120 credits for an Undergraduate Degree ,140 for Undergraduate Degree with Honors and MBA as per AICTE guidelines.
- Members also suggested to include more practice and directed self-learning components in the programme and reduce the face-to-face learning.
- Members were of view the the 'Honors' can be specialization focused to distinguish its knowledge and skill contribution.
- The core courses to be offered with 6 credits and electives with 4 credits.
- The MOOCs courses offered by IIM Bangalore to be explored and could be adopted as a course with appropriate credits in the program.
- The dissertation for MBA program to be designed more rigorously and can be made mandatory to publish in a refereed journals
- Mr. Santhosh suggested encourage faculty members to take industry consultancy projects. To begin with SME's may be concentrated.

After detailed deliberations, the members unanimously approved Scheme of Teaching and Evaluation for BBA (including honours, which is to be converted to different functional area specific Honors like Marketing, Finance, etc), MBA, MBA (Executive) in Product Leadership and MBA (Executive) with multiple specializations.. (Annexure II)

7. To consider credit waiver/lateral entry for post graduate/executive Master's program in Management for admission to MBA (Executive) program.

Member secretary presented the details of MBA (Executive) in product leadership program. The credit waiver was required for the executives from the first three batches of EMBA in product leadership. The graduates wanted to earn MBA (Executive) degree, therefore the provision to have lateral entry was placed before the board.

Key Observations/suggestions



- Members were of the opinion to discourage lateral entry to MBA(Executive) program since, it will lead to many operational and documentation process.
- The credit waiver to be provided according to guidelines of the concerned regulatory authorities.

After detailed deliberations, the members unanimously referred to the academic council to make a special provision for only CMRU EMBA students of January & July 2016 batch and January 2017 batch.

8. To ratify the new Program Regulations of existing programs..

After discussions, the members approved to continue with existing regulations for the program.

9. To recommend and introduce Additional credits/Value Added/Online Professional Certificate Courses (priced or free version)

The members unanimously recommended to use MOOCs courses offered by IIM, Bangalore, Swayam and reputed foreign universities for certificate courses. The Director, School of Management, was authorized to identify and integrate such courses.

10. To brief the Board about the new/proposed Knowledge Collaborators of the School.

Member Secretary briefed new/proposed knowledge collaborators of the university which included One Planet Education Network (OPEN), 361Minds, Indo-German Chamber of Commerce (IGCC).

The members appreciated the efforts of the university to have knowledge collaborators which would help in designing courses as per the industry requirement.

11. To consider and approve the list of Panel of Examiners for the year 2018-19

Member Secretary briefed the current composition of panel of examiners.

Key Observations/suggestions

- The member suggested to have 40% of the examiners to be external examiners.
- The course faculty can identify one external examiner for each of the courses that they teach. The list can be handed over to Director of the school. The director of the school in consultation with Dean can submit panel of examiners to Registrar (Evaluation) office after approval of the Vice Chancellor.
- The external examiners need to have minimum of 5 years of experience.

12. Any other matters with the permission of the Chair.

Members Secretary presented the following with permission of the chair.

- a) Question Paper Pattern for PG and UG program
- b) Modular approach for entry and multiple exit in MBA(Executive) program.

Key Observations/suggestions

- a) Question Paper Pattern for PG and UG program



- Members were of the opinion that the current question paper pattern contains more questions which may have an impact on student's performance.
- The current pattern of 50% SEE and 50% CIE can be modified.
- The SEE can be conducted either for 70 marks of three hours duration or 50 marks for 2 hours duration.
- The SEE can contain three sections namely Section A with 3 marker questions, Section B with 8 marker question and Section C, preferably a case study or application oriented question with 15/25 marks.
- The members also suggested to explore the possibility of using viva-voce for each of the course as SEE for PG programs.

After detailed deliberations, the members authorized Chairperson to form an internal committee to propose the changes and get it approved by circulation.

b) Modular approach for entry and multiple exits in MBA(Executive) program.

- This approach may be overload on students and faculty under the current conditions.
- May be considered, however the classes must be held face to face.

13. The meeting was concluded with the vote of thanks.



Sd/-

Dr. Basanna Patagundi
Member Secretary
Board of Studies
School of Management



Minutes of the Sixth Board of Studies Meeting School of Economics and Commerce

Date and Time: 27th Dec 2018 at 2.00 pm

Venue: Board-Room, CMR University City Campus, Bangalore

The following were present:

- | | | |
|---|---|------------------|
| 1. Dr. Shiv K Tripathi
Sr. Professor & Dean, CMRU | X | Chairman |
| 2. Dr. S. Ramesh
Professor & Dean, Mount Carmel College, Bangalore | ✓ | Member |
| 3. Shri. K. Raghu
Partner, K Raghu & Co., Chartered Accountants, Bangalore | ✓ | Member |
| 4. Dr. Basanna S. Patigundi
Associate Professor, School of Management | X | Member |
| 5. Dr. Abhijit Chakraborty
Assistant Professor, School of Economics and Commerce | ✓ | Member |
| 6. Dr. M.S. Annapoorna
Professor, School of Economics and Commerce | | Special Invitee |
| 7. Dr. Srinivas K.T.
Associate Professor & Director (i/c) | ✓ | Member Secretary |

MINUTES

Agenda 1.0: Welcome and Introduction by the Chairperson:

- 1.1 Chairperson welcomed the members and the special invitee to the 6th Board of Studies meeting of School of Economics and Commerce, CMR University.
- 1.2 Chairman also introduced the context of the meeting and explained about the new approach to organize two BOS meetings in a year. Members welcomed and appreciated this move initiated by the Hon'ble Vice Chancellor for better academic accountability.

Agenda 2.0: Confirmation of the Minutes of 5th BOS Meeting:

- 2.1 The Minutes of the 5th Board of Studies Meeting held on 18th May 2018 were placed. Members unanimously approved the Minutes.

Agenda 3.0: Action taken on the minutes:

- 3.1 Member Secretary, Dr. Srinivas K.T. presented Action Taken Report on the Minutes of the 5th Board of Studies meeting dated 18th May 2018.
- 3.2 Member Secretary also presented a report on various academic events and other developments in the School from May 2018 to Dec 2018. Members noted the progresses and appreciated the efforts by the School.
- 3.3 The Action taken report was reviewed by the members and the following were specific observations:
- 3.3.1 Suggested to organize 'Commerce Fest' to promote the programs of the University.
 - 3.3.2 Suggested to start cloud campus like ICAI by eminent subject experts, which will add value to the university and also student's gets benefit out of it.
 - 3.3.3 Felt strong need to start B.Com. Integrated with CA courses from the next academic year. It was agreed that the Member Secretary will coordinate with C.A. Mr. Raghu for proposed content integration process with ICAI and seeking approval from Board of Studies of ICAI. C.A. Mr. Raghu accepted to support the process.
- 3.3 Members suggested for following up and expediting the actions, which are in the process of implantation.

Agenda 4.0: Introduction of Programs at UG (B.Com. /B.Com. in Management Accounting) and PG (M.Com.) Level in the evening mode.

- 4.1 Member Secretary, presented the program structure and curriculum for B.Com./B.Com. in Management Accounting
- 4.2 After detailed deliberations, the members unanimously approved the Program Structure and the Curriculum for introduction of B.Com./B.Com (Management Accounting).
- 4.3 Members also, in-principle, accepted the possible knowledge partnership with service providers of American Management accounting programme (with preference over other

International Accounting Knowledge providers) for the proposed specialized UG programme.

4.4. Member Secretary, presented the program structure and curriculum for M.Com. in in the evening mode.

4.5 After detailed deliberations, the members unanimously approved the introduction of proposed M.Com. programme in evening mode.

Agenda 5.0: Review and Modification of Existing UG and PG Programs - to consider and approve scheme of teaching and Evaluation for the following Programmes (CBCS Scheme for academic year 2019-20)

- B.Com. (2019-22, 2018-21 Batch, 2017-2018 Batch)
- B.Com (H). (2019-22, 2018-21 Batch, 2017-2018 Batch)
- B.Com (H) in IAF (2019-22, 2018-21 Batch, 2017-2018 Batch)
- B.Com (H) in RMA (2019-22, 2018-21 Batch, 2017-2018 Batch)
- M.Com (2019-22 and 2018-20 Batch)

5.1 Member Secretary presented the Scheme of Teaching and Evaluation and curriculum for the above programs of 2019-20 academic year.

5.2 Members approved the programme with following specific observations for the improvements in future:

5.2.1 Suggested to introduce more technology related courses (as add-on certification) in view of opportunities in analytics, block chain, financial technologies and artificial intelligence areas add on certificates courses.

5.2.2. Suggested to conduct classes on advance level of excel emphasizing on financial formulas with hands on approach.

5.2.3. Suggested to encourage more teaching delivery by the industry experts.

5.2.4. Suggested to motivate the faculty to use more technology in the teaching & learning process (For example: use of google classroom)

5.2.5 Suggested to inculcate the importance of e-learning, web casting, knowledge gateway, mobile app etc., among the students.

5.3: After detailed deliberations, the members unanimously approved the program structure and curriculum for the academic year 2019-2020.

Agenda 6.0: To brief the Board about the Existing/proposed Knowledge Collaborators of the University.

6.1. Member Secretary briefed about knowledge collaborators of the university including ISDC, ACCA and CIMA.

6.2 Member Secretary briefed about proposed knowledge collaborator i.e. Institute of Management Accountants through Miles education to offer Certified Management Accountant (US CMA) courses at UG level.

6.3 Members recognized that US CMA is well recognized, and the proposal for knowledge partnership can be considered. After detailed deliberations, the members unanimously approved to have collaborations with IMA through Miles education.

Agenda 7.0: To Consider and approve the List of Examiners CMRU - BOE for the Year 2019-20

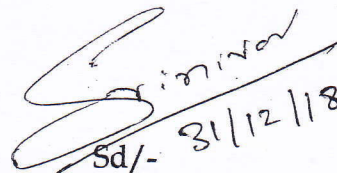
7.1 Suggested to consider external examiners for at least one set of question paper in each course, which increases the credibility of examination process. However, in view of time constraints and availability of examiners, the Member Secretary was authorized to propose arrangements upon approval of Vice Chancellor.

7.2 Members authorised the Member Secretary to propose the names of external examiners in consultation with the Dean. The list may be sent to examination department after approval of the Vice Chancellor.

Agenda 8.0: Any other matters with the permission of the chair

8.1 There were no additional agenda items.

8.2 Meeting ended with the vote of thanks.


Sd/- 31/12/18

Dr. Srinivas K T
Member Secretary
Board of Studies
School of Economics & Commerce

School of Legal Studies

Meeting of the Board of Studies (As per Section 22 of CMR University Act)

Resolutions

01-12-2018, Saturday

The Board of Studies meeting of the School of Legal Studies, CMR University was held on 1st of December, 2018 at the School of Legal Studies Campus

The following resolutions were unanimously adopted following the discussion on the items placed before the Board

I

- a) The School of Legal Studies proposes to start a **B.Com., LL.B. (Hons)** programme from the following academic year, 2019-20. The details including the syllabus, number of Classes, allocation of marks and the proposed names of the proposed faculty have been submitted herewith for the kind perusal and approval of the Board.

Upon a thorough perusal of all the relevant documents pertaining to the programme and having discussed all issues regarding feasibility of commencing such a programme the board unanimously resolved that the School of Legal Studies shall apply and endeavor to secure the necessary approvals and recognitions to commence the **B.Com. LL.B. (Honours)** programme from next academic year, 2019-2020.

II

- b) The scheme of teaching and evaluation and syllabus for **LL.M. Constitutional Law** and **LL.M. Commercial Law** have been submitted for the perusal and approval of the Board.
- c) The scheme of teaching and evaluation and syllabus for the V semester and VI semester of the **B.A., LL.B. (Hons), B.B.A., LL.B. (Hons)** and the **LL.B** programmes have been submitted for the perusal and approval of the Board
- d) The regulations, scheme of teaching and evaluation and syllabus of the **PG Diploma in Air and Space Law** have been submitted herewith for the kind perusal and approval of the Board.
- e) The regulations, scheme of teaching and evaluation and syllabus of the **PG Diploma in Intellectual Property Rights** have been submitted herewith for the kind perusal and approval of the Board.

Upon a thorough perusal of all the relevant documents pertaining to the programme and having discussed all issues regarding their effectiveness of the regulations, syllabus and schemes of teaching and evaluation placed before it with respect to, the undergraduate programmes of **B.A., LL.B. (Hons), B.B.A., LL.B. (Hons)** and

School of Legal Studies

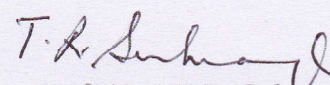
LL.B, the post graduate programmes of **LL.M. Constitutional Law** and **LL.M. Commercial Law**, and the diploma programmes of **PG Diploma in Air and Space Law** and **PG Diploma in Intellectual Property Rights**, the Board unanimously approved the regulations, syllabus and schemes of teaching and evaluation and all the other documents regarding the aforementioned programmes placed before them.

III

The Board of Studies further discussed issues regarding the Library and observed that the recent procurements of several prestigious volumes on "Constitutional Law", "Air and Space Law" and several other subjects along with the vast numbers of text and reference books has increased the credibility of the School of Legal Studies library. Furthermore, the upgradation of software with respect to introduction of e-library facility and the subscription to the online knowledge resources like HeinOnline, SCC Online and other resources are of a great benefit to the students and the faculty in their academic and research initiatives. In light of the same, the Board resolves that the school shall endeavor to keep upgrading the library and ensure that it goes on to be one of the best law libraries in the country.

IV

The Board further noted the fact that the role of the teacher is undergoing a sea change due to the introduction of new systems like the CBCS system and the everyday activity of a teacher is not confined to teaching only. The Board was of the opinion that this needs to be kept in mind while allocating workloads. Furthermore, the members of the Board acknowledged the fact that evaluation is one of the most important components of the academic process and recommend that the faculty should be reasonably compensated for the examination work in order to ensure commitment and responsible execution of the same.


Prof. (Dr.) T.R. Subramanya
Chairman, Board of Studies &
Dean, School of Legal Studies
CMR University

Prof. Dr. T.R. Subramanya
Dean
School of Legal Studies
CMR UNIVERSITY



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CMR University, 2nd Block, Kalyan Nagar,
HIRBR Layout, 2nd Block, Kalyan Nagar,
BANGALORE - 560 043, Karnataka, INDIA.
T: +91-80-2542 6977 / 88, E: info@cmr.edu.in
www.cmr.edu.in

3rd Bos

BOARD OF STUDIES (As per Section 22 of CMR University Act)

meeting

SCHOOL OF ENGINEERING & TECHNOLOGY

Sl. No.	Position	Name	Nominating Authority
1	Chairperson	Pro Vice Chancellor, CMRU (Vacant)	Vice Chancellor
2	Member	Prof. Shiv K. Tripathi, - Dean i/c - School of Engg. & Technology, CMRU Mob: 7338299284 Email: shiv.tripathi@cmr.edu.in	Dean of the concerned School (Chairman, in the absence of Pro-Vice Chancellor)
3	Member	Dr. Subramanya Reddy, Assistant Professor, Dept of ECE, SOET, CMRU Mob: 9743233939 Email : subramanya.r@cmr.edu.in	One Senior faculty of each specialization nominated by the Vice Chancellor
4	Member	Prof. Arun Kumar H. Assistant Professor, Dept. of ME SOET, CMRU Mob: 9400364747 Email : arun.k@cmr.edu.in	
5	Member	Prof. Geetha N. Assistant Professor, Dept. of CSE, SOET, CMRU Mob: 9739661669 Email : geetha.n@cmr.edu.in	
6	Member	Dr. C. Amarnath Professor Emeritus, Department of Mechanical Engg, IIT Bombay, Powai, Mumbai - 400 076 Mob: 9620071710, email : c.amarnath@gmail.com	Two experts in the subject from outside the University nominated by the Academic Council nominated by the Vice Chancellor
7	Member	Dr. Cauvery N.K. Professor & HOD - Information Science R.V. College of Engineering, Bangalore Mob: 9972308043 email : cauverynk@rvce.edu.in	
8	Member	Mr. Naveen Kamat Program Director, STG Lab Services, IBM India Private Limited Embassy Golf Links Business Park, Block D. Off Indiranagar, Koramangala, Bangalore- 71 Mob: 9845945024 Email: knaveen@in.ibm.com	One representative from industry / corporate sector/allied area practitioner
9	Member	Dr. K. Rajanikanth - 9845 470 426 Former Principal, MSRIT, Bangalore Mob: 9855266011 Email: rajani341949@yahoo.com	Vice Chancellor may co-opt members upto a maximum of three for a particular meeting for a special cause or expertise on the subject or for a particular agenda, nominated by the Vice Chancellor
10	Member	Dr. Datta Kumar Head, Program Design & Development, Excel Soft Technologies, 1-B, Hootagalli Industrial Area, Mysore - 570 018 Mob: 9880937105 Email: datta_kumar@yahoo.com	
11	Member	Dr. H. S. Prashanth Professor, Dept. of ECE, NITTE Meenakshi College of Engg., Bangalore Mob: 9902058362 Email: drhsprashanth@gmail.com	
12	Member Secretary	Dr. Harish Ramanna Professor - Dept. of Physics, School of Engineering & Technology, CMRU, Mob: 9448349733, email: harish.r@cmr.edu.in	The Director of the School shall be the Member Secretary of Board of Studies nominated by the Vice Chancellor

[Signature]
DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149

[Signature] 12/9/17
Registrar
CMR University



School of Engineering & Technology, CMR University, Bagalur Campus

Report on Activities Conducted During the Academic Year 2017-18

Odd Semester commenced on August 4, 2017. With the Hon'ble Vice Chancellor Prof. M. S. Shivakumar addressing the students.

SOET students participate in Hackathon at IIIT Hyderabad, September 23-24, 2017.

Second Board of Studies Meeting conducted on September 23, 2017

Rapido, an intercollegiate sports event was conducted during October 24-29, 2017 by the Sports Department. Thirty five colleges from all over the city participated in the event

Project exhibition was conducted during November 23-24, 2017 to exhibit project work carried out by students, in *Making with Electronics, Mechanical Workshop, Rapid Prototyping and Laser Cutting and Programming with Python.*

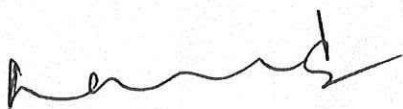
First Expert Committee Meeting held on November 16, 2013 to discuss and finalize syllabus for Engineering Sciences

Faculty Development Programs were conducted between June and December 2017 as follows:

1. *Bloom's Taxonomy* by Prof. M S Shivakumar, Hon'ble Vice Chancellor, CMR University on July 21, 2017.
2. Interactive session by Ms. P. Upasana, CMR University for the teaching staff of SOET on *CO-PO Mapping* on Nov. 4, 2017.
3. *Orientation to Young Faculty* by Dr. M VChaitanya Kumar, Dean, SOET on Nov. 30, 2017.

Invited talks were delivered by industry experts as follows:

1. *Underwater Acoustic Communications and SONAR Technology*, by Shri. Anish Nair, Deputy Manager, Development & Engineering Submarine Systems, Naval Systems, Bharat Electronics on February 15, 2018
2. *Unix and Shell Programming* by Shri. Sudarshan Sridhar, Tech Lead, Oracle India Pvt Ltd, on February 23, 2018
3. *Aerodynamics of Aircraft* by Shri. Shibin Das, ADA, Defence Research Development Organization on March 24, 2018




DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149





CMR UNIVERSITY
Private University Established in Karnataka State by Act No. 46 of 2013

**CMR University: # 2, 3rd C Cross, 6th
A Main,
HRBR Layout, 2nd Block, Kalyan
Nagar,
BANGALORE – 560 043. Karnataka.
INDIA.**

**Tel : (+91) - 80 - 2542 6977,
2542 7700**

Fax : (+91) - 80 - 2542 7840

E mail : info@cmr.edu.in

www.cmr.edu.in

Minutes of the 7TH Board of Studies Meeting
School of Economics & Commerce

Venue	CMR University City Campus Kalyan Nagar, Bangalore-560043	Date	Monday 8 th July, 2019
		Time	2:00 p.m.

Members Present for 7TH Board of Studies Meeting School of Economics & Commerce

SI NO.	MEMBERS	ROLE	NOMINATION AS PER STATUTE
1.	Dr. Chetan Bajaj, Sr. Professor & Dean, CMRU	Chairman	Dean of the concerned School
2.	Dr Raju R Goundkar (IT and General Management)	Member	One Senior faculty of each specialization
3.	Dr Abijit Chakraborty (Accounting and Finance)	Member	
4.	Dr Anouja Mohanty (Economics)	Member	
5.	Dr S Ramesh Professor and Dean, Mount Carmel College Bangalore	Member	Experts in the subject from outside the university nominated by the Academic Council
7.	Dr Sreeram Darbha Professor and Dean School of Management	Member	Special Invitee
9.	Dr. M. S. Annapoorna Professor	Member Secretary	Director (i/c) School of Economics and Commerce

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Agenda 01: Welcome and Introduction by the Chairperson.

- 1.1. Member Secretary Professor Dr Annapoorna welcomed the members and special invitees to the 7th Board of Studies meeting of the school of Economics and Commerce.
- 1.2. She introduced the context of the meeting and explained about the matters to be discussed in this BOS meeting.

Agenda 02: To confirm the Minutes of the 6th Board of Studies Meeting held at CMR University Campus on Thursday, 27th Dec 2018.

- 2.1 The minutes of the previous board of studies meetings held on Thursday, 27th Dec 2018 were placed before all members. After going through the same, the members unanimously approved the minutes.

Agenda 03: To report action taken on the Minutes of the 6th Board of Studies Meeting held at CMR University Campus on Thursday, 27th Dec 2018.

The members appreciated the actions taken by the School.

Agenda 04:

**4.1 Introduction of New Programs at PG level
International Business Economics**

1. The members mentioned that University should ensure that the Program title and the programme structure suit the nomenclature of the UGC.
2. There should be tie up with foreign university for both UG and PG courses. For at least one semester, students should study from the respective foreign university. For this University can enter into MOUs with Foreign Universities.
3. Allow all the stream of UG students (B.Com, BBA, B Tech, BA etc.) to enrol of this PG program.
4. Provide International Internships

4.2 SEE and IAT question paper pattern

Case based learning should be made compulsory in all the papers. Case study solving should be part of the evaluation pattern. Evaluation pattern of the IAT and CCE should be rigorous and relevant. Different evaluation patterns should be introduced for specific courses. For core papers a standardized pattern should be introduced, functional courses should have different pattern and in the



application oriented courses free hand should be given to the concerned subject teacher to set the evaluation pattern. School wise and course wise question pattern should be prepared. Question should more situational based and analytical. Case study should be mandatory for PG students and there should not be any choice for case study.

4.3 Amendment to Summer Semester

(Re-registration of courses and SEE to clear backlog courses)

The member discussed and debated on the eligibility criteria. Finally it was agreed that students who have CIE and Attendance according to the regulation can reregister for SEE and students who do not have both or any one of them will reregister for the course. The credit limit for the reregistration of the courses in a semester can be 28 credits for a non Hons and 30 credits for a Hons program. Pass attempt should be reflected in the certificate with star marks which will motivate students to clear examination with least attempt.

4.4 Kannada Language, credits to be increased from 2 credits to 4 credits.

It was accepted that to comply with statutory requirements if it is required, all students should learn Kannada language. The credits of Kannada language course in BBA, BBA (H) programmes may increase from 2 credits to 4 credits. There should be option for language course and Kannada language should not be mandatory. As many other states and foreign students find it difficult, which may demotivate them to enrol.

Agenda 05: Review and modification of Existing UG & PG Programs, if any

- a) To consider and approve Scheme of Teaching & Evaluation and Curriculum for the following programmes (CBCS Scheme for academic year 2019-2020)
 - i. B.Com.
 - ii. B.Com. (Hons.)
 - iii. B.Com.(Hons.) in IAF
 - iv. B.Com.(Hons.) in RMA
 - v. M.Com

All the course and the changes were approved by the BOS Members

Agenda 06: To consider and approve the list of Panel of Examiners for the year 2019-2020

The members approved the list of Panel of Examiners for the year 2019-20 but they said the eligibility for faculties to be part of the exam panel should be 5 years teaching experience for PG and 3 years teaching experience for UG.



North Bangalore University panel is also considered.

Agenda 07: Any other matters with the permission of the Chair.

7.1. There was no agenda items to be discussed.

7.2. The meeting was concluded with Vote of thanks to members for their contribution.



Dr Annapoorna
Professor
Director (i/c) School of
Economics and Commerce
Member Secretary
Board of Studies
School of Economics and
Commerce.



MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING SCHOOL OF MANAGEMENT

Date: 1st July 2019 @ 02.00 PM.

Time: 2.00 to 4.30 p.m.

Venue: Board Room, CMR University City Campus, Bangalore.

The Following members were present:

- | | |
|---|------------------|
| 1. Dr. Chetan Bajaj
Sr. Professor & Dean, CMRU | Chairman |
| 2. Dr Sri Ram Kothapalli
Professor, School of Management | Member |
| 3. Dr Subhasree Kar.
Associate Professor | Member |
| 4. Dr Roopa M.B.
Sr. Assistant Professor | Member |
| 5. Dr Manjunath
Associate Professor | Member |
| 6. Dr N.S. Viswanath
Director, M.P. Birla School of Management
Bangalore. | Member |
| 7. Mr Manish Gupta
Service Part Supply Manager
Asia Wipro GE Health care, Bangalore | Member |
| 8. Prof. Suja Benett
Principal, CMRIMS | Member |
| 9. Dr M.S. Annapoorna
Professor, School of Social Economics and Commerce
Director(i/c), School of Management. | Member Secretary |



Agenda 01: Welcome and Introduction by the Chairperson.

1.1. Member Secretary Professor Dr Annapoorna welcomed the members and special invitees to the 7th Board of Studies meeting of the school of Management.

1.2. She introduced the context of the meeting and explained about the matters to be discussed in this BOS meeting.

Agenda 02: To confirm the Minutes of the 6th Board of Studies Meeting held at CMR University Campus on 12 January 2019.

2.1 The minutes of the previous board of studies meetings held on 12 January 2019 were placed before all members. After going through the same, the members unanimously approved the minutes.

Agenda 03: To report action taken on the Minutes of the 6th Board of Studies Meeting held at CMR University Campus on 12 January 2019.

3.1. The action taken report on the minutes of the 6th board of studies meeting was reviewed by the members.

3.2. Members appreciated the efforts made by the team. Members also suggested the following measures in view of required improvements in the future.

3.2.1. To become a budding business school in this disruptive world Bench marking of the program is highly essential. Branding is required to be industry leader.

3.2.2. Alumni group should be leveraged. Frequently they should be invited to the campus to share their industry experience.

3.2.3. More interactive industry talks should be arranged. Frequent guest lecturers to be planned.

3.2.4 .Curriculum updates with inclusion of new technologies like RPA, Block Chain, AI etc are the need of the hour. Customised programs should be introduced that can help in brand building of the institution.

3.2.5 .Student needs to mentor to think big.

3.2.6. Student committees should be constituted and that committee should drive placement related activities among themselves with accountability.



3.2.7. Learning can be enhanced with practical exercises, hands on experiences on skills, through team learning, putting students into action. Learning by Fun with case study, field presentation should be introduced for better student engagement.

3.2.8. Introduction of strong core courses along with compulsory MOOC Courses are highly recommended. MOOC should be compulsory as eligibility criteria at UG level and with credit at PG level.

3.2.9. Academic linkage with other institutions. Collaboration of the students with voluntary organisations like Rotary club, Akhaya Patra etc.

3.2.10. More vibrant placement cell.

3.2.11. Paid internship for two to three months and pre-placement offers should be expected.

3.2.12. PG and UG should be distinguished .A separate set of Faculties, a different pedagogy and new approach is needed.

Agenda 04: Academic Events and other developments in School of Management for current the academic year was present.

4.1. The various activities, events organised by the school for the current academic session were present.

4.2 . All the members appreciated the team for successfully conducting and participating in the academic events.

Agenda 05: To Consider and approve

- a. SEE and IAT question paper pattern
- b. Alternative to Summer Semester
(Re-registration of courses and SEE to clear backlog courses.)
- c. Comply with statutory requirements to increase the credits of Kannada language course in BBA, BBA (H) programmes.

5.1. Evaluation pattern of the IAT and CCE should be rigorous and relevant. Different evaluation patterns should be introduced for specific courses. For core papers a standardized pattern should be introduced, functional courses should have different pattern and in the application oriented courses free hand should be given to the concerned subject teacher to set the evaluation pattern.



5.2. The member discussed and debated on the eligibility criteria. Finally it was agreed that students who have CIE and Attendance according to the regulation can reregister for SEE and students who do not have both or any one of them will reregister for the course. The credit limit for the reregistration of the courses in a semester can be 28 credits for a non Hons and 30 credits for a Hons program.

5.3. It was accepted that to comply with statutory requirements if it is required, all students should learn Kannada language. The credits of Kannada language course in BBA, BBA (H) programmes may increase from 2 credits to 4 credits.

Agenda 06: Review and modification of Existing UG & PG Programs, if any

To consider and approve Scheme of Teaching & Evaluation and Curriculum for the following programmes (academic year 2019-20)

1. BBA

2. BBA (H)

3. MBA

MBA (Executive) in Product Leadership

6.1. The Required changes in the program structure and curriculum was presented before the board. The board accepted and approved the necessary changes required in the curriculum.


Agenda 07: To consider and approve the list of Panel of Examiners for the year 2019-20.

7.1. Member Secretary briefed the current composition of panel of examiners. Suggestion to have 30 % external examiners was appreciated.

Agenda 08: Any other matters with the permission of the Chair.

8.1. There was no agenda items to be discussed.

8.2. The meeting was concluded with Vote of thanks to members for their contribution.



Dr Annapoorna
Professor
Director (i/c) School of
Management
Member Secretary
Board of Studies
School of Management

Minutes of the Eighth Board of Studies Meeting
Held by School of Economics and Commerce on Wednesday, 20th, November 2019
At 2.00 p.m. in the Board Room, CMR University City Campus, Bangalore

Members present:

- | | |
|--------------------------|--------------------|
| 1. Dr. P.V.Siva Pullaiah | - Chairman |
| 2. Dr. Chetan Bajaj, | - Member |
| 3. Dr S Ramesh | - Member |
| 4. Shri K Raghu, | - Member |
| 5. Dr Anouja Mohanty | - Member |
| 6. Dr. M. S. Annapoorna | - Member Secretary |

Members on Leave:

1. Dr Raju R Goundkar
2. Dr Abijit Chakraborty
3. Prof. Suja Bennet

BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Notes: The Chair Person of the BOS Dr P.V Siva Pullaiah, welcomed all the members to the SOEC BOS and also introduced himself. The external members also introduced themselves to the Chairman.

Resolution: Nil

BOS 02: CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Notes: The minutes of the 7th BOS held on Monday, 8th July 2019 were placed before all members.

Resolution: The members unanimously confirmed the minutes.

BOS 03: TO REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE PREVIOUS MEETING HELD ON MONDAY, 8TH JULY 2019.

Notes: The Action taken report action on the Minutes of the Monday, 8th July 2019 Board of Studies Meeting held at CMR University Campus was read to the Members

Resolution: The members appreciated and confirmed the actions taken by the School of Studies.

BOS 04: Introduction of New Programs at PG Level

- M.Sc. in International Business Economics,
- CIMA,
- CMA

Notes: The Board Members expressed the following concerns regarding the M.Sc in International Business Economics.



- Students' attraction strategy for a fees of 12 to 15 lakh for a two year Program.
- How to attract students from International markets,
- Feasibility to attract International Faculty of high stature,
- Possibility to provide International Placements,
- International Collaborations, as required, be done with reputed institutions?

The BOS favoured launching of CMA and also CIMA courses with following suggestions:

- Greater involvement of knowledge partners in admissions and delivery process.
- Gradually introduced Pedagogy and evaluation pattern in University courses aligned to CIMA/CMA/ACCA, this will help improve results in Professional exams and subsequently admissions.
- CIMA, CMA have industry driven syllabus and Pedagogy as specified by Professional bodies and good placement on completion. We only need to focus on Admissions and results.
- Students should be selected to these courses on Entrance Admission Test basis.
- Employability analysis has to be done for these programs

Resolution: International Business Economics has to be a Flagship program hence it should be implemented keeping in view the above discussed points. The Introduction of CMA or CIMA program can be introduced.

BOS 05: Review and modification of Existing UG & PG Programs, if any

Notes: The 2017 B.Com (Hons) Program we were short of 4 credits compared to the B.Com non Hons program. One paper had to be introduced for B.Com (Hons) students of 2017 batch was Security Analysis and Portfolio Management (BComH5).

Resolution: The board approved the course structure for 6th Semester 2017 batch for B.Com (Hons).

BOS 06: To consider and approve the Panel of Examiners for the year 2019-2020

Notes: The panel of Examiners was presented to the Board, the board confirmed the Panel of Examiners for the year 2019-20

Resolution: Panel of Examiners were confirmed for the year 2019-20

BOS 07: ANY OTHER SUBJECT WITH THE PERMISSION OF THE CHAIR

Notes: With the permission of the chair, it was suggested to conduct a survey of our Competitor University, regarding courses offered, placement and fees structure. This was suggested to understand the Education sector requirements

It was also suggested in future to make the entire B.Com program, 50 % Skill based, and conduct skill oriented workshops for students and Faculties. Introduction of new programs like B.Com in Analytics, B.Com in Stock Market, to enhance the place ability of the students.

Resolution: New Innovative Program can be taken up after conducting feasibility study. Syllabus can be framed for 2020 batch with 50% skill based and Industry Specific to enhance the placements.


MEMBER SECRETARY

**Minutes of the Seventh Board of Studies Meeting
School of Social Science and Humanities**

Date and Time: 26th June, 2019 at 11:00 am

Venue: Board-Room, CMR University City Campus, Bangalore

The following were present:

- | | |
|--|------------------|
| 1. Dr.Chetan Bajaj
Dean, CMRU | Chairman |
| 2. Dr. G.K. Karanth
ICSSR National Fellow, Bangalore. | Member |
| 3. Dr. Gopal Raghav
CEO, Organizational Development Consulting, Bangalore | Member |
| 4. Dr. Smitha Philip
School of Social Science and Humanities, CMRU | Member |
| 5. Dr. Madhuri Suresh
School of Social Science and Humanities, CMRU | Member |
| 6. Prof. Farooq Ahmad Sharieff
School of Social Science and Humanities, CMRU | Member |
| 7. Dr. Arunima Dube Upadhyay
School of Social Science and Humanities, CMRU | Member |
| 8. Dr. M.S. Annapoorna
Professor & Director(i/c), School of Social Science and Humanities | Member Secretary |

MINUTES

Agenda 1.0: Welcome and Introduction by Member Secretary, Dr. Annapoorna M.S.,

1.1. Member Secretary welcomed the members to the 7th Board of Studies meeting of School Social Science and Humanities, CMR University.

1.1 Member Secretary also introduced the context of the meeting and explained about the new approach to organize two BOS meetings in a year. Members welcomed and appreciated this move initiated by the Schools for better academic accountability.



Agenda 2.0: Confirmation of the Minutes

2.1 The 6th Board of Studies Minutes of the previous Board of Studies Meeting held on 18th December, 2018 were placed before the Board. Members unanimously approved the Minutes.

Agenda 3.0: Action taken on the Minutes

3.1 The Action taken report on the Minutes of the 6th Board of Studies meeting dated 18th December, 2018 was reviewed and discussed.

3.2 Members appreciated the implementation of academic changes, Members noted the progress on other agreed action-plan and appreciated the efforts made by the School.

Agenda 4.0: Items to Report: Events held in the Schools in the past academic year

4.1 Member Secretary, Dr. Annapoorna M.S., presented a report on various academic events and other developments in the School during the Academic Year (2018-2019).

4.2 Members appreciated the efforts for academic activities, co-curricular and extra-curricular activities in the School.

Agenda 5.0: Review and Approval of Existing Academic Programmes.

Members reviewed the curriculum and programme-structure (Scheme of Teaching and Evaluation) of existing UG and PG programmes in the School. Upon deliberations, members suggested specific improvements for each of the academic, which are summarized as under:

5.1: Increase the multidisciplinary Community Development programs and involvement of students.

5.2. The members approved to increase the total number of credits for the 2017 batch BA (Hons) program to 140 credits. The courses introduced was community project work (6 credits) in 5th Semester. In 6th semester one elective is offered in Sociology, Journalism and Economics for 4 credits. The Corporate Social Responsibility, Ethics and Sustainability- credits were increased from 2 to 4 and also project work and viva from 4 to 6 credits.

5.3 It was accepted that to comply with statutory requirements if it is required, all students should learn Kannada language. The credits of Kannada language course in BBA, BBA (H) programmes may increase from 2 credits to 4 credits.

5.4: For Journalism course

- i. To offer online exam for any one Journalism course in order to ease off students examination stress.
- ii. To include emerging trends in Radio/Conventional Journalism in the curriculum of Radio journalism of IIIrd semester



- iii. To rename the course from Documentary Making and Films to 'Making documentaries and films in the Vth Semester.
- iv. To include content writing in Online Journalism course as part of the syllabus of VI Semester
- v. To include Ethics and value in Television journalism course in VI Semester.

5.5: Master of Social Work (M.S.W.)

- i. A detailed list of the institutions where students are interning should be officially documented.
- ii. Midlife and its related issues to be included in Social Welfare course.
- iii. To retain Health Care Delivery
- iv. To rename the Social Audit course to 'Social Audit and Evaluation Studies'.

5.6: M.Sc. Psychology (Clinical)

- i. To rename the Basic counselling Skills course to 'Applying Counselling Skills'.
- ii. To rename Behaviour statistics course to Basic Statistics in Psychology
- iii. To rename the Commercial and Professional Skills course to 'Specialized Soft Skills' course.

5.7: Upon deliberations, members approved the Internship Format for the PG programs


5.8: The member discussed and debated on the eligibility criteria. Finally it was agreed that students who have CIE and Attendance according to the regulation can reregister for SEE and students who do not have both or any one of them will reregister for the course. The credit limit for the reregistration of the courses in a semester can be 28 credits for a non Hons and 30 credits for a Hons program.

Agenda 6.0: Any other matter with permission of the Chair.

6.1. It was agreed that the School should organize workshop for Research Methodology for students as well as for faculties. Dr. G.K. Karanth volunteered to facilitate the workshop.

6.2. The BOS members agreed to allow students with CIE and 75% attendance to take up SEE examination. Students who do not have both or any one of them will re-register for the course in the offered semester and clear.

6.3. Meeting ended with vote of thanks.



Dr. Annapoorna M.S.
Member Secretary
Board of Studies

School of Social Science and Humanities

Venue	CMR University SOLS Campus, #5, Bhuvanagiri OMBR Layout, Banaswadi, Bangalore 560043	Date & Day	Friday, 13 th December, 2019
		Time	11.30 a.m.

AGENDA

READ AND RECORD THE AGENDA

BOS 01 Chairperson Dr. T.R. Subramanya, Dean, School of Legal Studies, welcomed the members and read the Agenda and placed it on record.

CONFIRMATION OF THE PREVIOUS MEETING MINUTES

BOS 02 All members unanimously confirmed the Minutes of the Board of Studies Meeting held on Saturday, the 29th June, 2019

(ENCL BOS 01)

ACTION TAKEN ON THE PREVIOUS MEETING MINUTES

BOS 03 Report on action taken regarding Minutes of the Board of Studies Meeting held on Saturday, the 29th June, 2019 was placed before the board. **(ENCL BOS 02)**

ITEMS FOR CONSIDERATION

BOS 04 It is proposed that the student intake for both LL.M. (Constitutional Law) and LL.M. (Commercial Law) be increased from 20 to 30 per stream from the following academic year, 2020-21.

BOS 05 The board may kindly consider whether an additional language course in 'Kannada' be introduced as a mandatory non-credit course, in all undergraduate programmes as required by the Kannada Development Authority.

BOS 06 The result analysis of the examinations conducted in June 2019 has been placed before the board for consideration.

BOS 07 Any other subject with the permission of the Chair.

V. S. B. S. S.
MEMBER SECRETARY

4th Bos



**FOURTH BOARD OF STUDIES MEETING
SCHOOL OF ENGINEERING and TECHNOLOGY**

The Fourth Meeting of the Board of Studies, School of Engineering and Technology, CMR University, Bengaluru is convened at 10.00 am on Friday, 11th January 2019 in the Board Room, School of Engineering and Technology, CMR University, Chagalatti, Hennur-Bagalur Main Road, Bengaluru 562149.

The agenda of the meeting is given below. You are kindly requested to be present for the meeting.

AGENDA 01 REPORT on ACTIVITIES AY 2018-19

BS 1 Brief report presentation on the academic activities at SOET during the academic year 2018-19.

AGENDA 02 CONFIRMATION of MINUTES

BS 2 To confirm the Minutes of the Third Board of Studies meeting held at CMR University Main Campus on 07th April 2018.

AGENDA 03 ACTION TAKEN REPORT

BS 3 To confirm the action taken report of the Third Board of Studies meeting held at CMR University Main Campus on 07th April 2018.

AGENDA 04

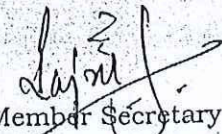
APPROVE SCHEME OF TEACHING AND EVALUATION AND CURRICULUM FOR THE 2016 BATCH, 2017 BATCH AND 2018 BATCH (EVEN SEMESTER)

AGENDA 05 MODIFICATION OF SYLLABUS IF ANY

BS5 To authorize Dean, SOET to recommend to Vice Chancellor to introduce or modify the course content, scheme of teaching and evaluation, and curriculum of B. Tech programs as and when required.

AGENDA 06 ANY OTHER POINTS WITH THE PERMISSION OF CHAIR

Venue	Board Room, CMR University, Hennur Bagalur Main Road, Chagalatti, Bengaluru 562149	Date	11 th January 2019
		Time	10.00 am


Member Secretary

Enclosures:

1. Minutes of the Third Board of Studies Meeting
2. Action Taken Report on the Board of Studies Meeting
3. Scheme of Teaching and Evaluation and Syllabus 2016-20 batch 2017-21 batch and 2018-19 batch.(Even semester)


SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149





CMR UNIVERSITY
Private University Established in Karnataka State by Act No. 41 of 2003



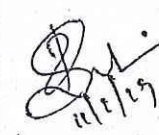
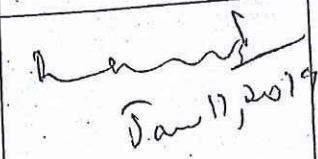

ATTENDANCE


BOARD OF STUDY MEETING
CMR UNIVERSITY
SCHOOL OF ENGINEERING AND TECHNOLOGY
Venue: Board Room, SOET, CMRU
Date: 11-01-2019 Time: 10:00 a.m.

Sl. No	Position	Name and Designation and address	Signature
01	Chairperson	Dr. Nagaraj M. K. Senior Professor and Dean School of Engineering and Technology CMR University, Bengaluru Email: rajumkn@yahoo.com / Dean.soet@cmr.edu.in	
02	Member	Dr. K. Rajanikanth Former Principal, MSRIT, Bangalore Mob: 9845470426 Email: raiani341949@yahoo.com	11/1/2019
03	Member	Dr. N Chandra, Senior Scientist, NAL, Bangalore Ph: 9900630828; email: nchandr@nal.es.in	
04	Member	Dr. M. H. Kori Retd. Technical Director Alcatel-Lucent Technology Bengaluru Ph: 93425-93876; Email: mhkori@gmail.com	
05	Member	Dr. Rohini Nagapadma Professor Department of Electronics and Communication National Institute of Engineering, Mysore	11/01/2019
06	Member	Dr. B. K. Sridhar Professor Department of Mechanical Engineering National Institute of Engineering, Mysore	11-01-19
07	Member	Dr. H. S. Prashanth Professor Department of Electronics and Communication NITTE Meenakshi College of Engineering. Mob: 9902058362, Email: drhsprashanth@gmail.com	11/01/2019
08	Member	Dr. C. Amarnath Professor Emeritus, Department of Mechanical Engg, Indian Institute of Technology Bombay, Powai, Mumbai - 400 076 Mob: 9620071710, email: c.amarnath@gmail.com	
09	Member	Dr. Smitha Rao Professor, Department of Computer Science and Engineering School of Engineering and Technology CMR University Mob: 9620362819 Email: smitha.r@cmr.edu.in	11/01/2019

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10	Member	Prof. Gincy Varghese C Assistant Professor, Department of Electronics and Communication Engineering School of Engineering and Technology Mob: 9605370181 Email: gincy.v@cmr.edu.in	
11	Member	Prof. Bharath G Assistant Professor Department of Mechanical Engineering School of Engineering and Technology CMR University Mob: 9738645365 Email: bharath.g@cmr.edu.in	 11/01/19
12	Member	Dr. Rubini P Associate Professor, Professor, Department of Computer Science and Engineering School of Engineering and Technology CMR University Mob: 9600219977 E-Mail: rubini.p@cmr.edu.in	 11/1/19
13	Special Invitee	Dr. Harish R Professor Department of Physics School of Engineering and Technology CMR University Mob: 9448349733 Email: harish.r@cmr.edu.in	 Jan 11, 2019
14	Member Secretary	Dr. Rajashekar Patil Professor Department of Mechanical Engineering School of Engineering and Technology CMR University Mob: 9448341489 Email: Rajashekar.p@cmr.edu.in	


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**FORTH BOARD OF STUDIES MEETING
SCHOOL OF ENGINEERING and TECHNOLOGY**

The Forth Meeting of the Board of Studies, School of Engineering and Technology, CMR University, Bengaluru is convened at 10.00 am on Friday, 11th January 2019 in the Board Room, School of Engineering and Technology, CMR University, Chagalatti, Hennur-Bagalur Main Road, Bengaluru 562149.

The agenda of the meeting are given below.

AGENDA 01 REPORT on ACTIVITIES AY 2018-19

BS 2 Brief report presentation on the academic activities at SOET during the academic year 2018-19.

AGENDA 02 CONFIRMATION of MINUTES

BS 3 To confirm the Minutes of the Third Board of Studies meeting held at CMR University Main Campus on 07th April 2018.

AGENDA 03 ACTION TAKEN REPORT

BS 4 To confirm the action taken report of the third Board of Studies meeting held at CMR University Main Campus on 07th April 2018.

AGENDA 04


APPROVE SCHEME OF TEACHING AND EVALUATION AND CURRICULUM FOR THE 2016 BATCH, 2017 BATCH AND 2018 BATCH (EVEN SEMESTER)

AGENDA 05 MODIFICATION OF SYLLABUS IF ANY

BS5 To authorize Dean, SOET to recommend to Vice Chancellor to introduce or modify the course content, scheme of teaching and evaluation, and curriculum of B. Tech programs as and when required.

AGENDA 06 ANY OTHER POINTS WITH THE PERMISSION OF CHAIR

Venue	Board Room, CMR University, Hennur Bagalur Main Road, Chagalatti, Bengaluru 562149	Date	11th January 2019
		Time	10.00 am


Member Secretary

Enclosures:

1. Minutes of the Third Board of Studies Meeting
2. Action Taken Report on the Board of Studies Meeting
3. Scheme of Teaching and Evaluation and Syllabus 2016-20 batch 2017-21 batch and 2018-19 batch.(Even semester)


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4th BOS



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School of Engineering and Technology**4th Board of Studies Minutes of Meeting**

Minutes of Fourth Board of Studies Meeting held on 11th January 2019 in the Board Room, at SOET Campus; CMR University, Chagalatti, Hennur-Bagalur Main Road, Bengaluru 562149

The following members were present

Dr. M K Nagraj, Dean SOET, CMR University, Bengaluru
Dr. C. Amarnath, Professor Emeritus, Department of Mechanical Engineering, IIT Bombay, Powai, Mumbai.
Dr. M. H. Kori, Former Technical Director, Alcatel-Lucent Technologies, Chairman IMAPS India, Member, IETE Governing Council (former) & Chairman, IETE, Bengaluru Centre Dr. K. Rajanikanth, Former Principal, MSRIT, Bengaluru
Dr. N. Chandra, Senior Scientist, NAL, Bengaluru
Dr. B. K. Sridhar, Professor, Mechanical Engineering Department, NIE, Mysuru
Dr. Rohini Nagapadma, Professor and Head, ECE, NIE, Mysuru
Dr. H. S. Prashanth, Professor, Department of ECE, NITTE Meenakshi College of Engineering, Bengaluru
Dr. Gincy Varghese, Assistant Professor, ECE, SOET, CMR University, Bengaluru
Prof. Bharath G, Assistant Professor, ME, SOET, CMR University, Bengaluru Dr. Smitha Rao, Professor, CSE, SOET, CMR University, Bengaluru
Dr. R. Harish, Professor, Physics, SOET, CMR University, Bengaluru
Dr. Rajashekar Patil, Professor, ME, SOET, CMR University, Bengaluru and Member Secretary, BoS

The member not present

Mr. Naveen Kamat, IBM technologies, Bangalore

The member co-opted

Dr. Rubini.P, Associate Professor, Dept of CSE, SOET, CMR University, Bengaluru in place of Prof. M. Pallavi, Assistant Professor, Dept of IT, SOET, CMR University, Bengaluru

Honorable Vice Chancellor of CMR University, briefed about Management, various schools, faculty, students and operational system of CMR University to the BoS committee. Also, Honorable Vice Chancellor gave open invitation to the BoS members to visit SOET during their free time, during semester and advise/suggest to improve the academic program

The Dean, SOET, CMR University welcomed all the BoS members for the 4th BoS meeting and chaired the Meeting.

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4th BoS, Minutes of Meeting held on 11th Jan 2019 @ SOET, CMR University, B'lore 1 | Page



The Member Secretary, SOET, CMR University formally welcomed BoS members and started the meeting agenda by agenda.

Agenda 01 REPORT on ACTIVITIES

A brief report on academic activities like Induction program, workshops, conferences, FDPs, research papers, club activities, awareness camps, IMTEX 2019 etc., during AY 2018-19 (Odd Semester) was presented by Member Secretary BoS.

Agenda 02 CONFIRMATION of THIRD BOS MINUTES

Minutes of the Third Board of Studies Meeting was presented by Member Secretary BoS, SOET and was ratified by BoS.

Agenda 03 Action Taken Report on Third Board of Studies Meeting held on 7th April 2018

The Action Taken Report based on the Third Board of Studies Meeting was presented by Member Secretary BoS, SOET and was approved by BoS.

Agenda 04 Approve scheme of teaching and evaluation and curriculum for the 2016 batch, 2017 batch and 2018 batch (even semester)

Department of CSE and IT

- Avoid the word 'define' in course outcome

One time exception to include programming in C in 2nd Semester (wherein both C and Python are taught together). Suggested to move programming in C to chemistry Cycle and Python in Physics Cycle

Tone down or eliminate PHP in Web Designing course (both theory and practical) and in expand on HTML5. PHP could be included in detail in LAMP/Web Application Development course in the higher semester

Tone down elective syllabus for NoSQL and Artificial Intelligence and provide hands on in the classroom.

In course software Project Management, include Agile Programming also include appropriate text book and reference books like from Microsoft press

Suggested to provide at least two design approaches to mini project prior to implementation and suitable justification on their choice of implementation. Also suggested to make it mandatory for Project-Design in 7th semester.


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Department of ECE

- Suggested that the course code could distinguish the year as the syllabus is getting modification in each year.
 - Core electives should be arranged domain wise such that the students have a choice to select the electives depending on what they have done in the previous elective course. Faculty advisers should give proper guidance for elective selection and a proper introduction should be given to students regarding elective courses before the selection.
 - Open elective courses should be generic such that it can be offered without any prerequisite. Meanwhile there should be an option for the department students to study the same open elective as a core course where the syllabus should be more detailed and in a higher level. In the 6th semester core course Information theory and Coding some more topics can be included.
 - It is suggested that assessment techniques should be improved especially in SEE exam of Practical component.
 - Suggested that students can be exposed to some of the open source software like Scilab..
- Suggestion to improve CO with suitable action words
- Analog and Digital Communication should be offered as separate courses. If there is issue in adjusting credit some topic of Digital Communication can be taught in Information theory and Coding.
 - Course title Embedded systems (ARMS) should be edited as Embedded systems. · There was a proposal from the department side that CMOS VLSI which is a 3-0-1 course can be split and the lab can be offered in 7th semester. BOS members replied that it is not possible as per regulation.
 - 8th semester core course Image and Video processing can be offered as Image Processing in 7th semester and Multimedia networks, which will cover video processing can be offered as an elective in 8th semester.
 - Instead of two electives in 7th semester, shift one elective to 8th semester and bring back core course of 8th semester to 7th semester
 - If an advanced communication Lab can be setup with Computer Communication Networks in the 7th or 8th semester, the students will be more benefited with communication knowledge · Miniproject II can be based on Embedded Systems. Whereas Miniproject I based on AEC, LIC, Microprocessors and Controllers.
 - 8th Semester core Wireless ADHOC networks can be an elective and the current Elective Wireless communication in 7th semester can be a core.
 - 7th Semester Elective Cryptography should be changed as Cryptography and Network Security. · Course Internet of Things can be included in the curriculum which is prominent nowadays. · Electives Advanced digital signal Processing and Wavelets are not required together only anyone course is sufficient.

[Signature]
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Department of ME

- Maximum of 2 text books and 2 reference books in every course
- To start COs with level 2 of Revised Blooms Taxonomy
- Include a text book on FEA by Professor Sheshu

4th BoS, Minutes of Meeting held on 11th Jan 2019 @ SOET, CMR University, B'lore 3 | Page



- Reduce substantially content of operation research course
- Try to maintain the same books for DME-I and DME-II and remove the content of MOM which was taught in 3rd semester
- Include a text book on Robotics by Koren
- Review the COs of 4BME623-Nuclear Energy Conversion

Agenda 05 MODIFICATION OF SYLLABUS if any

- Modification of Engineering Physics for ECE was permitted
- Modification of Professional Communication –II was permitted
- Modification of Engineering Mathematics –II and Engineering Mathematic – IV was permitted with suggestions
- Modification of Design Thinking course was permitted

Agenda 06 Any other points with the permission of chair

- Offer open electives from basic science department (Physics, Chemistry and Mathematics) and also offer subjects like research methodology without prerequisites
- If possible include practical for Electives
- Publish in SAE journal which has good Impact factor and citation for quality research · Mini project can have CIE of 50 marks with a flexibility of split up of marks as per Phase-1, Phase-2, Phase-3, Phase-4 with 12, 12, 12 and 14 marks respectively or any other split as per department. However, SEE for Mini project be common for all department like demonstration/completion of project 30 marks, report writing 10 marks and final viva voce 10 marks
- Discussed in detail regarding the start up of the following courses.
 - [i] B. Tech (Hons), [ii] B.Tech (Dual degree with Major and Minor) and [iii] M.Tech, CSE in Cloud Technology & Information Security and M.Tech, CSE in Data Science/Artificial Intelligence in association with I-nurture. It was resolved that in principle the above courses can be operated. However the details of credit requirements, eligibility criteria and modes of operandi can be structured as per the academic council recommendation and the same be communicated to BoS mebers.
- BoS also resolved that in future agenda notice shall be send atleast 15 days in advance to all BoS members.

Dean (SOET) as chairman of BoS requested all the external members to visit SOET campus and to interact with faculty and students.

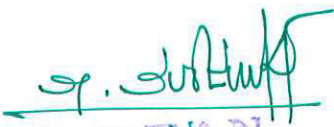
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Finally, Member Secretary BoS, thanked all the BoS members for their presence, involvement and contributions.


Member Secretary

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School of Engineering and Technology

5th Board of Studies Minutes of Meeting

Minutes of Fifth Board of Studies Meeting held on 12th June 2019 in the Board Room, at SOET Campus; CMR University, Chagalatti, Hennur-Bagalur Main Road, Bengaluru 562149

The following members were present

Dr. M K Nagraj, Dean SOET, CMR University, Bengaluru
Dr. C. Amarnath, Professor Emeritus, Department of Mechanical Engineering, IIT Bombay, Powai, Mumbai.
Dr. K. Rajanikanth, Former Principal, MSRIT, Bengaluru
Dr. N. Chandra, Senior Scientist, NAL, Bengaluru
Dr. B. K. Sridhar, Professor, Mechanical Engineering Department, NIE, Mysuru
Dr. H. S. Prashanth, Professor, Department of ECE, NITTE Meenakshi College of Engineering, Bengaluru
Prof. Shashidhar, Assistant Professor, ECE, SOET, CMR University, Bengaluru
Dr. Rubini.P, Associate Professor, Dept of CSE, SOET, CMR University
Prof. Bharath G, Assistant Professor, ME, SOET, CMR University, Bengaluru
Dr. Smitha Rao, Professor, CSE, SOET, CMR University, Bengaluru
Dr. R. Harish, Professor, Physics, SOET, CMR University, Bengaluru
Dr. Rajashekar Patil, Professor, ME, SOET, CMR University, Bengaluru and Member Secretary, BoS

The members not present

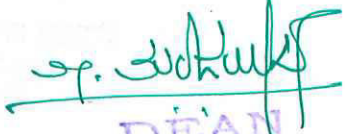
Mr. Naveen Kamat, IBM technologies, Bangalore
Dr. M. H. Kori, Former Technical Director
Dr. Rohini Nagapadma, Professor and Head, ECE, NIE, Mysuru

The member co-opted

Prof. Shashidhar, Assistant Professor, ECE, SOET, CMR University, Bengaluru in place of Prof. Gincy Varghese, Assistant Professor, ECE, SOET, CMR University, Bengaluru

Honorable Vice Chancellor of CMR University, briefed about various schools, faculty, semester, courses and operational system of CMR University to the BoS committee. Also request to advise/suggest to improve the academic program.

The Dean, SOET, CMR University welcomed all the BoS members for the 5th BoS meeting and chaired the Meeting.


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11/7/19





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The Member Secretary, SOET, CMR University formally welcomed BoS members and started the meeting agenda by agenda.

Agenda 01 REPORT on ACTIVITIES

A brief report on academic activities like Conferences, FDPs, research papers, club activities, awareness camps, IMTEX 2019, awards etc., and Inauguration of new CMR University Campus, on **Sunday, February 10, 2019** by His Excellency **Shri M. Venkaiah Naidu**, Hon'ble Vice President of India during AY 2018-19 (Even Semester) was presented by Member Secretary BoS.

Agenda 02 CONFIRMATION of FOURTH BOS MINUTES

Minutes of the Fourth Board of Studies Meeting was presented by Member Secretary BoS, SOET and was ratified by BoS.

Agenda 03 Action Taken Report on fourth Board of Studies Meeting held on 11th January 2019

The Action Taken Report based on the Fourth Board of Studies Meeting was presented respective professors of department and concluded by Member Secretary BoS, SOET and was approved by BoS.

Agenda 04 Approve scheme of teaching and evaluation and curriculum for the 2016 batch, 2017 batch, 2018 batch and 2019 batch (odd and even semester)

Department of CSE and IT

- Requested to introduce web design for I/II semester. It was suggested to learn one programming language perfectly. Hence, I/II semester programming with python (4BCS105/205) was replaced with Problem Solving with Programming (4BCS105/205)
- 5th semester elective Computer Graphics modified and replaced with Data Visualization course.
- 6th Semester IT Service Oriented architecture (SOA) course is modified to Micro Services.
- 7th Semester elective Operation Technique modified in par with Machine Learning Syllabus.
- 8th Semester CSE & IT Distributed Computing Course is suggested to be an elective course and added Deep Learning course as core course.
- 7th and 8th Semester syllabus of CSE and IT was approved.





Department of ECE

- Suggested to add optoelectronics course in 8th Semester electives
- 7th Semester and 8th Semester syllabus was approved

Department of ME

- Approved minor changes in syllabus of CAED & RP course and Workshop Practice Lab
- Suggested to modify the content of Mechanical Vibrations of 7th Semester
- 7th Semester and 8th Semester syllabus was approved

Department of Civil Engineering

- The scheme of teaching and evaluation and curriculum of B.Tech Program in Civil Engineering for the 2019 batch was approved.

Agenda 05 Permission to start B.Tech Program in IT (Cloud Technology and Information Security) and approve scheme of teaching and evaluation and curriculum for the 2019 Batch

- The scheme of teaching and evaluation and curriculum of B.Tech Program in IT (Cloud Technology and Information Security) for the 2019 batch was approved.

Agenda 06 Approval of M.Tech regulations

- Suggested to add entry and exit with credit transfer or follow AICTE regulations
- Industry Guide can be invited (optional) for Project Viva-Voce
- Final dissertation (thesis) to be submitted only after completion of all course work.

Agenda 07 Permission to start M.Tech Programs in CSE (i) Data Science and (ii) Artificial Intelligence approve scheme of teaching and evaluation and curriculum for the 2019 batch

- The scheme of teaching and evaluation and curriculum of M.Tech CSE (i) Data Science and (ii) Artificial Intelligence for the 2019 batch was approved.

Agenda 08 Permission and approve scheme of teaching and evaluation and curriculum for the B.Tech (Hons) and B.Tech (Minor) program for 2018 batch onwards

- Seven courses from each branch of engineering (CSE, IT, Mech and ECE) were approved for B.Tech (Hons) from 2018 batch

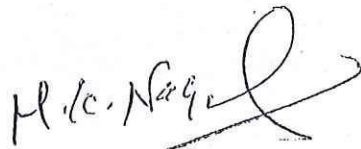
Agenda 09 Modification of syllabus if any

- Suggested to modify the syllabus of Engineering Physics and induction of new interdisciplinary electives
- Approved Introduction of new inter disciplinary electives offered by department of Physics and Chemistry


Agenda 10 Any other points with the permission of chair

- The credits for 2016, 2017, 2018 and 2019 batch are 178, 178, 170 and 170 respectively were approved.
- Suggested to incorporate evaluation method for internship and project.
- Suggested Start M.Tech in Design and Simulation from 2020 – 2021 academic year in Mechanical Engineering Department.
- Post Graduate Diploma in Digital IC Verification Engineering was approved and suggested few modification in curriculum of 1st Semester. However 2nd Semester syllabus was approved.

Finally, Member Secretary BoS, thanked all the BoS members for their presence, involvement and contributions.



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Member Secretary
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6th BOS

Minutes of the Sixth Board of Studies Meeting
Held by School of Engineering and Technology day, 23rd December 2019
At 10:00 a.m. in the Board room, CMR University Main Campus, Bangalore

Members present:

1. Dr. P. V. Sivapullalah,
Pro Vice Chancellor, CMRU -Chairman
2. Dr. M. Jayaprasad,
Dean, SOET, CMRU Bengaluru -Member
3. Dr. Rajashekar M Patil,
Professor, Dept. of Information Technology, SOET CMRU -Member
4. Dr. Arun Biradhar,
Professor, Dept. of Computer Science & Engg, SOET CMRU -Member
5. Dr. M. Murali Shankar,
Professor, Dept of ECE SOET CMRU -Member
6. Dr. Sateesha T. Y. -Member
7. Associate Professor, Dept of ECE SOET, CMRU
8. Prof. Arun Kumar,
Assistant Professor, Dept of Mechanical Engg, CMRU -Member
9. Dr. M H Kori,
Former Technical Director, Alcatel-Lucent Technologies -Member
10. Dr. K Rajanikanth,
Former Principal, MSRIT Bengaluru -Member
11. Dr. Rajashekar Patil,
Professor, Dept. of Mechanical Engineering -Member Secretary

Members not present:

1. Dr. C Amarnath, -Member
Professor Emeritus, IIT Bombay, Mumbai
2. Dr Rohini Nagapadma, -Member
Professor and Head, ECE NIE Mysuru
3. Mr. Naveen Kamat, -Member
IBM Technologies, Bangalore
4. Dr. N Chandra, -Member
Senior Scientist, NAL Bengaluru

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06/01/2020



WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Pro Vice Chancellor of CMR University, welcomed all the BoS members for the 6th BoS Meeting and Chaired the Meeting.

Member Secretary extended a warm welcome to the members and special invitees to the 6th Board of Studies meeting of the school of Engineering and Technology and started the meeting agenda by agenda.

BOS 01: REPORT on ACTIVITIES

Notes:

A brief report on academic activities starting from Induction programme for First year B.Tech students, project exhibition, FDPs, research papers, club activities, IMTEX 2020, awards etc., during AY 2019-20 (Odd Semester) was presented by Member Secretary BoS.

Resolution: All members appreciated.

BOS 02: CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Note:

Minutes of the Fifth Board of Studies Meeting was presented by Member Secretary BoS, SOET

Resolution: All member confirmed the minutes of BOS meeting.

BOS 03: TO REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE PREVIOUS MEETING HELD ON 12th JUNE 2019.

Notes:

The Action Taken Report based on the Fifth Board of Studies Meeting was presented by respective HOD and concluded by Member Secretary BoS, SOET

Resolution: Approved by BoS.

BOS 04: Approve scheme of teaching and evaluation and curriculum for the 2016 batch, 2017 batch, 2018 batch and 2019 batch (even semester)

Resolution:

Department of CSE and IT

1.2018 Batch: For current fourth semester:

- 4BCS401: Engineering mathematics – Module 4 is replaced with topics from statistics.
- 4BCS403: Software Engineering: Changes in module 5 as for sixth semester.
- 4BCS483: Software Engineering (open elective): Change the title of the course to Introduction to software engineering.

2.2017 Batch: For current sixth semester:

- 4BCS605: Software engineering: Module 5 is to be changed slightly.
- Add Agile software development: and delete Z Notation, Hoare's notation, petrinet's, aspect oriented programming.

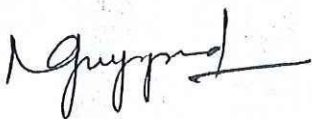
3.2016 Batch: For current 8th semester:

- A new elective AI will be offered
- Lab for 4BCS803 Deep Learning needs to be finalized. (Theory to be modified slightly and Lab part (programming methodology) is to be designed).

Department of ECE

1.2018 Batch: For current fourth semester:

- 4BEC402: Linear Integrated Circuits, have to change the module-1 chapter name as integrated circuit fundamental instead of Integrated circuit fabrication.




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- 4BCS403: Microprocessors and Microcontrollers: to introduce MPS, ARM and other latest processors.
 - 4BCS404: Instrumentation and Sensors: to introduce IOT concepts.
- 2.2017 Batch : For current sixth semester:
- 4BEC602: Transmission Lines and Antennas: :to change the module-2 chapter name as micro strip and components instead of waveguides and components. Also introduce planner antenna under types of antenna in module-5.
 - 4BEC605 : Information Theory and Coding Design : to introduce basic probabilities chapter as first module.
- 3.2016 Batch: For current 8th semester:
- 4BEC802: Image and Video Processing: Introduce latest video processing in module-5
 - 4BEC804: RF and Optical Communication: Title to change as Optical Communication instead of RF and OC.

Department of Mechanical Engineering and Civil Engineering

- No changes with respect to IV, VI and VIII Semester syllabus.

BOS 05: 05 Permission to start new UG and PG Programme and approve scheme of teaching, evaluation and curriculum for the 2020 batch

Note:

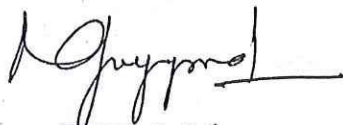
- Dean informed the BoS about the starting of new specialization programmes in all branches of Engineering at UG level.
- Further, it was brought to notice of BoS that SOET is planning to start a few more M.Tech. Programmes.

Resolution: As per university norms the UG and PG can be approved.

Agenda 06 Modification of syllabus if any

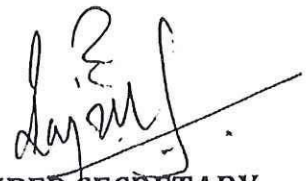
Resolution: 4BCS401: Engineering Mathematics for CS & IT is modified.

Finally, Pro Vice Chancellor, Dean and Member Secretary BoS, thanked all the BoS members for their presence, involvement and contributions.

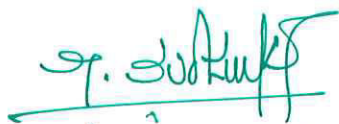


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MEMBER SECRETARY



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School of Engineering and Technology

6th Board of Studies Minutes of Meeting

Minutes of Sixth Board of Studies Meeting held on 23rd December 2019 in the Board Room, at SOET Campus; CMR University, Chagalatti, Hennur-Bagalur Main Road, Bengaluru 562149

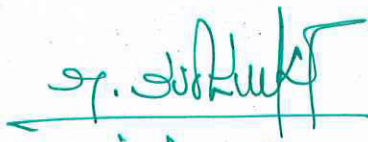
The following members were present

Dr. P V Sivpullaiah, Pro Vice Chancellor, CMR University, Bengaluru
Dr. M Jayaprasad, Dean, SOET, CMR University, Bengaluru
Dr. K. Rajanikanth, Former Principal, MSRIT, Bengaluru
Dr. M. H. Kori, Former Technical Director, Alcatel-Lucent Technologies, Bengaluru
Dr. Rajashekar M Patil, HOD IT, SOET, CMR University, Bengaluru
Dr. Arun Biradhar, HOD CSE, SOET, CMR University, Bengaluru
Dr. Sateesh, HOD ECE, SOET, CMR University, Bengaluru
Dr. Muralishankar, Professor ECE, SOET, CMR University, Bengaluru
Dr. Arun Kumar K H, Asst. Professor ME, SOET, CMR University, Bengaluru
Dr. R. Harish, Professor, Physics, SOET, CMR University, Bengaluru
Dr. Rajashekar Patil, Professor, ME, SOET, CMR University, Bengaluru and Member Secretary, BoS

The members not present

Dr. B. K. Sridhar, Professor, Mechanical Engineering Department, NIE, Mysuru
Dr. H. S. Prashanth, Professor, ECE, NITTE Meenakshi College of Engineering, Bengaluru
Dr. N. Chandra, Senior Scientist, NAL, Bengaluru
Dr. C. Amarnath, Professor Emeritus, Department of Mechanical Engg, IIT Bombay, Powai, Mumbai.
Dr. Rohini Nagapadma, Professor and Head, ECE, NIE, Mysuru
Mr. Naveen Kamat, IBM Technologies, Bengaluru

Pro Vice Chancellor of CMR University, welcomed all the BoS members for the 6th BoS Meeting and Chaired the Meeting,


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004-00025 1222 31/12/19



The Member Secretary, SOET, CMR University formally welcomed BoS members and started the meeting agenda by agenda.

Agenda01 REPORT on ACTIVITIES

A brief report on academic activities starting from Induction programme for First year B.Tech students, project exhibition, FDPs, research papers, club activities, IMTEX 2020, awards etc., during AY 2019-20 (Odd Semester) was presented by Member Secretary BoS.

Agenda 02 CONFIRMATION of FIFTH BOS MINUTES

Minutes of the Fifth Board of Studies Meeting was presented by Member Secretary BoS, SOET and was ratified by BoS.

Agenda 03 Action Taken Report on fourth Board of Studies Meeting held on 12th June 2019

The Action Taken Report based on the Fifth Board of Studies Meeting was presented by respective HOD and concluded by Member Secretary BoS, SOET and was approved by BoS.

Agenda 04 Approve scheme of teaching and evaluation and curriculum for the 2016 batch, 2017 batch, 2018 batch and 2019 batch (even semester)

Department of CSE and IT

1. 2018 Batch: For current fourth semester :
 - 4BCS401: Engineering mathematics – Module 4 is replaced with topics from statistics.
 - 4BCS403: Software Engineering: Changes in module 5 as for sixth semester.
 - 4BCS483: Software Engineering (open elective): Change the title of the course to Introduction to software engineering.
2. 2017 Batch : For current sixth semester:
 - 4BCS605: Software engineering: Module 5 is to be changed slightly.
 - Add Agile software development: and delete Z Notation, Hoare's notation, petrinet's, aspect oriented programming.
3. 2016 Batch: For current 8th semester :
 - A new elective AI will be offered
 - Lab for 4BCS803 Deep Learning needs to be finalized. (Theory to be modified slightly and Lab part (programming methodology) is to be designed).

Department of ECE

1. 2018 Batch: For current fourth semester :
 - 4BEC402: Linear Integrated Circuits, have to change the module-1 chapter name as integrated circuit fundamental instead of Integrated circuit fabrication.



- 4BCS403: Microprocessors and Microcontrollers: to introduce MPS, ARM and other latest processors.
 - 4BCS404: Instrumentation and Sensors :to introduce IOT concepts.
2. 2017 Batch : For current sixth semester:
- 4BEC602: Transmission Lines and Antennas: :to change the module-2 chapter name as micro strip and components instead of waveguides and components. Also introduce planer antenna under types of antenna in module-5.
 - 4BEC605 : Information Theory and Coding Desing : to introduce basic probabilities chapter as first module.
3. 2016 Batch: For current 8th semester :
- 4BEC802 : Image and Video Processing: Introduce latest video processing in module-5
 - 4BEC804 : RF and Optical Communication : Title to change as Optical Communication instead of RF and OC.

Department of Mechanical Engineering and Civil Engineering

- No changes with respect to IV, VI and VIII Semester syllabus.

Agenda 05 Permission to start new UG and PG Programme and approve scheme of teaching, evaluation and curriculum for the 2020 batch

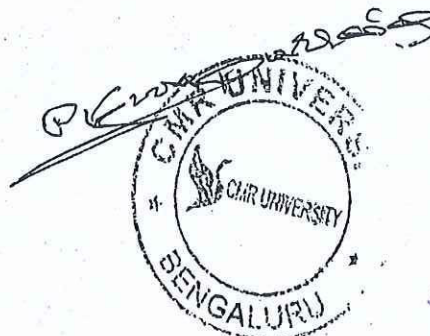
- Dean informed the BoS about the starting of new specialization programmes in all branches of Engineering at UG level.
- Further, it was brought to notice of BoS that SOET is planning to start a few more M.Tech Programmes.

Agenda 06 Modification of syllabus if any

- 4BCS401: Engineering Mathematics for CS & IT is modified.

Finally, Pro Vice Chancellor, Dean and Member Secretary BoS, thanked all the BoS members for their presence, involvement and contributions.

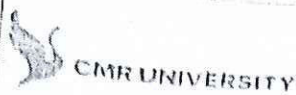
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 Bengaluru - 562 149



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 Member Secretary

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ATTENDANCE

6th MEETING OF
BOARD OF STUDIES -
School of Engineering &
Technology
Venue : Board Room, Main Campus
Date: 23.12.2019
Time: 10.00 A.M.

MEMBERS

Sl. No.	Position	Name	Signature
1	Chairperson	Dr. P V Sivapullaiah Pro Vice Chancellor, CMRU	P. V. Sivapullaiah
2	Member	Dr. M Jayaprasad Dean, SOET, CMRU, Bengaluru	M Jayaprasad
3	Member	Dr. Rajashekar M Patil Professor, Dept. of Information Technology, SOET, CMRU	R. M. Patil 23/12
4	Member	Dr. Arun Biradhar Professor, Dept. of Computer Science & Engg, SOET, CMRU,	Arun Biradhar 23/12/19
5	Member	Dr. M. Murali Shankar Professor, Dept of ECE, SOET CMRU	M. Murali Shankar
6	Member	Dr. Sateesh Associate Professor, Dept. of ECE, SOET, CMRU	Sateesh 23/12/19
7	Member	Prof. Arun Kumar Assistant Professor, Dept of Mechanical Engg, CMRU	Arun Kumar 23/12/19
8	Member	Dr. C Amarnath Professor Emeritus, IIT Bombay, Mumbai	N.A
9	Member	Dr. Rohini Nagapadma Professor and Head, ECE, NIE, Mysuru	N.A
10	Member	Mr. Naveen Kamat IBM Technologies, Bangalore	N.A
11	Member	Dr. N Chandra Senior Scientist, NAL, Bengaluru	N.A
12	Member	Dr. M H Kori Former Technical Director, Alcatel-Lucent Technologies	M H Kori
13	Member	Dr. K Rajanikanth Former Principal, MSRIT, Bengaluru	K. Rajanikanth 23/12/2019
14	Member	Dr. B K Sridhar Professor, Mechanical Engineering department, NIE, Mysuru	N.A
15	Member	Dr. H S Prashanth Professor, NMIT, Bangalore	N.A
16	Member	Dr. R Harish Assistant Professor of ME, SOET, CMRU, Bengaluru	R Harish
17	Member Secretary	Dr. Rajashekar Patil Professor, ME, SOET, CMRU, Bengaluru	R. Rajashekar Patil 23.12.19

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Venue	CMR University Main Campus, Hennur-Bagalur Main Road, Towards Kempegowda International Airport Chagalatti, Bagalur, Bengaluru-562149 Karnataka, India	Date & Day	23 rd Day of December 2019
		Time	10:00 a.m.

AGENDA**READ AND RECORD THE AGENDA**

Welcome the members, read and record the Agenda by the Chairperson.

BOS 01 Report on activities

(ENCL BOS 05)

CONFIRMATION OF THE PREVIOUS MEETING MINUTES

BOS 02 To confirm the Minutes of the Fifth Board of studies Meeting held on 12 day, of June , 2019.

ACTION TAKEN ON THE PREVIOUS MEETING MINUTES

BOS 03 To report action taken on the Minutes of the fifth Board of Studies Meeting held on 12 day, of June, 2019.

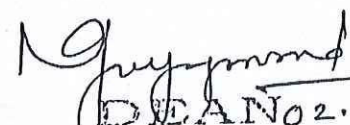
ITEMS FOR CONSIDERATION

BOS 04 Approve scheme of teaching and evaluation and curriculum for the 2016 batch, 2017 batch, 2018 batch and 2019 batch (even semester).

BOS 05 Permission to start new UG and PG Programme and approve scheme of teaching, evaluation and curriculum for the 2020 batch.

BOS 06 Modification of syllabus if any.

BOS 07 Any other subject with the permission of the Chair.


DEAN 02.01.20
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MEMBER SECRETARY


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CMRU – 5th Board of Studies Meeting (23/12/2019) – School of Engineering and Technology



**CMR UNIVERSITY**

Creating New Horizons in Education

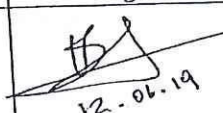

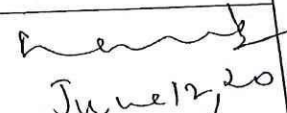
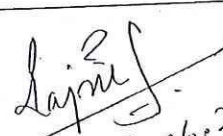
**ATTENDANCE
REPORT**

**5th BOARD OF STUDY MEETING
CMR UNIVERSITY
SCHOOL OF ENGINEERING AND TECHNOLOGY**
Venue: Board Room, SOET, CMRU
Date: 12-06-2019 Time: 13:00 a.m.

Sl. No	Position	Name, Designation and address	Signature
01	Chairperson	Dr. Nagaraj M. K. Senior Professor and Dean, School of Engineering and Technology, CMR University, Bengaluru. Email: Dean.soet@cmr.edu.in	 12/6/19
02	Member	Dr. K. Rajanikanth, Former Principal, MSRIT, Bengaluru, Mob: 9845470426, Email : raiani341949@yahoo.com	 12/6/2019
03	Member	Dr. N. Chandra, Senior Scientist, NAL, Bengaluru, Ph: 9900630828; Email: nchandr@nal.es.in	 12/06/19
04	Member	Dr. B. K. Sridhar Professor Department of Mechanical Engineering National Institute of Engineering, Mysore M: 9844744250 Email: cmrbks@yahoo.com	 12-06-19.
05	Member	Dr. H. S. Prashanth Professor, Department of Electronics and Communication, NITTE Meenakshi College of Engineering, Bengaluru. Mob: 9902058362, Email : drhsprashanth@gmail.com	 12/6/2019
06	Member	Dr. C. Amarnath Professor Emeritus, Department of Mechanical Engineering, Indian Institute of Technology Bombay, Powai, Mumbai - 400 076. Mob: 9620071710, email : c.amarnath@gmail.com	
07	Member	Dr. Smitha Rao, Professor, Department of Computer Science and Engineering, School of Engineering and Technology, CMR University, Bengaluru. Mob: 9620362819 Email: smitha.r@cmr.edu.in	 12/6/2019
08	Member	Prof. Shashidhar M. Assistant Professor, Department of Electronics and Communication, Engineering, Bengaluru. School of Engineering and Technology Mob: 9605370181 Email: shashidhar.m@cmr.edu.in	 12/6/19

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Sl. No	Position	Name and Designation and address	Signature
09	Member	Prof. Bharath G. Assistant Professor Department of Mechanical Engineering School of Engineering and Technology CMR University, Bengaluru. Mob: 9738645365 Email: bharatth.g@cmr.edu.in	 12.06.19
10	Member	Dr. Rubini P. Associate Professor, Professor, Department of Computer Science and Engineering School of Engineering and Technology CMR University, Bengaluru. Mob: 9600219977 E-Mail: rubini.p@cmr.edu.in	 12/6/19
11	Special Invitee	Dr. Harish R Professor, Department of Physics, School of Engineering and Technology, CMR University. Bengaluru. Mob: 9448349733 Email: harish.r@cmr.edu.in	 June 12, 2019
12	Member Secretary	Dr. Rajashekar Patil Professor, Department of Mechanical Engineering School of Engineering and Technology CMR University, Bengaluru. Mob: 9448341489 Email: Rajashekar.p@cmr.edu.in	 12.06.2019


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BOARD OF STUDIES MEETING
AY 2019-20 : BOS 02

SCHOOL OF SCIENCE STUDIES

Date : Saturday, 7th December, 2019
Time : 10.00 a.m.
Venue : Board Room, CMR University, OMBR Campus

The following members were present:

- | | |
|--|----------|
| 1. Prof. P.V. Shivapullaiah
Pro Vice Chancellor
CMR University, Bangalore | Chairman |
| 2. Dr. Sreeram Darbha
Professor & Dean
School of Management
CMR University, Bangalore | Member |
| 3. Dr. Chitra Ravi
Head of Department
Department of Computer Science
MLA College for Women, Bangalore | Member |
| 4. Mr. Rajkumar M
Senior Game Developer
Zynga Game Network
Bangalore | Member |
| 5. Mr. Rohit Tembe
Creative Head
Finnovation Tech Solutions Pvt. Ltd
Bangalore | Member |
| 6. Mr. Dilip Achtani
Director,
SEAMEDU | Member |
| 7. Prof. Jayanthi M | Member |
| 8. Prof. Rameshkumar K | Member |

9. Prof. Rajesh Dharan	Member
10. Prof. Chandan B S	Member
11. Prof. Sunil Gandhi	Member
12. Prof. Manikandan R	Member
13. Prof. Suja Bennet	Member Secretary

The following members were absent:

1. Mr. Ahid Das Gupta Freelance Sound Engineer Bangalore	Member
2. Mr. P Muniraj Faculty Srishti Institute of Art & Technology Bangalore	Member

Proceedings

Agenda 1: Welcome and Introduction by the Member Secretary

- 1.1 Member Secretary Prof. Suja Bennet heartily welcomed the members and the special invitees to the Board of Studies Meeting of the School of Science Studies. She then introduced Prof. P.V. Shivapullaiah, Chairman, BOS and Dr. Sreeram Darbha, Member, BOS to the Board. The external members also introduced themselves to the Chairman.
- 1.2 She then introduced the context of the meeting and explained that programme wise BOS would be proposed to the upcoming Academic Council. Members welcomed and appreciated this move initiated by the Honourable Vice Chancellor for better conduct of the BOS.

Agenda 2: Confirmation of the previous Minutes of the Meeting AY 2019-20: BOS 01

- 2.1 The minutes of the previous board of studies meeting AY 2019-20: BOS 01 held on 24th May, 2019 were placed before the members.

**Agenda 3: Report on the action taken on the Minutes of the Meeting
AY 2019-20: BOS 01**

- 3.1 The report on the action taken on the previous board of studies meeting AY 2019-20: BOS 01 held on 24th May, 2019 were placed before the members.

- 1) Reviewed the implementation of the modifications in the curriculum that was proposed
- 2) Reviewed the course on Environment and Sustainability that was introduced
- 3) Reviewed the curriculum presented for the new programme B.Sc (Game Art and Design) to be introduced in the Academic year 2020-2021.
- 4) Reviewed the implementation of the question paper pattern (Semester End Examination)
- 5) Reviewed the implementation of the proposed internal assessment parameters (CIE)

- 6) Reviewed the implementation of :

- a) Progression criteria from one semester to the next and from one year to the next as per the Rules and regulation laid down by the University under the CBCS system.
- b) Students who were eligible to appear for the Semester End Examination but could not clear one or more courses neither in the Regular nor in the Make-up Examination thereof, need to only register for the subsequent Semester End Examination and need not redo the course(s) once again. Whereas, in case of students who were not eligible to appear for the Semester End Examination need to Re-register for the course(s) in the Semester where it is offered (keeping in mind the credit limit of the said Semester). The members suggested the cre

of a particular semester for Re-registration can be Programme dependent. They suggested 30-32 credits.

- c) Statutory requirements of making Kannada language mandatory for all students at the Under-Graduation level who have pursued Kannada at the higher secondary level.

Agenda 4: Introduction of the new programme

- 4.1 The members were briefed on the prospectus of introduction of the new three year degree program B.Sc. Game Art & Design with respect to pedagogy, career and higher studies.

Resolution 1: The members unanimously approved the introduction of B.Sc. Game Art & Design.

Agenda 5: To consider and approve the panel of examiners for the Even Semesters 2019- 20

- 5.1 The board approved the panel of examiners for the Even Semesters of the Academic Year 2019-20 that was presented.
- 5.2 Members unanimously recommended the introduction of external members in the valuation of theory and practical Semester End Examinations.

Resolution 2: Panel of Examiners approved for the Even Semesters of the Academic Year 2019-20.

Resolution 3: External Examiners recommended for the valuation of theory and practical Semester End Examinations.

Agenda 6: Curricular, Co-Curricular and other activities of the School for the year 2019-2020 presented to the members.

6.1 The members were presented the Curricular, Co-Curricular and Extra-curricular activities of the School organized during the Odd Semester of the academic year 2019-20.


- a. Faculty Development Programmes
- b. Guest Lectures
- c. Workshops / Training
- d. Community Activities
- e. Industrial Visits
- f. Intercollegiate Fests
- g. Club Activities
- h. Events:
 - International Yoga Day
 - CAA Annual Meet 2019
 - Under 25 Summit
 - Investiture Ceremony
 - Anti-Suicide Day
 - Just Dance 2019 - Gaming Event
 - Unity Tech Talk (from Unity Technologies and Brackeys)

6.2 The members were presented the Curricular, Co-Curricular and Extra-curricular activities of the School planned for the Even Semester of the academic year 2019-20.

Agenda 7: Any other matter with the permission of the Chair

7.1 There were no further points raised for discussion

The meeting concluded with the Vote of Thanks by Prof. Jayanthi


Member Secretary

**Minutes of the Ninth Board of Studies Meeting
Held by School of Architecture on 25th of July 2020
At 11:00 am, held offline**

Members present:

1. Prof. A.G Rao (Member)
2. Ar. Sanjay Mohe (Member)
3. Ar. Dinesh Verma (Member)
4. Ar. Bijoy Ramachandran (Special Invitee)
5. Ar. Anup Naik (Special Invitee)
6. Dr. K S Anantha Krishna (Chairman)
7. Prof. Muralidhar K (Member secretary & Director, CMU SOA)
8. Ar. Anand Kurudi Rao (Faculty, CMRU)

11:00 am

BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Notes:

The Dean welcomed all the members to the 7th meeting of BOS in Architecture. The meeting proceeded in a sequential manner, as elaborated in the points below.

11:03 am

BOS 02: SUMMARY AND CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Notes:

- The Dean read out the minutes of the 6th meeting of the BOS held on November 30, 2019.
- Ar. Dinesh Verma wished to clarify the status of the suggestion of the BOS that the School should aim to allow only those who have cleared all their Architectural Design courses to take up Thesis in the 10th Semester.
- The Dean then stated and explained the limitations of the CBCS system - which presented a conflict of academic and administrative interests.
- Ar. Anup Naik and Ar. Sanjay Mohe both voiced possible ways to address and incorporate a system where a pool of resourceful mentors is created, who guide students with Architectural Design backlogs for an intensive period of time prior to their thesis. The Board were all in favour of such a system being implemented.
- Resolution: The Dean will present this point to the University for further discussion. All other points in the minutes were approved with the above point

(No. 15) needing clarity.

11:35 am

BOS 03: TO PRESENT THE ACTION TAKEN REPORT OF THE MINUTES OF THE PREVIOUS MEETING HELD ON November 30, 2019.

Notes:

- The Dean presented the Action Taken Report of the 6th meeting of the Board of Studies in Architecture.

Resolution: The board approved all points presented in the action report.

11:38 am

BOS 04: TO PRESENT THE EXPERIENCE OF ONLINE TEACHING WEF 14th of MARCH, 2020. FEEDBACK FOR PURSUING THE SAME MODE IN THE ENSUING SEMESTER.

Notes:

- The Dean went over the write-up prepared by the school on the conduct of classes online due to the emergence of the COVID-19 situation from March 14, 2020. The points elaborated included online-protocols introduced by the school, the checks taken by the university, systems introduced by the UGC and the COA and duly followed by the school, and also particular difficulties faced by the students.
- Prof. Muralidhar Reddy raised and discussed his experiences, making a point that although instruction switched to a virtual mode, the teaching-learning processes still remained as if in an offline-mode. He raised fundamental issues of online-teaching methodology expressed the need to relook at the 'hows' - by elaborating possible modifications that could be addressed in the coming semester. First, in the previously 3-hour theory sessions which could now be cut to 1 hour pre-recorded sessions, with live interaction used to facilitate interaction and discussion rather than deliver content. He also spoke of adopting new strategies for studios like working in pairs, introducing new review and evaluation techniques, and also re-looking at the scale of projects taken up by the students, laying emphasis on quality over quantity. He then addressed the possibility of re-looking at the timetable in the form of capsules - beginning with theory based sessions and electives, and then moving on to technical and studio courses. Finally, he emphasised the possibility of horizontal integration of studio-based subjects into the primary design studio;

in terms of content delivery as well as evaluation.

- Prof. Reddy also mentioned that the University has been engaging faculty with Faculty Development Programs to provide the faculty with necessary skill sets to adapt to this online teaching mode.
- Feedback for the above was requested by Murali from the board.
- Ar. Sanjay Mohe expressed that the idea of horizontal integration is valuable and the online mode presents an opportunity to take advantage of this situation.
- Ar. Dinesh Verma wished to know the students' reactions to the online classes and stated that it will be of utmost importance to utilise the students' feedback to improve the practices of online learning.
- Ar. Anup Naik raised a valuable point of looking at the 'operational hygiene' and the need for a tech-revamp from a hardware/system perspective. He stressed the need for making online learning equitable - and to ensure accessibility of systems and software to all students by co-partnering with service providers to aid in blended learning or, taking up systems with similar configuration on hire to provide to the students.
- Prof. AG Rao was of the opinion that while perhaps such practical issues can be solved, there is a larger question of the 'artistry of teaching online' which is not yet developed. He stressed on the need for faculty development in this regard via seminars or lectures that encourage/enable the invention of new modes and mechanisms of teaching.
- Ar. Bijoy Ramachandran spoke of the possibility of adapting the Architectural Design studios, where students find sites for design projects close to where they are located.
- Prof. Muralidhar Reddy and Akshara Verma then presented the teaching-methodology and outcomes of the week-long Mid-Semester Workshop as a highlight of the online semester held at the school between June 8 -14 2020.

Resolution: There was consensus across the board that there is a need for the faculty to be prepared to adapt to the online mode much more than the students themselves. The impact of FDP's will be needed - and tailormade to cater to architectural education.

- Regarding the system specifications and compatibility now imperative for online learning, specific guidelines for the procurement and even refurbishment of laptops for the students in being systemised by Prof. Muralidhar Reddy.
- Ar. Anup Naik spoke of being wary of having a cap on the scale of projects, especially in higher semesters - as a lack of exposure to larger scale projects

might be a setback for those who wish to pursue specific masters programs etc. later.

- While the highlight of the online mid-semester workshop modulation and proceedings was well received by the board, Prof A.G Rao requested that the faculty reflect on the workshop proceedings, and use the chance to examine the advantages of the online methodology used even in future programs of the school.
- Ar. Bijoy Ramachandran, as a reaction to the work done by the mid-semester workshop, said that it might be beneficial for the online mode of teaching to also similarly split itself into short objective-driven projects. He gave the example of SEA, Mumbai which has programmed their semesters to run as short modules with specific agendas and also WCFA, Mysore which has also explored short term tangible objectives. Ar. Anup Naik was also of the same opinion, and is to connect the school with the architecture department at Sri Sri University at Cuttack, for possible collaboration.

12:28 pm

BOS 05: TO PRESENT A BRIEF REPORT ON THE COMPLETION OF THESIS BY THE FIRST BATCH OF 2015-2020.

Notes:

- The Dean put forth the summary report of the thesis proposals by the 41 students, guided by a panel of 8 experienced mentors, who performed well despite the challenges faced switching to the online mode. Coincidentally, two of the external thesis examiners are members of the BOS and the Director invited them to share their comments with the Board.
- Ar. Bijoy Ramachandran, recalling his two days spent with 21 students said there were a fair number of sophisticated projects and 7-8% emerged in the top bracket.
- Ar. Anup Naik too, added that the work done was extensive - and even given the situation of limited face-to-face contact - was largely excellent. He did mention, however, that demanding certain consistency in deliverables will help the juror and also help
- students conclude their projects better. He also felt that while students have a good grip on research methodologies and developing architectural details, the preparation and learnings from case studies was a weak link.

Resolution: Prof. AG Rao stressed on receiving detailed feedback from students for reflection and improvement.

12:39 pm

BOS 06: APPROVAL OF DETAILED SYLLABUS FOR 2BAR94 DISSERTATION.

Notes:

- The Dean put forward the proposed syllabus for Dissertation to be conducted, ie, a subject that gives impetus to the research component of architectural studies in the 9th semester, which has emerged as a suggestion by the BOS in a previous meeting.
- The Dean explained the structure and projected outcomes of the course and requested the BOS to approve the syllabus.
- Professor Muralidhar Reddy also added a few guidelines; one to encourage present faculty members to present their own dissertations as experiences to the students. Second, to also receive inputs regarding research methodologies and tools from the management and life-skills institute at the CMRU. Third, the exploration of larger scales - related to planning and landscape - may be dealt with for students to relate to this framework for their thesis projects in the subsequent semesters.
- Ar. Anup Naik raised a question if the outcome of this dissertation is to lead to the formulation of the students thesis.
- The Dean explained that there are two trains of thought- either that the research subject of the dissertation becomes the starting point of the thesis, or that it is an independent study.
- Ar. Bijoy Ramachandran was of the opinion that to make it mandatory for the dissertation to lead to the thesis may limit the scope of the subject; and suggested to keep it open ended with less impetus on outcome as an objective and more on research methodologies itself. This point was agreed upon by all, Ar. Sanjay Mohe and Ar. Dinesh Verma and Ar. Anup Naik.
- Prof. AG Rao raised the larger question of how the course will be meaningful. To which, a reaction by Ar. Anup Naik was a suggestion that the output of the subject can be put together in the form of a publication, which will lead to addressing the qualitative aspect of the subject and be a value proposition for both, the University and the involved faculty.

Resolution: The BOS agreed upon two points- first, that the research work taken up by the students need not be a point-of-departure of their thesis projects in the subsequent semester. Further, some of the dissertation projects may be published.

12:56 pm

BOS 07: TO RATIFY THE PROPOSAL OF SOA TO CONTINUE THE EXISTING

CURRICULUM FOR B.ARCH FOR THE ACADEMIC

SESSION 2020-21

Notes:

- The Dean explained that the school had had to switch over to an online mode of teaching-learning, which resulted in an increased workload in both administrative and academic roles of the school due to the situation presented by COVID-19.
- For the session 2020-2021 only - the school thought it appropriate to continue the existing curriculum for the 2021 session, but by also incorporating and following-up the serious attempts made at integration of courses as suggested by the BOS.

Resolution: The BOS was in agreement with the point raised above.

1:03 pm

BOS 08: BRIEF REPORT ON THE EXPERIENCE OF THE SCHOOL IN ATTEMPTING INTEGRATION OF ARCHITECTURAL DESIGN WITH BASIC DESIGN, VISUAL ARTS AND FOUNDATION WORKSHOP IN THE I AND II SEMESTERS OF 2019-20 ACADEMIC SESSION.

Notes:

- The Dean, in continuation of point raised in BOS07, explained the conscious attempt made and the logistical framework of the horizontal integration of Visual Arts, Basic Design, Workshop and Architectural Design in semester I and the integration of Art Appreciation, Basic Design and Architectural Design in semester II as a combined studio under a common umbrella, having common faculty.
- Prof. Muralidhar Reddy elaborated the bigger picture put forth by the University; to follow the OBE framework as a USP of the school. Integrating this, as well as the inclinations of the School towards certain approaches has been considered while building the framework for integration of courses.

Resolution: The BOS was in agreement with the report presented.

1:09 pm

BOS 09: RATIFICATION OF THE DECISION OF CMRU SCHOOL OF ARCHITECTURE TO SWAP VII AND VIII SEMESTERS FOR THE 2017-2022 BATCH, IN VIEW OF COVID-19

Notes:

- The Dean explained that given the COVID-19 situation, the 7th semester students who would normally have been undertaking their practical training, will instead pursue all courses in their 8th semester and take up their training in the subsequent semester. This stand has been taken reviewing the advisory sent by the Council of Architecture, the present status of the profession as well as the safety and concern of the students and their families.

Resolution: The BOS was in full agreement with the proposal; and iterated that in this respect, the school is in a far better position in comparison to other schools of architecture in the country.

1:16 pm

BOS 10: RATIFICATION OF THE THREE CERTIFICATE COURSES PROPOSED BY SOA FROM THE ACADEMIC SESSION 2020-21

Notes:

- The Dean put forth a proposal for the inclusion of three certificate courses that will be taken up by the School of Architecture. He gave a brief background, citing the initiation of this process by the university and the assessment conducted by the school on the available infrastructure of the school, and also of skilled faculty from the School of Architecture to conduct these courses for a during the vacation period.
- The following three courses- with a highly intense approach for a duration of 8 weeks - were put forth:
 - Certificate course in Architectural Draftsmanship
 - Certificate course for Interior Design
 - Certificate course of Rapid Prototyping
- The eligibility of the courses would be candidates who have passed the 10th standard, seeking skills for immediate employment.
- Ar. Anup Naik suggested exploring the possibility of linking such courses with the Skills India Initiative; which will give the courses a stronger standing, demand and also allow for grants for students.
- Ar. Dinesh Verma expressed uncertainty of the school being able to facilitate the objective of employment by imparting such technical skills to students with no prior background in design in a period of just 8 weeks - irrespective of the intensity of the program. He suggested that the school relooks at the course duration; to perhaps include 8 weeks of contact hours and extend that timeline to continue either online or during the evening hours to do justice to the

course objective. Ar. Anup Naik was also in agreement with the point raised.

- Prof. Muralidhar Reddy raised the point of the relevance of an Architectural Draftsman in architectural offices today. Ar. Anup Naik predicted the emergence of a 'Digital Designer' with comprehensive learning of tools to include BIM software like Revit and Rhino. Ar. Bijoy Ramachandran pointed out that if the course was to include such skills, perhaps it will also be beneficial to architects themselves and students of architecture, from an upskilling point of view.
- Ar. Sanjay Mohe, stated that although the relevance of the traditional draftsman in an architectural practice may be less, the need for them in allied consultants offices will continue to be a necessity, thereby ensuring demand. Ar. Anup Naik was in agreement. And mentioned possible value additions with tie-ups/ co-partnerships with organizations like IGBC etc.

Resolution: There was agreement on the point that the course duration must be extended - following a framework of 8-week intensive contact hours that is followed by a stipulated duration of online classes. The course would be concluded with an examination following which the certificate will be awarded to the candidates. The BOS also drew the conclusion that although the certificate courses have been initiated, further work needs to be done in line with the discussions as outlined in the notes. Prof. AG Rao also raised the important point of designing the curriculum keeping the 'aspirational conflict' of skill-level training in mind.

1:39 pm

BOS 11: INITIATION OF MODIFICATION OF ARCHITECTURAL DESIGN CURRICULUM, IN ORDER TO ENHANCE HORIZONTAL INTEGRATION ACROSS OTHER COURSES OF A SEMESTER AND VERTICAL INTEGRATION ACROSS THE DIFFERENT SEMESTERS.

Notes:

- The attempt to initiate the process of modifying the architectural design curriculum based on learnings from the first five years of the school, the specific core-values that the school stands for and possible cumulative objectives that drive each studio were elaborated by Ar. Anand Kurudi Rao and Ar. Akshara Verma.
- Ar. Bijoy Ramachandran reacted to the proposal by making a point that it might be interesting to look at all allied subjects in a particular semester with the same lens as that which drives the design studio.

- Ar. Anup Naik expressed that streamlining the design program too explicitly might be problematic, and suggested that the guidelines need to be structured only loosely to allow students to re-gig themselves along the course of their studies. He pointed that there might be value in segregating objectives across the years as soft functions, technological functions and design functions to enable the studios to view one against the other.
- Ar. Bijoy Ramachandran also agreed with the concern brought up by Ar. Anup Naik, and suggested reaching out to CARE, Trichy and looking at the curriculum devised by them. A suggestion to study the proceedings at Srishti School, Bangalore was also mentioned.

Resolution: The BOS agreed that this is an appreciable initiation of efforts, and a further exploration of the layers discussed is imperative. This could be taken up in the next BOS.

1:58 pm

BOS 12: TO CONSIDER PROVIDING AUTHORIZATION TO THE DEAN, TO RECOMMEND TO THE VICE CHANCELLOR TO INTRODUCE OR MODIFY THE COURSE CONTENT, STRUCTURE AND CURRICULUM OF B.ARCH AS AND WHEN NEEDED IN COORDINATION WITH THE DIRECTOR.

Notes:

- This point was elaborated by the Dean, after which approval of the same was sought by the board.

Resolution: The BOS raised no objection to the agenda.

2:01 pm

BOS 13: ANY OTHER SUBJECT WITH THE PERMISSION OF THE CHAIR

Notes:

- The Dean invited the members of the board to raise any other issue or topic of relevance for further discussion.

There was no further issue brought up by the BOS members; therefore, the Dean concluded the meeting by thanking all the members present for their time and inputs.

Minutes of the Ninth Board of Studies Meeting
Held by School of Economics and Commerce on Saturday day, 1st August 2020
At 2.00 p.m. in the Google Meet, Bangalore

Members present:

- | | |
|--|--------------------|
| 1. Dr Bhaskar Reddy, Pro Chancellor, CMR University. | - Chairman |
| 2. K. Raghu, Chattered Accountant, Raghu and Raghu Company, Bangalore. | - Member |
| 3. Dr Ramesh, Professor, Mount Carmel College. | - Member |
| 4. Dr. Eshwara Reddy, Associate Professor, SOEC, CMR University | - Member |
| 5. Dr Abhijit, Assistant Professor, SOEC, CMR University. | - Member |
| 6. Dr. Nanditha Barua, Assistant Professor, SOEC, CMR University. | - Member |
| 7. Dr M.S. Annapoorna, Professor, Director i/c SOEC, CMRU. | - Member Secretary |

Members on Leave:

1. NIL

BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Notes: All the BOS Members were welcomed and Introduced by the Chairperson

Resolution: NIL

BOS 02: CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Notes: The minutes of the 8th BOS held on Wednesday, 20th November, 2019 were placed before all members.

Resolution: The members unanimously confirmed the minutes

BOS 03: TO REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE PREVIOUS MEETING HELD ON Wednesday 20th November 2019.

Notes: The Action taken report action on the Minutes of the 8th BOS meeting, held on Wednesday 20th November 2019 Board of Studies Meeting held at CMR University Campus was read to the Members

Resolution: The members appreciated and confirmed the actions taken by the School of Studies.

BOS 04: 1. Review and modification of Existing UG & PG Programs,

Notes:

To consider and approve Scheme of Teaching & Evaluation and Curriculum for the following programmes (CBCS Scheme for academic year 2020-2021)

- i. B.Com.
- ii. B.Com. (Hons.)
- iii. B.Com.(Hons.) in IAF
- iv. M.Com.

Resolution:

1. Two papers of Economics are not required in two semesters, It can be clubbed into one paper of Business Economics
2. Financial Accounting 1- Royalty Accounting has to added
3. In Financial Accounting emerging trend module- include the following four
 - Artificial Intelligence
 - Cloud computing
 - Financial Analytics
 - Block chain management
4. Business Law – Include competition law and Insolvency and Bankruptcy Code.
5. Along with financial analytics, can we also have HR and Marketing Analytics?
6. Business mathematics is ratio and proportion covered
7. Cost Accounting – Reconciliation Cost and final account has to be added
8. Mergers and Acquisition – Presently only purchase methods is there, the polling interest method is not these. Kindly check and make appropriate corrections.
9. Income Tax – one semester it is not sufficient, if possible make it into IT-1 and IT-2 two papers
10. Coverage of new portal of Income tax filling and GST filling has to be include as skill components in all the accounting and finance subjects
11. Integrate Program of B.Com +CA has to be planned and introduced.
13. Every paper 5 skill development activities to be introduced
14. Different GST filling returns has to be thought to the students with a practical approach.
15. Auditing Paper – system audit has to be included.
16. M.Com. Training should be organized in campus on Direct Tax Benefits, Indirect Tax benefits, Investment consultancy, and Portfolio management
17. The placement officer should contact the Bangalore CA officers for hiring our B.Com and M.com students for Internship.

Notes:

2. Review the New UG & PG programs
To consider and approve the Program structure for the following programmes for the academic year 2020-21
 - i. B.A Economics
 - ii. M.A Economics

Resolution:

1. In BA Economics- introduce one paper on Business Economics

BOS 05: To consider and approve the list of Panel of Examiners for the year 2020-2021

Notes: List of Panel Examiners for the Year 2020-21 was presented

Resolution: The Panel of Examiners should be very big- Keep as rider – saying apart from our faculties, bang university faculties will also be panel of examiners.

BOS 06: To ratify and approve for allowing students to write all the backlog course for 2017 batch as one time measure and to conduct the online Examination and online question paper due to the COVID 19 Pandemic Situation

Notes:

Resolution: It is approved by the BOS members

BOS 07: Table Agenda (if any)

Notes: Members suggested skill based components to be included in the Course

Resolution: More skill oriented for every course should be conducted by teachers in the class to provide a practical approach to students.

BOS 08: ANY OTHER SUBJECT WITH THE PERMISSION OF THE CHAIR


MEMBER SECRETARY

Minutes of the 9th Board of Studies Meeting
Held by School of Social sciences and Humanities, on Friday 31st July 2020
At 2:30pm. in the Boardroom, CMR University City Campus, Bangalore

Members present:

- | | |
|------------------------------|--------------------|
| 1. Dr. Bhaskar Reddy | - Chairman |
| 2. Dr. Chetan Bajaj | - Member |
| 3. Dr. Annapurna. M.S | - Member |
| 4. Dr. Smitha Philip | - Member |
| 5. Prof. Farooq. M S.M | - Member |
| 6. Dr. G.K. Karanth | - Member |
| 7. Dr. Gopal Raghav | - Member |
| 8. Dr. Arunima Dube Upadhyay | - Member Secretary |

Members on Leave:

1. Prof. Hamasa.N

BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Pro. VC Dr. Bhaskar Reddy chaired the meeting and welcomed the members. Member Secretary Dr. Arunima Dube Upadhyay welcomed the members to the 9th Board of Studies meeting of School Social Science and Humanities, CMR University. Member Secretary also introduced the context of the meeting.

Resolution: Members welcomed and appreciated this move initiated by the Schools for better academic accountability. Members were appreciative of the online meeting being conducted during this pandemic

BOS 02: CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Notes: To confirm the Minutes of the 8th Board of Studies Meeting held at CMR University Campus on Thursday 21st November 2019.

Resolution: The members confirmed the minutes of the meetings of 8th BOS held on Thursday 21st November 2019.

BOS 03: TO REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE PREVIOUS MEETING HELD ON THURSDAY 21ST NOVEMBER 2020

Notes: To action taken report of the 8th Board of Studies Meeting held at CMR University Campus on Thursday 21st November 2019 was presented to the members.

Resolution: Members were appreciative of the action taken by the school. Members were also explained about the pending action and the timeline of its appliance.

BOS 04: I REVIEW AND MODIFICATION OF EXISTING UG & PG PROGRAMS,

Notes: To consider and approve Scheme of Teaching & Evaluation and Curriculum for the following programmes (CBCS Scheme for academic year 2020-2021)

- i. B.A (Hons) Psychology, Journalism, English.
- ii. M.Sc. Psychology (Clinical)
- iii. M.Sc. Psychology (HRDM)
- iv. MSW

Resolution: i. B.A (Hons) Psychology Journalism and English: The members were appreciative of the new program structure and the credit distribution for the Honours courses.

ii. M.Sc. Psychology (Clinical): The members were appreciative of the new program structure and new courses being introduced.

iii. M.Sc. Psychology (HRDM): The members were appreciative of the new program structure and new courses being introduced.

iv. MSW: The members were explained the need for adding statistics in the MSW program as the students will be doing dissertation in their final semester, hence understanding of statistics is required. Members welcomed the new course and were appreciative of the new course statistics being added in the MSW program.

II. REVIEW THE NEW UG & PG PROGRAMS

Notes: To consider and approve the Program structure for the following programmes for the academic year 2020-21

- i. B.A (G)
- ii. M.A English Literature
- iii. M.A Journalism and Mass Communication
- iv. M.Sc. Electronic Media
- v. PG. Diploma in Psychosocial Rehabilitation
- vi. PG. Diploma in Counselling Psychology
- vii. PG. Diploma in Psychometry

Resolution: The members were appreciative of the new programs and reviewed the program structure. All program structure were presented before the members. Dr Karanth suggested to add more cultural perspective in Journalism course. Prof. Farooq briefed him that there are two course being offered which deals with media and cultural studies.

BOS 05: TO CONSIDER AND APPROVE THE LIST OF PANEL OF EXAMINERS FOR THE YEAR 2020-2021

Notes: Member secretary presented the list of Internal and external examiners for theory and Practical Exams for UG and PG programs.

Resolution: Members approved the Panel of examiners list.

BOS 06 TO RATIFY AND APPROVE THE ONLINE EXAMINATION AND ONLINE QUESTION PAPER.

Notes: Member secretary explained to the BOS member about the reasons for the above mention ratifications.

Resolution: Ratification for conducting online exam was appreciated by the members. Dr Karanth requested the chairmen to explain the entire process. Chairmen Dr. Bhaskar Reddy explained the Eklavya portal and the proctoring system in detail. Dr Karanth expressed his desire to be part of the Mock exam going to be conducted for student.

BOS 07 TABLE AGENDA (IF ANY): Members were appreciative of the workshop conducted by School of Social sciences and humanities for ethics and plagiarism in research.

BOS 08 ANY OTHER SUBJECT WITH THE PERMISSION OF THE CHAIR. Dr. Karanth suggested that School should collaborate with Karnataka Skill development mission for conducting more skill development workshop.

Meeting ended with vote of thanks.

A. Upadhyay 30.8.20
MEMBER SECRETARY

Minutes of the Sixth Board of Studies Meeting
Held Online by School of Legal Studies on Wednesday, 29th July, 2020
At 10:30 a.m. in Room No: 301, CMR University School of Legal Studies Campus, Bangalore

Members present:

- | | |
|---|--------------------|
| 1. Dr. T.R. Subramanya | - Chairman |
| 2. Justice A.V. Chandrashekara (Online) | - Member |
| 3. Prof.Dr.Sairam Bhat (Online) | - Member |
| 4. Prof. G.B. Patil (Online) | - Member |
| 5. Dr. Seema Surendran (Online) | - Member |
| 6. Dr.Valarmathi D | - Member |
| 7. Prof.Sreenidhi K.R | - Member |
| 8. Prof. Gayathri N.M | - Member |
| 9. Prof.Chanjana Elsa Philip | - Member |
| 10. Prof. J P Karthik | - Member |
| 11. Prof.Aruna L | - Member |
| 12. Prof. Anish Dey | - Member |
| 13. Prof. V.J. Praneshwaran | - Member Secretary |

Members on leave

Prof.Tabassum Sultana - Member

BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

BOS 02: CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Resolution: The Board unanimously agreed and confirmed the minutes of the previous meeting

BOS 03: TO REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE PREVIOUS MEETING HELD ON 13th December, 2019.

Resolution: The Action Taken Report based on the BOS meeting held on 13th December, 2019 was approved by the Board.

BOS 04: The syllabus for the new batches was placed before the Board. The new syllabus consists of subjects for the VII and VIII semesters of B.A/B.B.A LL.B (Hons) and III and IV semester of B.Com LL.B (Hons) courses.

Resolution: The syllabus for the new batches was approved by all the board members

BOS 05: In the light of the existing Pandemic situation, the board may kindly consider the temporary suspension of the additional language course in Kannada titled '**Kannada Kali**' which was decided to be introduced as a mandatory non-credit course, in all undergraduate programmes as the same is envisioned as a practical, hands on course designed to suit offline approach

Resolution: It was resolved that the additional language course in Kannada titled '**Kannada Kali**' which was decided to be introduced as a mandatory non-credit course for all UG programmes may be suspended temporarily until situations come to normal and classes start offline.

BOS 06: The new question paper pattern for the UG Programme as mentioned in the scheme of teaching and evaluation of each UG course was placed before the board for approval.

Resolution: The Board approved the new question paper pattern unanimously.

BOS 07 The new promotion policy of students of lower semesters in all UG programmes by temporarily exempting the provisions of 17UGLH7.1 of the UG Programme Regulations for the academic year 2020 - 21 in lieu of the Covid - 19 pandemic was placed before the Board along with the letter from the Bar Council of India No. BCI:D:1336/2020 dated 23rd April, 2020 justifying the proposal.

Resolution: The proposal was accepted unanimously by the Board and the promotion policy was agreed upon in the wake of the pandemic situation.

BOS 08 The CMR University UG Regulation 17UGLH 3.10 was proposed to be amended so as to help students to benefit from the increased number of credits in all their semesters and complete the course during the five/three year duration as the case may be.

Resolution: The Board unanimously agreed to the Amendment of increasing the credits that a student can earn throughout each semester in a uniform proportion so as to benefit him/her complete the course within the stipulated time.

Point of discussion brought to the notice of the Board with the permission of the chair but not covered in the Agenda.

BOS 09 The School brought to the notice of the board the possibility of designing the syllabus of the law course to have an outcome based Education Approach which has been approved by and followed in most of the departments at CMR University.

Resolution: The Board commented that legal education has been always legal centric. The evaluation of the course is already based on Knowledge, Skill and Attitude. Hence the parameters as it stands today comply with the objectives of Outcome based education which is also according the prescribed norms of the Bar Council of India. Moreover, it is not practical to implement the new Outcome Based Education format followed in technical courses and other programmes of the University in a law course. No changes in the curriculum needed.

BOS 10 The Board specially congratulated the School of Legal Studies on conducting online lectures on various legal topics.

MEMBER SECRETARY

CMR UNIVERSITY

VIIIth BOARD OF STUDIES (As per section 22 of CMR University Act)

School of Engineering and Technology

Sl. No	Position	Name	Nominating Authority
01	Chairperson	Dr. Suresh K. R. Pro Vice Chancellor	Vice Chancellor
02	Member	Dr. Jayaprasad M Dean-School of Engineering and Technology Mob:9449222809 Email: dean.soet@cmr.edu.in	Dean of the concern school (Chairman in absence of Pro Vice Chancellor)
03	Member	Dr. Harish R Professor, Dept. of Engineering Physics. Mob: 9448349733 Email: harish.r@cmr.edu.in	One Senior faculty of each specialization nominated by the Vice Chancellor
04	Member	Mr. Shantanu Singh Assistant Professor, Dept. of CE. 8147859089 Email: shantanu.si@cmr.edu.in	
05	Member	Dr. Atla Shashi Bairagi Associate Professor, Dept. of Chemistry, SoET, CMRU. M:8018097884 E: atlashashi.b@cmr.edu.in	
04	Member	Dr. Rubini P. Associate Professor, Dept. of CSE, SoET, CMRU. 9600219977/7904317219 E: rubini.p@cmr.edu.in	
05	Member	Dr. Satheesha T. Y. Associate Professor, Dept. of ECE, SoET, CMRU. M: 9844916033 E: satheesha.t@cmr.edu.in	
06	Member	Dr. S. Saravana Kumar Professor, Dept. of IT, SoET, CMRU. M: 8939909018 E: sarvana.k@cmr.edu.in	
07	Member	Mr. Puneetha Assistant Professor, Dept. of Mathematics, SoET, CMRU M: 9632165404 E: puneetha@cmr.edu.in	
08	Member	Dr. Anup P Athresh Associate Professor, Dept. of ME, SoET, CMRU: M: 8105947649 E: anup.p@cmr.edu.in	
09	Member	Dr. Muralishankar R Professor, Dept. of ECE, SoET, CMRU. M: 9741156023 E: muralishankar.r@cmr.edu.in	Two Experts in the subject from outside form the University nominated by the Academic council nominated by the Vice Chancellor
10	Member	Dr. C. Amarnath Professor Emeritus, Department of Mechanical Engineering Indian Institution of Technology, Bombay Powai, Mumbai-400 076 Mob: 9620071710, E: c.amarnath@gmail.com	
11	Member	Dr. Rohini Nagapadma Professor and Head of the Department ECE, NIC Mysore M: 9980607517	

DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149



Sl. No	Position	Name	Nominating Authority
12	Member	Mr. Naveen Kamat, Program Director, STG Lab Services, IBM India Private Limited,	One person from industry/corporate sector/allied area practitioner
13	Member	Dr. N. Chandra Senior Scientist, NAL, Bengaluru Ph: 9900630828 E: nchandr@nal.es.in	Two Subject Experts in the subject outside the University Nominated by Academic council nominated by Vice Chancellor
14	Member	Dr. M. H. Kori Former Technical Director, Alcatel -Lucent Technical M: 9342593876 R: mhkori@gmail.com	
15	Member	Dr. K. Rajnikanth Former Principal, MSRIT, Bengaluru M: 9855266011 E: rajani341949@yahoo.com	Vice Chancellor may co- opt members upto a maximum of three for a particular meeting for a special cause or expertise on the subject or for a particular agenda, nominated by the Vice Chancellor
16	Member	Dr. B. K. Shridhar Professor, NIE Mysore Mob: 9844744250	
17	Member	Dr. H. S. Prashanth Professor, Dept. of ECE NITTE Meenakshi College of Engineering M: 9902058362 E: drhprashanth@gmail.com	
18	Member Secretary	Dr. Rajashekar Patil Professor, Dept. of Mechanical Engineering SoET, CMRU M: 9448347489 E: rajashekar.p@cmr.edu.in	The Director of the School shall be the Member Secretary of Board of Studies Nominated by the Vice Chancellor.

[Signature]
DEAN
 SCHOOL OF ENGINEERING & TECHNOLOGY
 CMR UNIVERSITY
 Bengaluru - 562 149



7th BOS



CMR UNIVERSITY

Private University Established in Karnataka State by Act No. 25 of 2013

SCHOOL OF ENGINEERING AND TECHNOLOGY

MINUTES OF THE SEVENTH BOARD OF STUDIES MEETING

10.07.2020 ONLINE (GOOGLE MEET)

DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149





CMR UNIVERSITY

Private University Established in Karnataka State by Act No. 85 of 2013

SCHOOL OF ENGINEERING AND TECHNOLOGY

Minutes of the 7th Board of Studies Meeting

10th July 2020 at 11:00 a.m. Online (Google Meet)

CMR University Main Campus, Bangalore

Members present:

1. Dr. Jayaprasad M.
Dean, SoET, CMR University - Chairman
2. Dr. K Rajanikanth,
Former Principal, MSRIT Bengaluru - Member
3. Dr. C Amarnath,
Professor Emeritus, IIT Bombay, Mumbai - Member
4. Dr Rohini Nagapadma,
Professor and Head, ECE NIE Mysuru - Member
5. Dr. M H Kori,
Former Technical Director, Alcatel-Lucent Technologies - Member
6. Dr. H. S. Prashanth
Professor, Dept. of ECE
NITTE Meenakshi College of Engineering - Member
7. Dr. B. K. Shridhar
Professor, NIE Mysore - Member
8. Dr. Harish R.
Professor, Dept. of Engineering Physics - Member

[Handwritten Signature]
DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149



9. Dr. M. Murali Shankar,
Professor, Dept of ECE SOET CMRU - Member
10. Dr. S. Saravana Kumar
Professor, Dept. of IT, SoET, CMRU. - Member
11. Dr. Rubini P.
Associate Professor, Dept. of CSE. SoET, CMRU. - Member
12. Dr. Anup P Athresh
Associate Professor, Dept. of ME. SoET, CMRU - Member
13. Dr. Satheesha T. Y.
Associate Professor, Dept. of ECE. SoET, CMRU - Member
14. Dr. Atla Shashi Bairagi
Associate Professor, Dept. of Chemistry - Member
15. Mr. Shanthanu Singh
Assistant Professor, Dept. of Civil Engg. SoET, CMRU. - Member
16. Dr. Rajashekar Patil
Professor, Dept. of Mechanical Engineering
Secretary - Member

Members not present:

1. Mr. Naveen Kamat
IBM Technologies, Bangaluru - Member
2. Dr. N. Chandra
Senior Scientist, NAL Bengaluru - Member

Prof. S. Saravana Kumar
DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149



Due to COVID-19, the 7th BOS conducted online through Google Meet.

WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Dean, SoET of CMR University, welcomed all the BOS members for the 7th BOS Meeting and Chaired the Meeting.

Member Secretary extended a warm welcome to the members to the 7th Board of Studies meeting of the School of Engineering and Technology and started the meeting agenda by agenda.

BOS 01: REPORT on ACTIVITIES

Note: A brief report on academic activities of B.Tech and M.Tech was presented. Online classes, online webinars, online seminars, online FDP and other academic activities were conducted. Research papers, research grants, patent and Bharath V G, Mechanical Engineering Department awarded doctoral degree were presented.

Resolution: All members appreciated.

BOS 02: CONFIRMATION OF THE 6TH BoS

Note: Minutes of the Sixth Board of Studies Meeting was presented by Member Secretary BOS, SOET.

Resolution: All member confirmed the minutes of BOS meeting.

BOS 03: ACTION TAKEN REPORT ON SIXTH BOARD OF STUDIES MEETING HELD ON 26TH DECEMBER 2019.

Note: The Action Taken Report based on the Sixth Board of Studies Meeting was presented by respective HOD and concluded by Member Secretary BOS, SOET

Resolution: Approved by BOS.

BOS 04: APPROVE B.TECH SCHEME OF TEACHING AND EVALUATION (STE) AND CURRICULUM FOR THE 2017 BATCH, 2018 BATCH, 2019 BATCH AND 2020 BATCH (ODD AND EVEN SEMESTER)

Note: The STE and curriculum for 2017, 2018, 2019 and 2020 batches were presented by respective HoD's.

Resolution: Department and programme wise is as follows

Department of CSE

B.Tech (CSE)

- a) 1st Sem / 2nd Sem (2020 Batch) - 4BPH122 - Engineering Physics for CSE and IT -Laboratory experiments modified with COs and CLOs
- b) 1st / 2nd Sem (2020 Batch) - 4BCH102 - Engineering Chemistry - Change in Evaluation Scheme of Laboratory course
- c) 3rd Sem (2019 Batch) - 4BCS305 – Programming with Python – Introduction to OOP concept to be included in Module 1, instead of module 3.
- d) 5th Sem (2018 Batch) – 4BHS5A1 – Business Management for Engineers – Introduction to Financial aspects in Engineering activities should be included in Module 3 or Module 5.
- e) 5th Sem (2018 Batch) – 4BCS504 – Microprocessors – 8085 Architecture and concepts to be removed, since it has been obsoleted (Module 1 & Module 2). Instead advanced concepts of 8086, C and assembly language programming concepts can be included. (Note – If possible micro controller basics can be included).
- f) 6th Sem (2018 Batch) – 4BCS623 - Digital Signal Processing Elective subject can be replaced with Core subjects like Neural networks, Big Data analytics etc.,.
- g) 7th Sem (2017 Batch)– 4BCS741 – Optimization Techniques – More concepts pertaining to applications related Machine Learning to be added instead of mathematical concepts.
- h) 7th Sem (2017 Batch)– 4BCS733 – Quantum Computing – Electives like Block chain architectures, Parallel computing, Soft Computing, Scripting Languages can be provided to improve exposure in recent trends and technologies.
- i) 7th Sem (2017 Batch) – 4BCS733 - Quantum Computing - Changes in content of modules with COs

Department of IT

- a) 1st Sem / 2nd Sem (2020 Batch) - 4BPH122 - Engineering Physics for CSE/ IT- Laboratory experiments slightly modified with COs and CLOs
- b) 1st / 2nd Sem (2020 Batch) - 4BCH102 - Engineering Chemistry - Change in Evaluation Scheme of Laboratory course
- c) Software Project Management and Micro services can be offered as an Elective to CSE Student's to gain knowledge related to that course.

B.Tech CTIS

- a) 7th Sem (2019 Batch) - 4BCT733 - No-SQL Databases can be included as Core subject instead of providing it as an elective in 7th semester.
- b) 7th Sem 2019 Batch) – 4BCT732 – Mobile App Development – Basics of Mobile App security can be included in Module 5.
- c) 7th Sem (2019 Batch) - 4BCT703 – Security Incident Management – Indian Scenarios can be included in Module 3 or Module 4.
Include Google cloud and other Open source tools wherever it is applicable.



Department of ME

- a) 1st / 2nd Sem (2020 Batch) - 4BPH172 - Engineering Physics for ME/ CE - Laboratory experiments slightly modified with COs
- b) 1st / 2nd Sem (2020 Batch) - 4BCH102 - Engineering Chemistry - Change in Evaluation Scheme of Laboratory course
- c) 3rd Sem (2019 Batch) - 4BME302 - Manufacturing Process -1 - Module 1 and 2 to be merged and Title changed as Casting Process, Theory relevant to forging operations to be added in Module 2, Module 5: Additive manufacturing contents to be added.
- d) 3rd Sem (2019 Batch) - 4BME303 - Mechanics of Materials - Specify the demo experiments
- e) 3rd Sem (2019 Batch) - 4BHS308 - Design Thinking – I - Four Modules converted to Five Modules
- f) 4th Sem (2019 Batch) - 4BHS408 - Design Thinking – II - Four Modules converted to Five Modules
- g) 4th Sem (2019 Batch) - 4BME409 - Applied Thermodynamics - Properties of Steam, Enthalpy and Numerical to be added in Module 2
- h) 5th Sem (2018 Batch) - 4BME504 - DME-1 - Contents of Modules 1, 2, 3 4 and 5 interchanged with slight modification.
- i) 5th Sem (2018 Batch) - 4BME505 - Dynamics of Machines - Static and Dynamic force analysis to be added with same title in Module 1
- j) 6th Sem (2018 Batch) - 4BME602 - Internal Combustion Engines - Module 5: Introduction to Hybrid Vehicles: Concepts, Types and Applications to be added. Remove refrigeration experiments and add in HMT (4BME702)
- k) 7th Sem (2017 Batch) - 4BME744 - Thermal Measurements and Process Control - Module 2: Add Float level meters from Module 4, Module 4 : Change title to Measurement of Properties

Department of Civil

- a) 5th Sem (2018 Batch) – Irrigation Engineering [4BCE503] with Design of Reinforced Cement and Concrete [4BEC602] to be replaced.
- b) 5th Sem (2018 Batch) – Environmental Engineering [4BCE505] – I with Environmental Engineering to be replaced.
- c) 5th Sem (2018 Batch) – Design of Steel Structures [4BCE603] Design and drawing of RCC and Steel Structure to be replaced.
- d) 5th Sem (2018 Batch) – Environmental Engineering -II [4BCE605] – I with Design and Drawing of Irrigation Engineering to be replaced.

Department of ECE

- a) 1st / 2nd Sem (2020 Batch) - The course Making with Electronics [4BEC204/104] is taken into physics cycle (earlier in chemistry cycle) in order to have a proper sequences of topics along with Engineering Physics and Basic Electrical Course

- b) 3rd Sem (2019 Batch) - Analog Electronic Course [4BEC302] the first module Biasing and Small Signal Models for BJT and MOSFET is renamed as Introduction to BJT and MOSFET in which JFET topic has been removed since it is obsolete and review of diode has been added. The Module 3 MOSFET Amplifier and Frequency response is renamed as Frequency Response of Amplifiers and Introduction to Differential amplifier to have a prerequisite for Linear Integrated Circuit [4BEC402] course.
- c) 3rd Sem (2019 Batch) - The Panel has suggested to keep the number of text books limited to 2 in Analog Electronics Course [4BEC302].
- d) 3rd Sem (2019 Batch) - The course Digital Electronics & Vhdl Basics is renamed [4BEC303] as Digital electronics and HDL, new topics are added in the syllabus with slight modification in the contents.
- e) 3rd Sem (2019 Batch) - Few corrections in the contents of Engineering Electromagnetic 4BEC305 are suggested.
- f) 3rd Sem (2019 Batch) - Few changes in the contents of Microprocessor and Microcontroller [4BEC403] course has been suggested. In Scheme of Evaluation, case studies is added as a CCE component.
- g) 3rd Sem (2019 Batch) - In the course Instrumentation and Sensors [4BEC404] a minor change has been made in the 5th module by removing passive conditioner topic since it is already included in 4th module.
- h) 3rd Sem (2019 Batch) - In the course Signals and Systems [4BEC405] the following topics are added in Module 3: Relation between Fourier and Laplace transforms. Analysis of continuous LTI systems using Laplace. Concept of transfer function, Frequency response, Magnitude and phase response, and slight modifications in order of the contents.
- i) 5th Sem (2018 Batch) – Analog and Digital Communication [4BEC502] with Transmission line Antenna [4BEC602] has to be replaced.
- j) 5th Sem (2018 Batch) – Digital signal processing course Module 5 DSP Processors and Image processing is replaced with a New module2: Transform analysis of Linear Time – Invariant Systems: since module 2 topics are covered in Image processing course 4BEC802 and corresponding Image Processing experiment is removed.
- k) 5th Sem (2018 Batch) – Three phase topics are added in Module 3 and Module 5 of Power Electronic[4BEC504] Course to match industry standards and a new experiment on static characteristics of MOSFET has been added.
- l) 5th Sem (2018 Batch) – The course contents of Digital VLSI Design [4BEC511] is modified with adding of TCL scripting topics to match industry standards.
- m) 7th Sem (2017 Batch) – The course Wireless communication [4BEC742] an elective in 7th semester has been made as a core subject in 8th semester and replaced with wireless Adhoc Network [4BEC803]

BOS 05: APPROVE M.TECH SCHEME OF TEACHING AND EVALUATION (STE) AND CURRICULUM FOR THE 2019 BATCH (ODD AND EVEN SEMESTER)

Note: The STE and curriculum for 2019 and 2020 batches were presented by CSE HoD.

Resolution: Department and programme wise is as follows


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Department of CSE (AI)

- a) 1st Sem (2020 Batch) – 2PCC102 - Advanced Python Programming – Data visualization tools, Data access tools, more libraries to be included in syllabus.
- b) 1st Sem (2020 Batch) – 2PPC103 – Artificial Intelligence – module 2 and lab experiments to be refined with new concepts & current trends in IT.
- c) 3rd Sem (2019 Batch) - Elective - 2PPE508 – Digital signal Processing – course to be replaced with courses relevant to Machine learning and Artificial Intelligence.

BOS 06: PERMISSION TO START B.TECH PROGRAM IN [1] COMPUTER AND COMMUNICATION ENGINEERING, [2] ELECTRONICS AND COMPUTER ENGINEERING AND APPROVE STE INCLUDING CURRICULUM FOR THE 2020 BATCH

Note: Member Secretary expressed the demand for new UG Programme (CCE and E & CE) and requested for the approval.

Resolution: Department and programme wise is as follows

New UG Programme CCE and E & CE approved with modification in STE.

B.Tech (CCE)

- a) Communication related subjects (4G technologies, 5G technologies, Protocol stacks) can be included in higher semesters, however 1st / 2nd Semester courses remain same.

B.Tech (E & CE)

- a) No change in syllabus.

BOS 07: PERMISSION TO START M.TECH PROGRAM IN [1] CYBER FORENSIC AND INFORMATION SECURITY [2] INTELLIGENCE SYSTEM [3] DATA SCIENCE AND [4] CAD/CAM APPROVE STE INCLUDING CURRICULUM FOR THE 2020 BATCH

Note: Member Secretary expressed the demand for new PG Programme (CFIS, IS, DS and CAD/CAM) and requested for the approval.

Resolution: Department and programme wise is as follows

New PG Programme FIS, IS, DS and CAD/CAM approved with modification in STE.

M.Tech (DS)

- a) 1st Sem – (2020 Batch) - Elective - 4MPE104 - Database Technology – Module 1 & 2 (Traditional RDMS concepts) , Module 3,4 & 5 can be refined with No-SQL databases concepts.

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- b) 1st Sem – (2020 Batch) - Elective -4MPE108 - Design and Analysis of Experiments – Relook and replace the course with the courses like R-Programming pertaining to Data Science.

M.Tech (CFIS)

- a) Semester 1 & 2 – Should have 2 courses in Cyber forensics respectively.
b) Text book and Reference books should be cross verified pertaining to courses.
c) Electives - courses in Cyber forensics like (Video forensics, Image forensics, Evidence collection and preservance, Case studies, Scripting languages) can be included.

M.Tech (IS)

- a) 1st Sem (2020 Batch) – Advanced DBMS – Course can be replaced with courses like Cyber physical systems or other Intelligent systems relevant courses.
b) 2nd Sem (2020 Batch) - Advanced Distributed Systems - Course can be replaced Intelligent systems relevant courses.

M.Tech (CAD/CAM)

- a) 1st Sem (2020 Batch) - Mathematics for CAD/CAM – Refine the contents as per CAD/CAM domain.

BOS 08: MODIFICATION OF SYLLABUS IF ANY

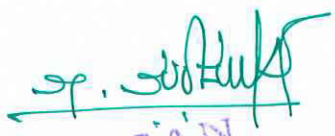
Note: Requested to change the syllabus of physics, chemistry and mathematics with COs.

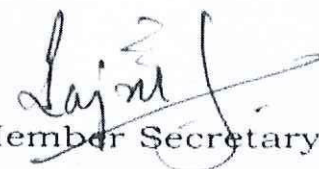
Resolution: Physics, chemistry, mathematics and BME with COs are modified.

BOS 09: ANY OTHER POINTS WITH THE PERMISSION OF CHAIR.

Nil

Finally, Pro Vice Chancellor, Dean and Member Secretary BOS, thanked all the BOS members for their presence, involvement and contributions


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Bengaluru - 562 149


Member Secretary







**Minutes of the Ninth Board of Studies Meeting
Held by School of Management on Saturday, 1st August, 2020
At 11.00 a.m., CMR University, City Campus, Bangalore**

Members present:

1. Dr. C M Bhaskar Reddy Pro Vice Chancellor of CMRU	Chairman
2. Dr Subhasree Kar . Associate Professor, Director (i/c) SOM	Member Secretary
3. Dr Sri Ram Kothapalli Professor, SOM	Member
4. Dr N.S. Viswanath Director , M.P. Birla School of Management Bangalore .	Member
5. Mr Manish Gupta Service Part Supply Manager Asia Wipro GE Health care, Bangalore	Member
6. Dr. Anitha B Assistant Professor, SOM	Member
7. Pro Rajamohan Associate Professor	Member

BOS 01: Welcome and introduction of new members by the member secretary.

Notes: Member Secretary Dr Subhasree Kar extended a warm welcome to the new members and Introduce all to the 9th Board of Studies meeting of the school of Management and welcomed honourable Pro-Vice Chancellor Dr Bhasker Reddy as the Chairman of the 9th Board of Studies .

Pro Vice Chancellor Dr Bhaskar Reddy welcomed all to the 9th Board of Studies meeting of the school of Management.

BS 02 : Confirmation of the Minutes of the 8thBoard of Studies Meeting held on 22nd November , 2019 .

Notes: To confirm the Minutes of the 8th Board of Studies Meeting held at CMR University Campus on 22nd Nov 2019 .

BS 03 To report action taken on the Minutes of the 8thBoard of Studies Meeting held on 22nd November, 2019.

Note:

- 3.1 The action taken report on the minutes of the 8th board of studies meeting was placed in front of the Board of Studies members and reviewed by the members.
- 3.2. Members appreciated the efforts made by the team. Members also suggested the following measures in view of required improvements in the future.
 - i) BBA (H) with functional specialisation should be started.



- ii) To start only one Diploma course on "Diploma in Predictive Analysis" can be experimented with proper market feasibility study.
- iii) A list of new programmes and PG diplomas were proposed based on industry requirements. Members suggested to do a feasibility study of the market and come up with a short list of most relevant programmes that have demand to attract students and also placement opportunities with the industry.
- iv) The proposed Centre of excellence for executive Learning (HAMSA). They liked and approved the concept and the name.
- v) Question patterns can be modified with basic, functional and application oriented questions. One Case study Question is Compulsory for both UG and PG programs in Section C. CMRU.
- vi) To have both internal and external examiners in the panel of examiners and for viva.
- vii) Evaluation pattern of the IAT and CCE should be rigorous and relevant. Different evaluation patterns should be introduced for specific courses. For core/papers a standardized pattern should be introduced, functional courses should have different pattern and in the application oriented courses free hand should be given to the concerned subject teacher to set the evaluation pattern.

Resolutions:

- i) BBA (H) with Marketing Management, Financial Management, Human Resource Management specialisations.
- ii) Plan for the certification course is in Progress. For the III Semester MBA and VI semester BBA we are going to provide Predictive Analysis under Data Analytics tied with IBM.
- iii) CMRU is introducing the BBA (Information technology) and in PG new Specialization extensions are planned to be offered in Information Technology, Digital Marketing & Tourism Management along with the other specialisations of Finance Management, Marketing Management and Human Resource Management. We are planning for new certificate courses on AI & ML, Data Science and Cyber Security and Digital Forensics.
- iv) The MDP Centre of the University is under progress for operation.
- v) We have planned for the advised pattern. From the next Semester onwards will implement.
- vi) Which we including new names for the Panel of Examiners and from this academic year onwards will call external members for viva.
- vii) This time well in advance we have planned for CIE component very rigorously following specific patterns for specific courses.

BOS 04: Academic Events and other developments in School of Management in the current the academic year.

Notes: Dr Subhasree Kar presented a report on various activities, events conducted in the last semester and the proposed plans for the coming semester by the school of Management for the current academic. All the members appreciated the team for successfully conducting and participating in the academic events.

Resolution:

BOS 05: To consider and approve the following

Notes:

- 5.1 Introduction of New programme (BBA IT /Certification programmes)
- 5.2 Review and modification of Existing programmes & courses.
- 5.3 Review & Suggestion on Scheme of Teaching and Evaluation based on OBE.
 - A. Online Semester and new approach to teaching.
 - B. Introduction of Innovative Pedagogy (Leveraging Technology)
 - C. SEE and IAT Question Pattern for UG/PG Program. (Mapping of COs and POs)
- 5.4 Internships/Field Work

5.5 To consider and approve the list of Panel of Examiners for the year 2020-2021.

Resolution:

5.1 Introduction of New programmes (BBA IT /Certification programmes)

Notes: To consider and approve Scheme of Teaching & Evaluation and Curriculum for the BBA IT programmes (academic year 2020-21)

Resolution:

5.1.1 The Course Matrix for the new Program on BBA IT was shown to the board for discussion. The members of the board raised questions on the IT related courses and suggested to check the applicability of Python programme in managerial decision making. Pure coding on the Python is not going to serve the purpose for management students. They advised not to start the course immediately during this pandemic and suggested restructuring the IT courses in the programme once again before implementation and approved the programme. The proposed Certification Courses are well received by the members.

5.1.2. The new initiation from the CMR University – the inclusion of Life Skill as a one credit course was shared to the members. The courses and evaluation schemes of Finishing school skills, Aptitude skills and Communication skills were appreciated and approved.

5.2 Review and modification of Existing programmes & courses.

Notes: To consider and approve the modifications in the existing curriculum for the following courses for the Academic year 2020-21.

1. BBA
2. BBA (H)
3. MBA

5.2.1 The reviewed and modified courses of BBA 2018 batch programme along with HR, Marketing and Finance specialization were presented before the board members. The members well appreciated the changes in the program structure and approved the curriculum. They also appreciated all the specialization courses and particularly the supply chain management course they felt was need of the industry requirement in present situation.

5.2.2 The reviewed and modified changes in credits system, course names and modules of few courses (BBA 2018, 2019, and 2020 batches) were presented before the board. The members of the board were also informed about the reason for reduction in the total credits to 122. The board accepted the changes made in the credit system, course names and modules of few courses. They also appreciated the introduction of Negotiation skill, Supply chain management, Employee relationship management and International Human resource management syllabus. The board members expressed special appreciation for including Contract and agreement module in Legal aspects of Business course which will going to help the managers in future.

5.2.3 The new specialization courses of MBA were presented before the board for suggestion and approval. They were overwhelmed to see the courses on

1. Digital Marketing
2. Information Technology
3. Tourism Management.

The board appreciated the extension of electives of MBA program. Members suggested to analyse the situations in the coming six months, to understand the impact of COVID 19 on Tourism market conditions and to include the developments in the Tourism course.



5.3 Review & Suggestion on Scheme of Teaching and Evaluation based on OBE.

Note:

To consider and approve reviewed scheme of teaching and evaluation based on OBE.

A. Online Semester and new approach to teaching.

B. Introduction of Innovative Pedagogy (Leveraging Technology)

C. SEE and IAT Question Pattern for UG/PG Program. (Mapping of COs and POs)

Resolutions:

5.3.1 Online Semester and New approaches to learning for the upcoming semester was discussed with the members. They were pleased to know about our future plans.

5.3.2 The rigorous process of developing teaching and evaluation schemes based on Outcome Based Education and innovative pedagogy was presented before the board. The board appreciated the actions taken by management and staff introducing new scheme of teaching and evaluation based on OBE. The members were briefed about the Orientation program arranged by the University to impart online teaching in an effective way leveraging technology. They appreciated the initiation of the University towards this.

5.3.3. The changed scheme of SEE & IAT question paper pattern for UG/PG programme mapping COs to POs was discussed with the board members. The change in the pattern of question paper with a scope for better mapping of Cos and Pos will be implemented from the next semester onwards. The board members appreciated the initiative of assessing the students potentials based on OBE.

5.4 Internships/Field Work

Notes: The board was requested for suggestion to give some inputs on the conduction of Internship for the BBA and MBA students due to the ongoing pandemic situation in the society.

The board suggested to take the help of alumni students, placement office for helping students to get internship. They also suggested to take up group internship if students were not able to get individually. On extreme unavoidable situation, students were suggested to take up online courses in Coursera, Swayam, Udemy and MOOC programme.

5.5 To consider and approve the list of Panel of Examiners for the year 2020-2021.

Notes: Member Secretary briefed the inclusion of external examiners in the panel. This was approved by the board of members.

Resolution: To invite external examiners in the Viva Voce was emphasized.

BOS 06: To ratify and approve the Online Examination and Question Paper.

Note: The changes adopted in Semester End Examination pattern for 2017 BBA and 2018 Batch MBA because of the Covid Situation was brought to the notice of the board of studies. They were given an overview of the the Ekalavya Platform for conducting online SEE. The board please to know about the mode of conduction of the exam.

The Pattern of examination for conducting the semester end Examination online which is of 50 marks with both objective and subjective questions was shown to the members and they were happy with the pattern.


Resolution: Board members were pleased to know about the online examination.

BOS 07: To ratify and approve for allowing students to write backlog from 2014- 2016 and 2017 batch as onetime measure due to COVID 19 Pandemic.


BOS 08: Any other subject with the permission of the chair

Note: There was no agenda item to be discussed.

The meeting was concluded with a note of thanks to all the members for their contribution and whole hearted support with the valuable inputs. The external members complemented the team to be in right direction choosing the right kind of courses that have enough potentials to attract the students and provide employable opportunities in near future.


Dr Subhasree Kar.

Dr Subhasree Kar.
Member Secretary
9th Board of Studies
School of Management
CMR University

Handed over
Dr Subhasree Kar

4th Jan 2021



**Minutes of the Ninth Board of Studies Meeting
Held by School of Management on Saturday, 1st August, 2020
At 11.00 a.m., CMR University, City Campus, Bangalore**

Members present:

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2. Dr Subhasree Kar . Associate Professor, Director (i/c) SOM	Member Secretary
3. Dr Sri Ram Kothapalli Professor, SOM	Member
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Resolutions:

- i) BBA (H) with Marketing Management, Financial Management, Human Resource Management specialisations.
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BOS 05: To consider and approve the following

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- 5.1 Introduction of New programme (BBA IT /Certification programmes)
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- 5.4 Internships/Field Work

5.5 To consider and approve the list of Panel of Examiners for the year 2020-2021.

Resolution:

5.1 Introduction of New programmes (BBA IT /Certification programmes)

Notes: To consider and approve Scheme of Teaching & Evaluation and Curriculum for the BBA IT programmes (academic year 2020-21)

Resolution:

5.1.1 The Course Matrix for the new Program on BBA IT was shown to the board for discussion. The members of the board raised questions on the IT related courses and suggested to check the applicability of Python programme in managerial decision making. Pure coding on the Python is not going to serve the purpose for management students. They advised not to start the course immediately during this pandemic and suggested restructuring the IT courses in the programme once again before implementation and approved the programme. The proposed Certification Courses are well received by the members.

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The board appreciated the extension of electives of MBA program. Members suggested to analyse the situations in the coming six months, to understand the impact of COVID 19 on Tourism market conditions and to include the developments in the Tourism course.



5.3 Review & Suggestion on Scheme of Teaching and Evaluation based on OBE.

Note:

To consider and approve reviewed scheme of teaching and evaluation based on OBE.

- A. Online Semester and new approach to teaching.
- B. Introduction of Innovative Pedagogy (Leveraging Technology)
- C. SEE and IAT Question Pattern for UG/PG Program. (Mapping of COs and POs)

Resolutions:

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The board suggested to take the help of alumni students, placement office for helping students to get internship. They also suggested to take up group internship if students were not able to get individually. On extreme unavoidable situation, students were suggested to take up online courses in Coursera, Swayam, Udemy and MOOC programme.

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Resolution: To invite external examiners in the Viva Voce was emphasized.

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Note: There was no agenda item to be discussed.

The meeting was concluded with a note of thanks to all the members for their contribution and whole hearted support with the valuable inputs. The external members complemented the team to be in right direction choosing the right kind of courses that have enough potentials to attract the students and provide employable opportunities in near future.


Dr Subhasree Kar.

Dr Subhasree Kar.
Member Secretary
9th Board of Studies
School of Management
CMR University

Handed over
Dr Subhasree Kar

4th Jan 2021

VIRTUAL BOARD OF STUDIES MEETING
AY 2020-21 : BOS 03

SCHOOL OF SCIENCE STUDIES

Date : Saturday, 31st August, 2020
Time : 10.00 a.m.

The following members were present:

- | | |
|--|----------|
| 1. Dr. Bhasker Reddy
Pro Vice Chancellor
CMR University, Bangalore | Chairman |
| 2. Dr. Chitra Ravi
Head of Department
Department of Computer Science
MLA College for Women, Bangalore | Member |
| 3. Mr. Kiran Gururaj
Senior Director
Symphony Retailal | Member |
| 4. Mr. Aniruddha Joglekar
Head of Department
SEAMEDU
Pune | Member |
| 5. Mr. Rajkumar M
Senior Software Engineer
Zynga Games Network India Pvt. Ltd. | Member |
| 6. Ms. Manasi Raut
HOA
SEAMEDU
Pune | Member |
| 7. Mr. Rohit Tembe
Creative Head and Photography
Finnovation Tech Solutions Pvt. Ltd
Bangalore | Member |
| 8. Mr. Sameer Talwalkar
Senior HOA
SEAMEDU
Pune | Member |

9. Mr. Virendra Valsangkar Director Filmmaker	Member
10. Mr. Abid Shaikh HOA SEAMEDU Pune	Member
11. Mr. Anoop Chaphekar Studio Head Toolbox VFX Studio	Member
12. Mr. Puneet Samtani HOA SEAMEDU Pune	Member
13. Mr. Ahitagni Dasgupta Mixing and Mastering Engineer Studio Designing	Member
14. Mr. Dilip Achtni Director, SEAMEDU	Member
15. Prof. Jayanthi M	Member
16. Prof. Rameshkumar K	Member
17. Prof. Rajesh Dharan	Member
18. Prof. Chandan B S	Member
19. Prof. Sunil Gandhi	Member
20. Prof Nithya Nair	Member
21. Shishir Siri	Member
22. Prof. Suja Bennet	Member Secretary

Proceedings

Agenda 1: Welcome and Introduction by the Member Secretary

- 1.1 Member Secretary Prof. Suja Bennet heartily welcomed the members and the special invitees to the Board of Studies Meeting of the School of Science Studies. She then introduced the new members to the Board.
- 1.2 Secondly, she introduced the context of the meeting and explained that programme wise BOS would be proposed to the upcoming Academic Council. Members welcomed and appreciated this move initiated by the Honourable Vice Chancellor for better conduct of the BOS.

Agenda 2: Welcome by the Chairperson

- 2.1 Chairperson, Dr. C M Bhaskar Reddy heartily welcomed the members and the special invitees to the Board of Studies Meeting of the School of Science Studies. He requested the BOS members to give their valuable suggestions to improve the quality of the curriculum so it would be in par with current industry requirement which in turn would benefit our students.

Agenda 3: Confirmation of the previous Minutes of the Meeting AY 2019-20: BOS 02

- 3.1 The minutes of the previous board of studies meeting AY 2019-20: BOS 02 held on 7th December, 2019 were placed before the members.

Agenda 4: To consider and approve

- 4.1 Reviewed the curriculum presented for the new programme B.Sc (Game Art and Design) to be introduced in the Academic year 2020-2021.
- 4.2 Reviewed the introduction of Life Skills for semesters II to V in the Academic year 2020-2021(BCA) and for V Semester for Batch 2018(BCA) . Life Skills to be incorporated as a credit in each of the semesters which is in line with the National Educational Policy.
- 4.3 Moving into the Objective Based Education which is in light with the Washington Accord. UGC and NAAC has insisted the introduction of OBE for higher learning. We would be getting into OBE from the academic year 2020-2021.
- 4.4 Academic session 2020-2021 would start on the online mode. Our major platform would be

Google Meet and Google Classroom. Add on tools will be used to make the teaching learning very effective.

- 4.5 As per the UGC regulation, VI Semester SEE would be Online Examination mode. The examinations would be starting from 10th August, 2020.

Agenda 5: Presentation of syllabus and proposed modification in the Curriculum:

5.1 BCA General

Batch 2018- 2021

- 1 credit introduced for Life Skill in the V Semester
- Electives introduced in the V and VI semesters

Academic year 2020- 2021

- Proposed to retain the I ,II III and IV Semester Syllabus of Batch 2019-2022
- 1 credit introduced for Life Skill from the II Semester

Modifications :

- A few more programs are added to II Semester Database Management lab.

Continuous Internal Evaluation

Since now we are in the Online / Blended Mode of teaching, we have introduced different components under the Continuous Internal Evaluation.

Continuous Internal Evaluation (CIE) Scheme: 50 Marks

Note:

- **Eligibility criteria to appear for SEE: 40% in CIE.**

Components	Average of IATs	CCE	Total Marks
Max Marks	20	30	50

CCE Components

SL. No.	Component	Marks	Description
1	Assignment	10	2 assignments average of the 2 Assignments
2	Quiz	10	Every Class a self assessment MCQ is conducted with 10 questions
3	Cross words	10	solving the crossword puzzle with keywords
4	Student Seminar	5	Student seminar on choice of the student on any topic in the course. it is recorded by the student and posted in the classroom
5	Coding and Debugging	5	Code snippets are asked to be written or debug the given code
6	Question and Answer	10	short questions for 10 marks given

5.2 BCA Game and Mobile Software Development

Batch 2018- 2021

- Proposed to retain the V and VI Semester of Batch 2017-2020

Batch 2019 - 2022

- Proposed to retain the III and IV Semester of Batch 2018-2021

Batch 2020 - 2022

- Proposed to retain the I and II Semester of Batch 2018-2021

Batch 2021-2023

Proposed to change the Program name from BCA Game and Mobile Software Development to BCA Game Development.

5.3 B.Sc. Film Making

Batch 2018- 2021

- Proposed to retain the V and VI Semester of Batch 2018-2021

Batch 2019- 2022

III Semester :

Changes :

- Moved Script Writing for Moving Images In II Semester to III Semester.

New Courses Added:

-

IV Semester

Modifications:

- In II Semester modified content in Studio Lighting and its types - II
- Subject Name and code changed :Introduction to Sports, Event and Wedding Photography (Practical)

Batch 2020- 2021

I Semester

New Courses Added-

- Camera and Lighting- I introduced as a new Course

Changes

- Moved Pre-Production Techniques from 2nd semester to 1st semester ,credit distribution changed from 3-0-1 to 2-0-1 .
- Syllabus content modified in Introduction of Media.
- Media Technology

II Semester

New Courses Added

- Film Studies I introduced as a new Course
- Media Psychology introduced as a new Course
- Post Production I (Premier Pro) introduced as a new Course

Changes:

Moved Media Aesthetics from 1st semester to 2nd second semester

5.4 B.Sc. Photography

Batch 2018-2021

Proposed to retain V and VI Semester Course Structure.

Batch 2019-2022

III Semester:

New Courses added:

- Digital Image Processing(Practical)
- Photojournalism and Documentary Photography (practical)



Modifications

- Subject name and code change : Studio Lighting and its types – II
- Subject Name and code changed : Introduction to Sports, Event and Wedding Photography (Practical)

Batch 2020-2023:

I Semester

New Courses Added

- Media Technology added
- History of Photography with credit distribution of 3-1-0 to 3-0-2.
- Fundamentals of Photography distribution changed from 3-1-0 to 3-0-2.

Modification:

- Modified the content in the course Introduction to Media.
- Media Technology

Movement:

- Moved Pre-Production Techniques from 2nd semester to 1st semester, credit distribution changed from 3-0-1 to 2-0-1 .

II Semester

New Courses Added:

- New Course introduced Media Psychology.
- New Course introduced Digital Imaging I.
- New Course introduced Fundamentals of Composition.
- New Course Color Theory and Psychology added.

Movement of Courses:

- Moved Media Aesthetics from I Semester to II Semester.

5.5 B.Sc. Sound Engineering

Batch 2018 -2021

- Proposed to retain the V and VI Semester.

Batch 2019- 2022

- Proposed to retain the III and IV Semester of Batch 2018-2021

Batch 2020- 2021

I Semester

New Courses Added:

Movement :

- Moved Pre-Production Technique from II Semester To I Semester.

Modified:

- The Syllabus content of Introduction of Media is modified.
- Media Technology

II Semester:

New Courses Introduced:

- Media Psychology
- Digital Audio Technologies
- Music Recording and Mixing Techniques

Movement:

- Moved Media Aesthetics from I Semester to II Semester.

5.6 B.Sc. Visual Effects and Animation

Batch 2018-2021:

The following courses was framed and proposed for V and VI Semester.

V Semester Courses Included

- Dynamics
- Lighting and Rendering
- Video Editing
- Advance Compositing II
- Project- Animation and Visual Effects
- Summer Internship Project(In-Company work, Report Work, Report & Presentations)

VI Semester Courses Included

- Internship Project (In-company Work, Report & Presentations)
- Project - Post Production
- Disaster Management.
- VFX / 3D Demo reel

AY 2020-2023

- Proposed to retain the I, II, III and IV Semester of AY 2020-2023.

5.7 B.Sc. Game Art and Design

Proposed to retain the proposed I and II Semester of Batch 2020-2023 approved in 2019 BOS.

Agenda 6: To consider and approve the panel of examiners for the Odd Semesters 2020- 21

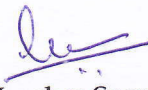
- 5.1 The board approved the panel of examiners for the Odd Semesters of the Academic Year 2020-21 that was presented.

Resolution 1: Panel of Examiners approved for the Odd Semesters of the Academic Year 2020 - 2021.

Agenda 7: Any other matter with the permission of the Chair

- 7.1 There were no further points raised for discussion

The meeting concluded with the Vote of Thanks by Prof. Radha Shridharan.


Member Secretary

**Minutes of the Ninth Board of Studies Meeting
Held by School of Architecture on Monday, 19th of June, 2021
At 10:30 am, held offline**

Members present:

1. Dr. Suresh K Reddy (Chairperson)
2. Prof. A.G Rao (Member)
3. Ar. Sanjay Mohe (Member)
4. Ar. Dinesh Verma (Member)
5. Dr. K S Anantha Krishna (Member)
6. Ar. Anup Naik (Special Invitee)
7. Dr. Bhaskar Reddy (Pro Vice Chancellor, CMRU)
8. Dr. Praveen (Registrar, CMRU)
9. Dr. Suja Bennett (Dean Academics, CMRU)
10. Prof. Muralidhar K (Member secretary & Director, CMRUSOA)
11. Ar. Anand Kurudi Rao (Faculty, CMRUSOA)

10:30 am

BOS 01: WELCOME THE MEMBERS, READ AND RECORD THE AGENDA BY THE CHAIRPERSON

Notes: The Chairperson welcomed all the members to the 8th meeting of BOS in Architecture. The meeting proceeded in a sequential manner, as per the agenda presented.

10:35 am

BOS 02: TO CONFIRM THE MINUTES OF THE 7TH BOS MEETING HELD ON SATURDAY, THE 27TH JULY 2020

Notes: The director presented and briefed on the minutes of the 7th meeting of the BOS held on July 27, 2020.

10:40 am

BOS 03: TO REPORT ACTION TAKEN ON THE MINUTES OF THE 7TH BOS MEETING HELD ON SATURDAY, THE 27TH JULY 2020.

Notes:

- The director presented and elaborated the points of the Action Taken Report of the 7th meeting of the Board of Studies in Architecture.

- Ar. Dinesh Verma agreed and stressed on the need for the Architectural reflective writings. And furthermore, in order to encourage the students, he suggested that these writings could be shared with him or his group to be published in the IIID magazine. This will also boost the fact that whatever they are writing is not only for academics but also has the possibility of being published and recognized by the architectural and design fraternity.
- Dr. Anantha Krishna raised a doubt regarding the dissertation, that whether it is good idea to combine the preparation for the thesis with the dissertation, as the primary objective for dissertation is mainly to give an opportunity to the student to make a critical enquiry about a topic of his/her interest and has got a clear cut agenda. To this the director explained that the idea is to retain the core agenda of the dissertation, but exploring how can we relook at the outcome. It is also to look at how the outcome can become something of a smaller scale without diluting the course objectives. Therefore, the idea is to familiarize the students with different research methods and methodologies in the first half of the course and towards the end the course could introduce the Architectural Design Thesis.
- Ar. Sanjay Mohe queried whether the dissertation is connected to the Thesis, to which the director clarified that as per the resolution of last BOS meeting, Dissertation was supposed to be open-minded and need not necessarily lead to the Thesis in the next semester.
- Ar. Anup Naik also expressed similar concern as to how is the school then planning to blend both these courses together. The director elaborated on this further, that when the dissertation course was offered as recommended by the BOS, it was observed that the learnings from the course were not applied into their Design Thesis. Therefore, the director requested for more inputs from the BOS on how this can be done.
- In regards to the above inputs Ar. Sanjay Mohe pointed out that most of the times these research doesn't get translated into converted into reality. The link between research and its application into design is missing. Therefore, Ar. Sanjay Mohe suggested that the overlap between the dissertation and the Thesis could possibly be used to bridge that link.
- Dr. Anantha Krishna agreed to this point and further suggested that whatever research is done in the dissertation can be directed towards real problems rather than very generic topics. Therefore, the orientation can be changed, both from the faculty side and the student to choose a topic that addresses practical problems. Furthermore, if as a school we direct these topics, then it will be even more helpful and meaningful to publish such topics addressing practical real life problems in magazines like IIID as suggested by Ar. Dinesh Verma previously.

- Ar. Dinesh Verma raised a concern that this course can only be done by dedicated staff with research mind and a background. Secondly, at an undergraduate level, the school should be clear about the nature and the depth of research undertaken by the students. Therefore, from the school side a lot of deliberation and detailing out of the course needs to be done before handing it out to the students. Ar. Sanjay Mohe added that the course need not primarily depend on writing skills. Instead the students should be encouraged to communicate through drawings, sketches and other such media. Therefore, the aim is keeping the idea of research and translating words into creations. Ar. Anup Naik taking the example from one of their dissertation studios suggested that the students can be given a simple a quick design exercise within the dissertation, wherein the students are encouraged in the creation of idea-making.
- The director at this point raised the concern that the course will have to be worked out based on the number of credits it has been allotted also keeping in mind the fact that the students have a lot of other courses that the students have.
- Ar. Anup Naik and Ar. Sanjay Mohe in agreement to Ar. Anup Naik raised the point that the role of faculty is going to be very crucial in identifying the type of intelligence that the student has and accordingly them in their research within their capabilities.
- Ar. Anup Naik suggested that some preliminary tests or workshop can be held in the beginning of the course to identify the intelligence or the interest of the students.

Resolution: The school needs to detail out the dissertation course taking into consideration the fact that the outcome should be addressing practical problems. Dedicated research oriented faculty will be needed to guide the course.

10:45 am

BOS 04: TO APPROVE THE PROPOSED SCHEME OF TEACHING AND EVALUATION (STE) FOR I TO X SEMESTER B-ARCH BASED ON THE 2020 COA REGULATIONS FOR 2021-22 BATCH

Notes:

- The director presented the proposed Scheme of Teaching and Evaluation for I to X semester based on the 2020 COA regulations for 2021-22 batch. The director also explained the change in credit structure with regards to the new credit calculations sent by the COA. The director also proposed to make the total credits for the B.Arch. program to be 260 credits from 270 credits.

- Ar. Anup Naik queried on how the school managed to adjust and remove the 10 credits. To which the director explained that due to the change in the credit calculation most of these credits got adjusted in the Architectural Design Studios (From 10 credits to 8 credits).

11:10 am

BOS 05: TO RATIFY THE PROGRAM STRUCTURE FOR THE 2020-21 BATCH

Notes:

- The director went through the curriculum for the 2021-21 batch students. The detailed syllabus for the first and second semester was also presented. The director also explained the new format for the detailed syllabus and the new additions in the format can help detail the course.
- Ar. Anup Naik if the school had any mode of evaluation such as rubrics etc. to which the Director and Dr. Anantha Krishna explained that the rubrics is part of the Outcome Based Education (OBE) which is generally followed by the engineering schools and the relevance and success of the OBE model in Architectural education is still not laid out by the COA.
- Adding to this point Prof. A G Rao referring to Donald Schon, the Architectural education is the best model that every school can follow. The aim for the school should be developing the ability to learn.

11:25 am

BOS 06: TO APPROVE THE MODIFICATION IN THE STE OF III SEMESTER TO X SEMESTER OF BATCHES 2017, 2018, 2019 AND 2020

Notes:

- The director presented the five courses and the changes the school is proposing for these courses. The changes majorly with respect to the shift of assignment based evaluation from a question and answer format for the SEE evaluation. This model was tried for the current semester's SEE evaluation which was presented in the later agendas.
- With regards to the Sociology and Economics courses, the director explained the addition of various topics like understanding the UN SDGs etc. and addition of relevant references like cradle to cradle etc.
- The director then requested the BOS for inputs regarding these changes.
- Ar. Anup Naik appreciated the move made by the school to make these changes and how important these changes are. He suggested including developmental economies and the role of circular economies as well.

- The director also explained the addition of pre-requisites for the working drawing course, and one of the major pre-requisite for the course being the knowledge of softwares such as AutoCAD. Dr. Anantha Krishna appreciated this point and added that the addition of these pre-requisites will make them more ready for the internship in their next semester.
- Ar. Anup Naik wanted to clarify if the working drawing course is going to be a CAD based course. To this the director, shared the experience from previous batches with respect to rhino and the problems these students faced during internship for not knowing 2D drafting. Hence, the school decided to incorporate 2D drafting as well in the computer applications course.

11:40 am

BOS 07: TO RATIFY THE CERTIFICATE COURSES PROPOSED BY SOA FROM THE ACADEMIC SESSION 2021-22.

Notes:

- The director the three certificate courses proposed by the school for the academic session 2021-22. The courses put forth by the school are as follows:
 1. Certificate course in Serigraphy
 2. Certificate course in Etching and Aquatint
 3. Certificate course in Additive and Subtractive Manufacturing
- Ar. Sanjay Mohe asked more elaboration with regards to the course on Additive and Subtractive manufacturing as to the process followed, is there sketching involved etc. The director elaborated on this point and also pointed out certain problems faced due to the online mode of education.
- Ar. Anup and Naik and Ar. Sanjay Mohe suggested referring to books and series like Art of Noticing, BBC series called Art of Seeing etc.

11:45 am

BOS 08: APPROVAL OF PANEL OF EXAMINERS (POE) FOR ACADEMIC SESSION 2021-22

Notes:

- The director presented the panel of examiner (POE) for the academic session 2021-22.
- The BOS approved the panel presented.

11:46 am

BOS 09: APPROVAL OF CALENDAR OF EVENTS (COE) FOR ACADEMIC SESSION 2021-22

Notes:

- The director presented the Calendar of events (COE) for the academic session 2021-22.
- The BOS approved the Calendar of Events.

11:48 am

BOS 10 a) : BRIEF REPORT ON CONDUCT OF SEMESTER END EXAMINATION AS PER THE ADVISORY OF COA.

Notes:

- The director explained how the school conducted the Semester examination (SEE) as per the COA advisory outlining the various challenges and how the school tackled these challenges without disturbing the sanctity of the examinations. And also how having the assignment based evaluation was a great learning and the possibility of continuing these learnings into future semesters.
- Then the director presented some sample of these assignments from various courses.

11:50 am

BOS 10 b) : INITIATION OF THE STUDIO COMMITTEE FOR ARCHITECTURAL DESIGN IN ORDER TO ENHANCE HORIZONTAL AND VERTICAL INTEGRATION.

Notes:

- The director introduced the various initiations done by the constituted studio committee, highlighting some of the points such as, the core focus of each studio being a cause-driven or issue-driven rather than being program-driven. The director also supported this statement with the help some examples.
- Ar. Sanjay Mohe reacted to this statement by agreeing that cause-driven is an appropriate approach and this could lead to a program. This could be the point where the horizontal integration can line up and the program can also develop taking into consideration the other courses and their contribution towards the studio.

- Ar. Anup Naik queried if each student will be choosing their own cause or will the cause be given from the faculty side. To this the director explained that the design committee will formulate the core focus and the learning objective, based on this the studio teams will select the cause or issue to be addressed and then accordingly develop the program.
- Further with respect to the conducting of the studios, Ar. Anup Naik wanted to clarify if there is going to an overall theme or cause across all the semesters, and that the scale of the project changes according to the semester level. The director clarified that this should ideally be the situation, but due to the variation in the studio faculty and their different skill-sets, this may not be feasible. Ar. Anup Naik further added that perhaps this could be help in creating a whole repository of works and ideas created for a particular theme or cause.
- Ar. Sanjay Mohe raised a concern that searching for the right issue is going to very challenging and advised that the faculty shouldn't get carried by the issue that the design is lost or gets very complicated.
- Ar. Anand Kurudi upon the director's request elaborated further on how this proposal was one of the ways of bridging the gap between the intensive study and research that is done within the studio and the actual design proposals that the students come up with.
- Prof. A G Rao added that the idea of auditing also needs to be thought of.
- The director explained to the BOS about the reflective sessions conducted by the studio committee.
- Ar. Dinesh Verma wanted to understand the challenges of conducting the design studios online, and the learnings from the past one year. To this Ar. Dinesh Verma suggested jotting down the inputs from the past year's experiences and then accordingly planning for the coming semesters.

Resolution: The school to take in the given suggestions and accordingly work on developing the AD studios.

12:10 pm

BOS 10 c) : OBSERVATIONS ON THE BUILDING CONSTRUCTION AND MATERIALS COURSES.

Notes:

- The director called upon prof. Chandrabhanu to explain some of the observations made by the faculty with regards to the Building Construction and materials courses. Prof. Chandrabhanu presented these observations and some of the initial suggestions done by the faculty.

- The director also explained the idea was to gradually increase their knowledge rather than abruptly jumping from one topic to the other.
- Ar. Dinesh Verma with respect to the facades, suggested including so many other materials rather than just the common material. This need not be defined in the syllabus as such. The material can be anything that is existing or which may come up in the future.
- Ar. Anup Naik suggested that in Façade cladding, the systems should be more focussed rather than the materials. The façade system is a key component, material is just an application.
- Ar. Anup Naik also suggested that it might be worthwhile to consider dedicating each semester in understanding one particular material holistically, rather than touching upon that material in various
- Ar. Anup Naik also raised a concern that the topics such as cabinetry etc. should not be entirely missed out; rather it could be moved up along with the topics related to timber in the lower semesters. In this way one material can be holistically in one semester.
- To this the director added perhaps this suggestion can be connected to the design studios as well. For example, if the B.C.M. for one semester is dealing with Timber, then the design studio for that semester can take Timber as a criterion for setting up the design problem.
- Ar. Sanjay Mohe elaborated on Ar. Anup Naik's suggestion that a particular material can be selected and its application can be studied across all the building elements and every possible usage of it in the building construction. He also suggested that certain books can be referred and probably someone can talk about the material starting from its properties to its application.
- Ar. Dinesh Verma wanted to understand how the planning is done to make the students feel the material. The director explained how the school attempted this, by sharing the experiences and the learnings from some of the exercises given to the students in various courses.
- Ar. Dinesh Verma queried if the school has a place where all the materials and their samples are collected. The director responded by stating that the school has a material library. Ar. Dinesh Verma stressed on the importance of this and how it is necessary to understand the difference between various materials.
- Ar. Anup Naik suggested that the Building Construction and Materials courses can also be understood in the aspect of cradle – to – cradle. The course could focus the aspect of reuse and recycling of the material, it's embodied energy, etc.

- The director appreciated this suggestion and how the parts-purposes and complexities exercise done in the foundation workshop course can aid the B.C.M. courses. The director also explained the various efforts made by the school to incorporate this, but somewhere it is lagging due to the compartmentalisation of systems, concepts and philosophies into Architecture, Non-Architecture, Product design etc.
- Ar. Sanjay Mohe also suggested that for example when the topics of doors and windows are being discussed, the approach towards the course could be about discovering what door is. The material can be applied later.
- Ar. Anup Naik suggested some of the up cycling labs can be brought in to do a one week workshops etc. Prof. A G Rao agreed and elaborated on the point raised by Ar. Sanjay Mohe and that this could be a model that can be implemented on teaching in Architectural education itself.

Resolution: The school to work on these suggestions and incorporate them in the B.C.M. courses.

12:35 pm

BOS 10 d) : ACTIVITIES OF THE FULL-SCALE 108 AND 109 WORKSHOPS

Notes:

- The director presented the activities of the Full-scale workshops and the how the issues of Online mode were tackled in the conduct of the workshops.

12:55 pm

BOS 10 e) : TO PRESENT THE EXPERIENCE OF ONLINE TEACHING FROM THE PREVIOUS SEMESTER

Notes:

- The director presented the experience of online teaching by sharing the experience of the horizontal integration and the vertical integration for the foundation batch. The director also presented the experience of conducting the electives in the online teaching mode.
- The BOS appreciated the various courses that are being offered as electives.

1:00 pm

BOS 11 : ANY OTHER SUBJECT WITH PERMISSION OF THE CHAIR

Notes:

- The Director invited the members of the board to raise any other issue or topic of relevance for further discussion.
- No further subjects were raised. The Director thanked the members for their valuable inputs and also thanked Dr. Suresh Reddy for being the Chairperson.

MEMBER SECRETARY

Minutes of the Ninth Board of Studies Meeting
Held by School of Economics and Commerce on Saturday day, 1st August 2020
At 2.00 p.m. in the Google Meet, Bangalore

Members present:

- | | |
|--|--------------------|
| 1. Dr Bhaskar Reddy, Pro Chancellor, CMR University. | - Chairman |
| 2. K. Raghu, Chattered Accountant, Raghu and Raghu Company, Bangalore. | - Member |
| 3. Dr Ramesh, Professor, Mount Carmel College. | - Member |
| 4. Dr. Eshwara Reddy, Associate Professor, SOEC, CMR University | - Member |
| 5. Dr Abhijit, Assistant Professor, SOEC, CMR University. | - Member |
| 6. Dr. Nanditha Barua, Assistant Professor, SOEC, CMR University. | - Member |
| 7. Dr M.S. Annapoorna, Professor, Director i/c SOEC, CMRU. | - Member Secretary |

Members on Leave:

1. NIL

BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Notes: All the BOS Members were welcomed and Introduced by the Chairperson

Resolution: NIL

BOS 02: CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Notes: The minutes of the 8th BOS held on Wednesday, 20th November, 2019 were placed before all members.

Resolution: The members unanimously confirmed the minutes

BOS 03: TO REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE PREVIOUS MEETING HELD ON Wednesday 20th November 2019.

Notes: The Action taken report action on the Minutes of the 8th BOS meeting, held on Wednesday 20th November 2019 Board of Studies Meeting held at CMR University Campus was read to the Members

Resolution: The members appreciated and confirmed the actions taken by the School of Studies.

BOS 04: 1. Review and modification of Existing UG & PG Programs,

Notes:

To consider and approve Scheme of Teaching & Evaluation and Curriculum for the following programmes (CBCS Scheme for academic year 2020-2021)

- i. B.Com.
- ii. B.Com. (Hons.)
- iii. B.Com.(Hons.) in IAF
- iv. M.Com.

Resolution:

1. Two papers of Economics are not required in two semesters, It can be clubbed into one paper of Business Economics
2. Financial Accounting 1- Royalty Accounting has to added
3. In Financial Accounting emerging trend module- include the following four
 - Artificial Intelligence
 - Cloud computing
 - Financial Analytics
 - Block chain management
4. Business Law – Include competition law and Insolvency and Bankruptcy Code.
5. Along with financial analytics, can we also have HR and Marketing Analytics?
6. Business mathematics is ratio and proportion covered
7. Cost Accounting – Reconciliation Cost and final account has to be added
8. Mergers and Acquisition – Presently only purchase methods is there, the polling interest method is not these. Kindly check and make appropriate corrections.
9. Income Tax – one semester it is not sufficient, if possible make it into IT-1 and IT-2 two papers
10. Coverage of new portal of Income tax filling and GST filling has to be include as skill components in all the accounting and finance subjects
11. Integrate Program of B.Com +CA has to be planned and introduced.
13. Every paper 5 skill development activities to be introduced
14. Different GST filling returns has to be thought to the students with a practical approach.
15. Auditing Paper – system audit has to be included.
16. M.Com. Training should be organized in campus on Direct Tax Benefits, Indirect Tax benefits, Investment consultancy, and Portfolio management
17. The placement officer should contact the Bangalore CA officers for hiring our B.Com and M.com students for Internship.

Notes:**2. Review the New UG & PG programs**

To consider and approve the Program structure for the following programmes for the academic year 2020-21

- i. B.A Economics
- ii. M.A Economics

Resolution:

1. In BA Economics- introduce one paper on Business Economics

BOS 05: To consider and approve the list of Panel of Examiners for the year 2020-2021

Notes: List of Panel Examiners for the Year 2020-21 was presented

Resolution: The Panel of Examiners should be very big- Keep as rider – saying apart from our faculties, bang university faculties will also be panel of examiners.

BOS 06: To ratify and approve for allowing students to write all the backlog course for 2017 batch as one time measure and to conduct the online Examination and online question paper due to the COVID 19 Pandemic Situation

Notes:

Resolution: It is approved by the BOS members

BOS 07: Table Agenda (if any)

Notes: Members suggested skill based components to be included in the Course

Resolution: More skill oriented for every course should be conducted by teachers in the class to provide a practical approach to students.

BOS 08: ANY OTHER SUBJECT WITH THE PERMISSION OF THE CHAIR


MEMBER SECRETARY

**MINUTES OF THE BOARD OF STUDIES MEETING
(Virtual)**

AY 2021-22 : BOS - 10

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

AGENDA

1. New Curriculum AY (21-22)
2. New Program Introduced
3. Syllabus modification
4. STE (21-22) of all the programmes
5. Doctoral Coursework Courses
6. List of Examiners (External/ Internal)
7. Calendar of Events AY[21-22] (Academic)
8. Calendar of Events AY[21-22] (Co - & Extra – Curricular)
9. Amendments in Programme Regulations
10. Introduction to new initiatives

**Action Taken Report on Minutes of the 9th Board of Studies Meeting held
on Friday, 31st July, 2020**

AGENDA NO.	RESOLUTION	ACTION TAKEN
BOS 08	Collaboration with Karnataka skill development department	Due to the pandemic situation the collaboration with KSDD may be look in the next coming academic year.

MINUTES OF THE BOARD OF STUDIES MEETING (Virtual)

AY 2021-22 : BOS - 10

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

Date : Monday, 5th July, 2021

Time : 2 p.m

Venue: City Campus, CMR University, Bangalore

Members present:

- | | | |
|--|---|--------------------|
| 1. Dr. C M Bhaskar Reddy
Pro Vice Chancellor, CMRU | - | Chairperson |
| 2. Dr. Hamsa. N
HOD Psychology,
Mount Carmel College (Autonomous),
Bangalore. | - | Member |
| 3. Dr. Bigi Thomas
Reader,
Department of Social Work,
Sardar Patel University, Gujarat | - | Member |
| 4. Dr. Baskar Hegde
HOD Journalism,
SDM College (Autonomous)
Ujire, DK | - | Member |
| 5. Dr. Sojan Antony
Department of Social Work
NIMHANS Bangalore. | - | Member |
| 6. Dr. Gayatri Hedge
I/c Head, Department of Clinical Psychology,
DIMHANS, Dharwad | - | Member |
| 7. Dr. Smitha. Phillip,
Assistant Professor- SOSH | - | Member |
| 8. Dr. Radhika. C.A
Assistant Professor – SOSH | - | Member |
| 9. Dr. Suja Bennet
Dean – Academics, CMRU | - | Invitee |

10. Dr. Dhiksha. J
Assistant Professor- SOSH

- **Member Secretary**

Proceedings

- **Welcome by the Member Secretary**
- **Welcome and Introduction by the Chairperson**

Dr. Dhiksha.J, extended a warm welcome to the Chairperson, all the Members and Invitees, and introduced the new Members of the Board of Studies to the gathering.

The Chairperson of the BOS, Pro Vice Chancellor, Dr. C M Bhaskar Reddy, in his introductory remarks, requested the Members of the BOS to give their valuable suggestions for improving the syllabus.

- **Member Secretary reads out the Agenda**

Agenda 1: Confirmation of the previous Minutes of the Meeting AY 2020-21: BOS 09

The minutes of the previous Board of Studies meeting AY 2020-21: BOS 09 held on Friday 31st July, 2020 was placed before the members.

Resolution- BOS10R1: The Minutes of the Ninth Board of Studies Meeting was accepted by the Members.

Agenda 2: Report on the action taken on the minutes of the previous meeting held on Friday 31st July, 2020.

The action taken report on the Minutes of the Ninth Board of Studies meeting was tabled, and reviewed by the members.

Resolution – BOS10R2 : The action taken report was accepted and confirmed by the Members of the BOS.

Agenda 3: To consider and approve New Programme for AY 2021-22

3.1 The proposal to introduce new programs M.Sc. Psychology (Counselling) with an intake of 60 students was placed before the Members of the BOS for approval for AY 2021 – 22.

Resolution – BOS10R03: The board accepted and approved the new programme M.Sc. Psychology (Counselling) with an intake of 60 students in program for AY 2021-22

Agenda 4: To consider and approve Programme Structure and Curriculum for AY 2021-22 with respect to the following Programmes: (a) M.Sc. Psychology (Clinical) (b) M.Sc. Psychology (HRDM) (c) M.Sc. Psychology (Counselling) (d) MSW (e) M.A (MCJ) (f) B.A

Psychology (Hons) (g) B. A Journalism (Hons) (h) B.A English (Hons) (i) B.A General-EJP (j) B.A General- EJS

4.1 Change in the Programme Regulations of all UG/ PG programs to incorporate Common core, interdisciplinary courses into the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory graduate requirements.

BOS10Rem04: The members were briefed on the curriculum envisaged for the AY [2021-22]

The 3 pillars of CMR Curriculum are –Program Curriculum/Common Core Courses/Leap Programs. These three pillars will in turn reflect the 3 key aspects –Preparing for Success/Knowing Self and Community/Contribution to Society.

- Inclusion of Interdisciplinary courses in the Program Curriculum
- Common Core courses will be part of the credit structure.
- The career preparedness component under preparing for success (Common Core) will be treated as mandatory graduate requirements.
- The Community Service under Contribution to Society (common Core) will be treated as mandatory graduate requirements.
- The LEAP programs will be treated as non-mandatory graduate requirements.

The members were appreciative of the inclusion of Common core and interdisciplinary courses in the Program Curriculum and treating Career preparedness program and Community Services as Graduate Requirements

Resolution – BOS10R04 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

Agenda5: The Programme Structure and Syllabus for the AY 2021 – 22 for existing batch programs was presented to the Board for discussion for M.Sc Psychology (Clinical), M.Sc. Psychology (HRDM), MSW, MA(MCJ), BA Psychology (Hons), BA Journalism (Hons), BA English (Hons), and BA General- EJP and EJS programs.

BOS10Rem05: All the members approved the ongoing programs STE as it is without any modification.

Resolution –BOS10R05: All the members approved the ongoing programs STE as it is without any modification.

Agenda 6: The Programme Structure and Syllabus for the AY 2021-22 was proposed for the upcoming batch program in M.Sc Psychology (Clinical), M.Sc. Psychology (HRDM), M.Sc. Psychology (Counselling), MSW, MA(MCJ), BA Psychology(Hons), BA Journalism (Hons), BA English (Hons), and BA General- EJP and EJS programs was presented to the Board for discussion. The Members of the Board suggestion follows below:

BOS10Rem6.1 : M.Sc Psychology (Clinical)- A course on Psychopathology and Advanced Psychopathology to be introduced in 1st and 2nd semester respectively.

BOS10Rem6.2 : M.Sc Psychology (HRDM)- Program structure was approved.

BOS10Rem6.3: M.Sc Psychology (Counselling)- Suggested to modify the content of Theoretical approach for group counseling course and also suggested to make Life span psychology as core course for this program.

BOS10Rem6.4: MSW- Suggested to remove outdated laws and legislature acts from the program structure and to include recent and relevant laws and legislature acts.

BOS10Rem6.5: MA (MCJ)- Suggested to give more importance to improve practical skill of the students and suggested to have sophisticated laboratory and studio facility in campus.

BOS10Rem6.6: Undergraduate programs- All the under graduate programs were approved. Only the course title of Biological Processes was asked to change as Psychological process across UG programs except BA General EJS in first and second semesters respectively.

Resolution – BOS10R06: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the M.Sc Psychology (Clinical), M.Sc. Psychology (HRDM), M.Sc. Psychology (Counselling), MSW, MA(MCJ), BA Psychology (Hons), BA Journalism (Hons), BA English (Hons), and BA General- EJP and EJS (AY2021-22) after due consideration of the feedback and suggestions of the board.

Agenda 7: The programme structure and syllabus for the Ph.D. coursework for Psychology, Sociology, Social work and Mass communication and Journalism was presented to the Board for discussion. The Members of the Board suggested the following:

BOS10Rem7: Suggested to add specialization course along with the general subject related course and Research Methodology course.

Resolution – BOS10R07: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for PhD Coursework for Psychology, Sociology, Social work and Mass communication and Journalism (AY2021-22) after due consideration of the feedback and suggestions of the board.

Agenda 8: To approve the interdisciplinary courses offered by the School of Social Sciences and Humanities for students of other Schools

The interdisciplinary courses offered by School of Social Sciences and Humanities were presented as under:

For UG

- Environmental Psychology
- Personality & Development
- Media & Cultural Studies

- Women studies
- For PG
- Mental Health at work place
 - Community Psychology
 - Positive Psychology
 - Youth Development

Resolution – BOS10R08: The members of the Board accepted and approved the interdisciplinary courses offered by the School of Social Sciences and Humanities.

Agenda 9: To consider and approve the Panel of Examiners for AY 2021-22

The panel of examiners consisting of both internal and external examiners was presented to the BOS.

Resolution – BOS10R9: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

Agenda 10: To consider and approve the Academic Calendar of events and Co/ Extra – Curricular activities Calendar of Events (AY 2021-22)

The Academic Calendar of Events and Co and Extracurricular Activities Calendar of Events (AY 2021-22) were presented to the BOS.

Resolution – BOS10R10: The Board approved both the Calendar of Events.

Agenda 11: Recommended Amendments in the Program Regulations

BOS10REM11: To incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs. And to approve the interdisciplinary courses offered by the School of Social Sciences and Humanities.

Resolution – BOS10R11: The Board approved the required amendments in the Program Regulations to include common core and interdisciplinary courses in the UG/PG programs from AY [21-22]

Agenda 12: Introduction to new initiatives

BOS10Rem12: The start of the Wellbeing centre was introduced to the members and stated how the centre is helping students, teaching and non teaching staff to cope up with mental health related issues.

Resolution-BOS10R12: The Board members appreciated the service provided through Wellbeing centre

Agenda 13: Any other matters with the permission of the Chair

BOS10Rem13 : Members suggested conducting department wise meetings rather than school wise. Recommended to conduct BOS meetings separately for Psychology, Social work, Journalism, Sociology and English programmes separately.

Resolution- BOS10R13: Board of members asked to conduct BOS meeting department wise.

Passing of the Resolutions

BOS10R1: The Minutes of the Ninth Board of Studies Meeting was accepted by the Members.

BOS10R2 : The action taken report was accepted and confirmed by the Members of the BOS.

BOS10R03: The board accepted and approved the new programme M.Sc. Psychology (Counselling) with an intake of 60 students in program for AY 2021-22

BOS10R04 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

BOS10R05: All the members approved the ongoing programs STE as it is without any modification.

BOS10R06: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the M.Sc. Psychology (Clinical), M.Sc. Psychology (HRDM), M.Sc. Psychology (Counselling), MSW, MA(MCJ), BA Psychology (Hons), BA Journalism (Hons), BA English (Hons), and BA General- EJP and EJS (AY2021-22) after due consideration of the feedback and suggestions of the board.

BOS10R07: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for PhD Coursework for Psychology, Sociology, Social work and Mass communication and Journalism (AY2021-22) after due consideration of the feedback and suggestions of the board.

BOS10R08: The members of the Board accepted and approved the interdisciplinary courses offered by the School of Social Sciences and Humanities.

BOS10R9: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

BOS10R10: The Board approved both the Calendar of Events.

BOS10R11: The Board approved the required amendments in the Program Regulations to include common core and interdisciplinary courses in the UG/PG programs from AY [21-22]

BOS10R12: The Board members appreciated the service provided through Wellbeing centre

Resolution- BOS10R13: Board of members asked to conduct BOS meeting department wise.

Vote of thanks:

The meeting concluded with a Vote of Thanks to all the Members for the valuable contributions made by them in making the curriculum more robust. The External Members of the Board complemented the School of Social Sciences and Humanities for the content covered in all the programmes, and also commented on the richness of the interactions during the meeting.

Member Secretary
Dr. Dhiksha. J

F) AMENDMENTS IN THE PROGRAMME REGULATIONS

PROGRAMME REGULATIONS: AY[21-22] UG/PG

PROGRAMME: M. Sc. Psychology(Clinical), M.Sc. Psychology (HRDM), M.Sc. Psychology (Counselling), MSW, MA(MCJ), BA Psychology (Hons), BA Journalism (Hons), BA English (Hons), and BA General EJP & EJS

BOS: AY 2021-22 : BOS 10

Date: Monday, 5th July, 2021

Regulation No.	Existing	Amendment	Reasons for Amendment (if any)
	The mandatory Graduate Requirements in the Programme Regulations of UG/PG programs was not included	To incorporate Common Core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/PG programs	To enable students to build a professional profile through active engagement inside and outside the University in order to build skills required to succeed and get employed

DEAN / DIRECTOR

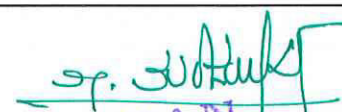
8th BOS



**Action Taken Report on Minutes of the 8th Board of Studies Meeting
held on Saturday, 3rd July, 2021**

AGENDA NO.	RESOLUTION	ACTION TAKEN
1	BOS08R02: Continuous Internal Evaluation (CIE) to be split into IAT (20) and CCE (30) across all courses and programs of B. Tech	Implemented
2	BOS08R03: STE of all the B. Tech programs for the forthcoming batch – 2021-2022 was accepted by the members with few changes in some courses recommended.	Implemented
3	BOS08R04: The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG programs for the incoming batch AY 2021-22 onwards	No Action Required
4	BOS08R05: Introduction of new B. Tech courses in the Department of CSE: B. Tech (AI and DS), B. Tech (AI and ML), and B. Tech (Industrial IOT)	To be placed before the Academic Council and Board of Management for consideration
5	BOS08R06: Reduction in the number of credits in the 8th Semester and increase in the number of credits in the 7th Semester in all B. Tech Programs	Implemented
6	BOS08R07: Changes in the course codes of B. Tech (CSE and IT)	Implemented
7	BOS08R08: The credit structure of 4BCS702: Data Analysis Using Python, L-T-P-C: 3-0-1-4 and the credit structure of 4BCS803: Deep	Implemented

CMRU SOET: Board of Studies Meeting AY 2021-22: BOS 08


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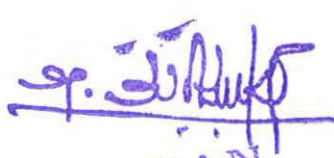


	Learning as per Table A6.3 were presented and approved.	
8	BOS08R09: The number of credits to be reduced in 8th Semester to 17 and increase to 24 in the 7th Semester for B. Tech – IT (CTIS) as shown in Table A6.4.	Implemented
9	BOS08R10: The number of credits for B. Tech – (CCE) to be reduced from 18 to 17 in the 8 th Semester and increased from 20 to 21 in the 7 th Semester as per Table A6.5 was presented and approved.	Implemented
10	BOS08R11: The change in course codes as in Table A6.6.1 to A6.6.4 were approved.	Implemented
11	<p>BOS08Rem02: Syllabus content: Remarks were made by the BOS Members as follows.</p> <p>BOS08R12: Java Application Developments course with OOPs concepts should be included in the curriculum before 5th Semester of B. Tech IT (CTIS) Two or three core courses related to Information Security to be introduced in B. Tech IT (CTIS). NoSQL course is recommended as a core course and not as an elective (as is currently offered). Either NoSQL or Mongo DB may be introduced as a core course in B. Tech IT (CTIS). The course Random Processes is recommended as a core course and not as an elective course in 5th semester of B. Tech (CCE). Linear Algebra and Optimal Learning topics are strongly recommended in the mathematical course/s for M. Tech (AI). Courses related to Data Science like NoSQL may be introduced in M. Tech (DS) Year of publication and the edition may be included for all text books and reference books in syllabi of M. Tech (CFIS) and M. Tech (IS)</p>	Java Application Developments course with OOPs concepts will be included in the curriculum in the 4 th Semester of B. Tech IT (CTIS) Courses related to Information Security are already included in B. Tech IT (CTIS). NoSQL course will be included as a core course. The course Random Processes will be included as a core course in the 5 th Semester. Linear Algebra is already included; Optimal Learning topics will be introduced as core courses in M. Tech (AI). NoSQL will be introduced in M. Tech (DS). Year of publication and the edition will be included for all the text books and reference books in syllabi of M. Tech (CFIS) and M. Tech (IS)

CMRU SOET: Board of Studies Meeting AY 2021-22: BOS 08

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 SCHOOL OF ENGINEERING & TECHNOLOGY
 CMR UNIVERSITY
 Bengaluru - 562 149



12	BOS08R13: Separate discussion will be held to discuss the contents of the courses: 1. Elements of Computer Engineering and 2. Problem Solving Through Programming amongst members and will be sent to all the members for their consent.	Discussion to take place
13	BOS08R14: The members approved the two courses without any modification for the AY 2021-2022 1. Elements of Electrical Engineering and 2. Elements of Electronics Engineering	No Action Required
14	BOS08R15: The change in the credit structure and the courses in the 7th and 8th Semesters as in Table A6.7 for B. Tech ECE were approved	Implemented
15	BOS08R16: The credit structure for 4BEC802 Image and Video Processing will be as per Table A8.8 and the content is revised suitably.	Implemented
16	BOS08R17: The following Professional Elective Courses in 5th, 6th, 7th, and 8th Semester are accepted and approved 1. 4BEC514 – Cloud Computing 2. 4BEC515 – Digital Switching Systems 3. 4BEC624 – Introduction to Hybrid and Elective Vehicle 4. 4BEC734 – Adaptive Signal Processing 5. 4BEC735 – Advanced Digital Communication 6. 4BEC744 – Multimedia Communication 7. 4BEC745 – Bio-medical Signal Processing 8. 4BEC854 – Advanced Embedded Systems 9. 4BEC855 – 4G and 5G LTE (4G LTE Advanced and 5G – see below) 10. 4BEC856 – Optical Networks 11. 4BEC857 – Multi-Rate Systems and Filter Banks	Implemented  DEAN

17	BOS08R18: The changes in the course codes as in Table A6.10 in Dept. of ECE were presented and approved	Implemented
18	<p>BOS08Rem03: The BOS members also suggested the following:</p> <ul style="list-style-type: none"> Module V has to be revised based on industry standards in the professional elective course 4BEC515: Digital Switching Systems. The professional elective course 4BEC626: Image Processing has to be removed, since the same is offered as a core course in the 7th Semester. The contents in the syllabus of the professional elective course 4BEC744: Multi-media Communication have to be revised. In the professional elective course 4BEC745: Bio-Medical Signal Processing, material on CT Scan and MRI have to be included in Module V. In the professional elective course 4BEC855: 4G and 5G LTE, it was suggested to change the title to 4G LTE Advanced and 5G. The new title reads as 4BEC855: 4G LTE Advanced and 5G. Further, it was suggested that the contents of the syllabus be revised accordingly. It was suggested to add introductory material in Module III: Passive Optical Networks in the professional elective course 4BEC856: Optical Networks In the professional elective course 4BEC857: Multi-Rate Systems and Filter Banks, it was suggested to change the title to 4BEC857: Multi-Rate Systems, Filter Banks and Wavelets. <p>Resolution BOS08R19: All the suggestions in BOS08Rem03 are incorporated.</p>	Implemented
19	BOS08R20: The number of credits to be reduced in 8th Semester to 17 and increased to 23 in the 7th Semester for B. Tech – ME is approved as in Table A6.10.	Implemented

19	<p>BOS08R21: All the suggestions in BOS08Rem04 by BOS members regarding the B. Tech (ME) courses are incorporated</p> <p>In the B. Tech course 4BME481: Introduction to Robotics, the topics - degrees of freedom, work volume and the definition of robot to be included in Module I</p> <p>In the B. Tech course 4BME103: Computer Aided Engineering Drawing and Rapid Prototyping, the reference 'A Primer on Computer Aided Engineering Drawing. VTU. (2006)' has to be excluded</p> <p>In the I and II Sem syllabus of AY 2021-22, description of P-V diagrams: Otto and Diesel Cycles has to be included and heat balance chart has to be removed in Module I, the topic performance of refrigerants has to be included the topic COP has to be deleted in Module II and the topic Introduction to Additive Manufacturing has to be included in Module III of the course Elements of Mechanical Engineering and Workshop</p> <p>For the course Sociology of Globalization and Sustainable Development, the course code is changed from 4BHS5B1/6A1 to 4BHS5B1</p> <p>For the course Business Management for Engineers the course code is changed from 4BHS6B1/5A1 to 4BHS6B1</p>	Implemented
20	<p>BOS08R22: Changes in Course codes in M. Tech (CAD/CAM) as in Table 6.11 are approved</p>	Implemented
22	<p>BOS08R23: The number of credits will be reduced in 8th Semester to 17 and increase to 23 in the 7th Semester for B. Tech – CIVIL as shown in Table A6.12.</p>	Implemented
22	<p>BOS03R24: Changes in course code and credit structure as per Table A6.13 has been approved.</p>	Implemented

CMRU SOET: Board of Studies Meeting AY 2021-22: BOS 08

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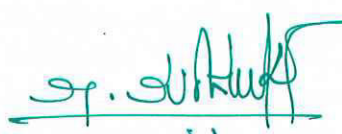
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22	BOS08R25: BOS08Rem05: During the Concluding remarks, Dr. C Amarnath opined that while IPR would be a useful course as a common core course, it would be better to involve some good experts.	To be implemented
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 (R. Harish)

MEMBER SECRETARY



DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
 Bengaluru - 562 149

MINUTES OF THE BOARD OF STUDIES MEETING (Virtual)

AY 2021-22 : BOS - 07

SCHOOL OF LEGAL STUDIES

Date : Monday, 21st June, 2021

Time : 2.00 PM

Venue: OMBR Campus, CMR University, Bangalore

Members present:

- | | | |
|--|---|-----------------|
| 1. Prof.(Dr.) T.R. Subramanya
Dean, SOLS | - | Chairman |
| 2. Prof. (Dr.) Ishwara Bhat (Online)
Vice Chancellor, KSLU | - | Member |
| 3. Sri. V. Sudish Pai (Online)
Distinguished Advocate, Jurist and Author | - | Member |
| 4. Dr. Seema Surendran (Online)
Professor, SOLS | - | Member |
| 5. Prof.Sreenidhi K.R
Asst. Professor, SOLS | - | Member |
| 6. Prof.Chanjana Elsa Philip
7. Asst. Professor, SOLS | - | Member |
| 8. Prof. V.J. Praneshwaran
Secretary
Vice Principal | - | Member |

Member on leave

- | | | |
|---|---|---------------|
| Prof. (Dr.) Ashok R. Patil
Professor, NLSIU | - | Member |
|---|---|---------------|

Proceedings

- All the members were welcomed by the Member Secretary.
- Welcome and Introduction by the Chairperson

The Chairperson introduced the external members in his introductory remarks and welcomed them for the meeting.

- The Member Secretary read out the Agenda of the Seventh Board of Studies Meeting.

Agenda 1: Confirmation of the Previous Meeting Minutes

The minutes of the previous board of studies meeting AY 2020-21: BOS 06 held on Wednesday, 29th July, 2020 at 10:30 a.m. was placed before the members.

Resolution – BOS07R01: The Board unanimously accepted and confirmed the minutes of the Sixth Board of Studies meeting held on 29th July, 2020.

Agenda 2: To report on the Action Taken on the Minutes of the Previous Meeting held on 29th July, 2020.

The action taken report on the Minutes of the Seventh Board of Studies meeting was tabled, and reviewed by the members.

Resolution – BOS07R02: The Action Taken Report based on the Sixth BOS meeting held on 29th July, 2020 was accepted and confirmed by the Members of the BOS.

Agenda 3: The Board may kindly accept the new syllabus consisting of courses (Subjects) for the IX and X semesters of B.A., LL.B. (Hons) and B.B.A., LL.B. (Hons) and V and VI semesters of B.Com., LL.B. (Hons) Programmes.

The syllabus for the IX and X semesters of B.A., LL.B. (Hons) and B.B.A., LL.B. (Hons) and V and VI semester of B.Com., LL.B. (Hons) programmes was placed before the Board for approval.

Prof. (Dr.) Ishwara Bhat suggested that the NEP guidelines to include constitutional principles be considered while framing future syllabus.

Resolution – BOS07R03: The syllabus was accepted and approved unanimously by the Board members.

Agenda 4: The Board may kindly accept the change in the syllabus and question paper pattern of the course General English.

The Board may kindly accept the change in the syllabus and question paper pattern of the course General English with course codes 5BAL101, 5BBL101 and 5BCL101 which are common to the first semester of B.A., LL.B. (Hons), B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) Programmes mentioned in the scheme of teaching and evaluation of the respective programmes.

Sri. V. Sudish Pai suggested autobiographies of legal luminaries to be added to the reference list as this would help the students in improving not only knowledge but the very English language.

Resolution – BOS07R04: The change in the syllabus and question paper pattern of the course General English for the first semesters of B.A., LL.B. (Hons), B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) Programmes along with the addition of reference books was unanimously accepted and approved by the Board.

Agenda 5: The Board may kindly accept the change in the syllabus and question paper pattern of the course Special English.

The Board may kindly accept the change in the syllabus and question paper pattern of the course Special English with course codes 5BAL201, 5BBL201 and 5BCL201 which are common to the second semester of B.A., LL.B. (Hons), B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) Programmes mentioned in the scheme of teaching and evaluation of the respective programme

Resolution – BOS07R05: The change in the syllabus and question paper of the course Special English for the second semesters of B.A., LL.B. (Hons), B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) Programmes was unanimously accepted and approved by the Board.

Agenda 6: The Board may kindly accept the change in the syllabus of the course Jurisprudence.

The Board may kindly accept the change in the syllabus of the course Jurisprudence with course codes 5BBL206 and 5BCL206 which are common to the second semester of B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) mentioned in the scheme of teaching and evaluation of the respective UG Programmes.

Sri. V. Sudish Pai and Prof. (Dr.) Ishwara Bhat suggested the following books to be added to the reference list.

1. Law of press censorship in India by Soli J Sorabjee
2. Transfer of Property Act by G. C. V. Subbarao
3. The Law of Mortgage in India by Sir Rashbehary Ghose
4. Constitutional and Administrative Law by S. A. De Smith
5. Constitution and What It Means Today by Edward S. Corwin
6. De Smith's Judicial Review
7. Natural Justice by Paul Jackson
8. Statutory Interpretation by Francis Bennion
9. Limited Government and Judicial Review (Tagore Law Lectures) by D D Basu
10. The growth of the law by Benjamin N. Cardozo
11. Law and Liter Law and Literature, by Benjamin N. Cardozo
12. Law and literature by Richard Posner
13. Introduction to Legislative Drafting by P.M.Bakshi
14. Democracy, Equality, and Freedom by K. K. Mathew
15. Books by Laurence H. Tribe

Resolution – BOS07R06: The proposal to delete medical jurisprudence from the second module titled legal theories for the second semester of B.B.A., LL.B. (Hons) and B.Com, LL.B. (Hons) along with the addition of reference books (to be added in the other two programmes also) was unanimously accepted and approved by the Board.

Agenda 7: The Board may kindly accept the syllabus of PhD Coursework in Law.

The Board went through the framework of the syllabus prescribed for course work of Ph.D. (Law). Prof. (Dr.) Ishwara Bhat suggested that the 2019 UGC Regulations on Plagiarism be specifically made part of the syllabus, keeping it in tune with the UGC guidelines on PhD coursework.

Resolution – BOS07R07: The PhD syllabus along with the above suggestion was approved unanimously by the board members.

Agenda 8: The Board may kindly accept the constitution of Board of Examiners and Panel of Examiners for PG and UG Programmes.

Resolution – BOS07R08: The Board unanimously accepted and approved the constitution of Board of Examiners and Panel of Examiners for PG and UG Programmes.

Agenda 9: The Board may kindly accept the introduction of two new courses to be offered to students of other discipline within CMR University.

- i. Essentials of Human Rights and Public Interest Law
- ii. Essential Laws for Business Enterprise

Prof. (Dr.) Ishwara Bhat suggested that IPR also be added.

Resolution – BOS07R09: The Board unanimously accepted and approved the introduction of the above new courses to along with IPR, be offered to students of other discipline within CMR University.

Agenda 10: The Board may kindly approve the existing and new centres of the school as follows.

- i. Centre for Alternative Dispute Resolution & Law
- ii. Centre for Environmental Studies & Law
- iii. Centre of Gender Justice & Law

The Board may also kindly accept the introduction of two new Centres in the offing

- i. Centre for Skill development in Legal studies
- ii. Centre for International studies

Resolution – BOS07R10: The Board unanimously accepted and approved the existing centres of the schools and approved the proposal for introduction of two new centres as mentioned above.

Passing of the Resolutions

Resolution – BOS07R01: The Board unanimously accepted and confirmed the minutes of the Sixth Board of Studies meeting held on 29th July, 2020.

Resolution – BOS07R02: The Action Taken Report based on the Sixth BOS meeting held on 29th July, 2020 was accepted and confirmed by the Members of the BOS.

Resolution – BOS07R03: The syllabus was accepted and approved unanimously by the Board members.

Resolution – BOS07R04: The change in the syllabus and question paper pattern of the course General English for the first semesters of B.A., LL.B. (Hons), B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) Programmes along with the addition of reference books was unanimously accepted and approved by the Board.

Resolution – BOS07R05: The change in the syllabus and question paper of the course Special English for the second semesters of B.A., LL.B. (Hons), B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) Programmes was unanimously accepted and approved by the Board.

Resolution – BOS07R06: The proposal to delete medical jurisprudence from the second module titled legal theories for the second semester of B.B.A., LL.B. (Hons) and B.Com, LL.B. (Hons) along with the addition of reference books (to be added in the other two programmes also) was unanimously accepted and approved by the Board.

Resolution – BOS07R07: The PhD syllabus along with the above suggestion was approved unanimously by the board members.

Resolution – BOS07R08: The Board unanimously accepted and approved the constitution of Board of Examiners and Panel of Examiners for PG and UG Programmes.

Resolution – BOS07R09: The Board unanimously accepted and approved the introduction of the above new courses to along with IPR, be offered to students of other discipline within CMR University.

Resolution – BOS07R10: The Board unanimously accepted and approved the existing centres of the schools and approved the proposal for introduction of two new centres as mentioned above.

Vote of thanks:

The meeting concluded with a Vote of Thanks to all the Members for the valuable contributions.

MEMBER SECRETARY

MINUTES OF THE BOARD OF STUDIES MEETING (Virtual)

AY 2021-22 : BOS - 10

SCHOOL OF MANAGEMENT

Date : Saturday, 26th June, 2021

Time : 11 am

Venue: City Campus, CMR University, Bangalore

Members present:

- | | | |
|---|---|-------------------------|
| 1. Dr. C M Bhaskar Reddy
Pro Vice Chancellor, CMRU | - | Chairperson |
| 2. Dr. Sugant. R
Dean – SOM/SOEC | - | Member |
| 3. Dr. Mathirajan. M
Senior Professor/ Chief Research Scientist,
Dept. of Management Studies,
Indian Institute of Science | - | Member |
| 4. Mr. Praveen Kamath
Chief Human Resources Officer, APISERO Inc. | - | Member |
| 5. Mr. Chandramouli
MD & CEO, Feedback Insights | - | Member |
| 6. Dr. Pavan Soni
Founder/ Director – Inflexion Point Consulting | - | Member |
| 7. Prof. Mohan Cherian
MBA Program Coordinator | - | Member |
| 8. Dr. Anitha B
Assistant Professor – SOM | - | Member |
| 9. Prof. Jacob Thomas
BBA Program Coordinator | - | Invitee |
| 10. Dr. Suja Bennet
Dean – Academics, CMRU | - | Invitee |
| 11. Dr. Shamal. S
Assistant Professor – SOM | - | Invitee |
| 12. Prof. Sharfunisa. N
Assistant Professor – SOM | - | Invitee |
| 13. Dr. Vivek Rajapadmanabhan
Director - SOM | - | Member Secretary |

Proceedings

- **Welcome by the Member Secretary**
- **Welcome and Introduction by the Chairperson**

Dr. Sugant, Dean – School of Management extended a warm welcome to the Chairperson, all the Members and Invitees, and introduced the new Members of the Board of Studies to the gathering.

The Chairperson of the BOS, Pro Vice Chancellor, Dr. C M Bhaskar Reddy, in his introductory remarks, requested the Members of the BOS to give their valuable suggestions for improving the syllabus.

- **Member Secretary reads out the Agenda**

Agenda 1: Confirmation of the previous Minutes of the Meeting AY 2020-21: BOS 09

The minutes of the previous Board of Studies meeting AY 2020-21: BOS 09 held on 1st August, 2020 was placed before the members.

The Minutes of the Ninth Board of Studies Meeting was accepted by the Members.

Agenda 2: Report on the action taken on the minutes of the previous meeting held on 1st August, 2020.

The action taken report on the Minutes of the Ninth Board of Studies meeting was tabled; and reviewed by the members.

Resolution - BOS10R01 : The action taken report was accepted and confirmed by the Members of the BOS.

Agenda 3: To consider and approve New Programmes for AY 2021-22

3.1 The proposal to introduce two new BBA programs in Digital Marketing and Business Analytics with an intake of 60 students in each program was placed before the Members of the BOS for approval for AY 2021 – 22.

Resolution – BOS10R02: The board accepted and approved the two new programmes of BBA in Digital Marketing and BBA in Business Analytics with an intake of 60 students in each program for AY 2021-22

3.2 A new Specialisation in Supply Chain Management within the BBA program was also placed before the Members of the BOS for approval for AY 2021 – 22.

Resolution – BOS10R03: The Board accepted and approved the new specialisation in Supply Chain Management within the BBA programme.

VR



Agenda 4: To consider and approve Programme Structure and Curriculum for AY 2021-22 with respect to the following Programmes: (a) BBA (b) BBA (Hons.) (c) BBA (Digital Marketing) (d) BBA (Business Analytics) (e) MBA (f) E- MBA (g) PhD Coursework for Management.

4.1 Change in the Programme Regulations of all UG/ PG programs to incorporate Common core, interdisciplinary courses into the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory graduate requirements.

BOS10Rem01 : The members were briefed on the curriculum envisaged for the AY [2021-22]

The 3 pillars of CMR Curriculum are –Program Curriculum/Common Core Courses/Leap Programs .These three pillars will inturn reflect the 3 key aspects –Preparing for Success/Knowing Self and Community/Contribution to Society.

- Inclusion of Interdisciplinary courses in the Program Curriculum
- Common Core courses will be part of credit structure.
- The career preparedness component under preparing for success (Common Core) will be treated as mandatory graduate requirements.
- The Community Service under Contribution to Society (common Core) will be treated as mandatory graduate requirements.
- The LEAP programs will be treated as non-mandatory graduate requirements.

The members were appreciative of the inclusion of Common core and interdisciplinary courses in the Program Curriculum and treating Career preparedness program and Community Services as Graduate Requirements

Resolution – BOS10R04 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

BOS10Rem02 : A proposal was placed before the Board for change in eligibility criteria to join E-MBA programme - from the current 5 years work experience to 3 years work experience.

Resolution – BOS10R05: The Members approved the revised eligibility to join E-MBA programme from 5 years work experience to 3 years work experience

4.2 The Programme Structure and Syllabus for the AY 2021 – 22 in for BBA General and Honours was presented to the Board for discussion. The Members of Board offered the following suggestions for consideration:

BOS10Rem03 : In all the UG Programmes, Operations Research (OR) course suggested to be delivered before the Operations Management (OM) as it is the foundation for the OM Course.

BOS10Rem04 : The credits for the course IT for Business offered in the UG programmes can be increased from the existing two credits to three credits, for inclusion of Business Analytics and Python concepts in the syllabus.

BOS10Rem05 : Excel, R Studio, Python, JAMOV, Tally and Oracle Financials may be included as part of UG programme, as these are basic tools that any employer would expect new recruits to be familiar with.

BOS10Rem06 : The HR Specialisation Electives of Cross Cultural HRM and HRD Systems & Strategies can be replaced with courses on Coaching / Mentoring and Balanced Score Card and HR Score Card Electives.

BOS10Rem07 : Practical application of HR, Marketing and Finance tools may be included in the Specialisation Electives.

BOS10Rem08 : Topics like Six Sigma, Sequencing and Scheduling can be considered for inclusion in the Supply Chain Specialisation.

BOS10Rem09 : Sales related courses like Tele Calling and Sales Process can be considered for inclusion in Marketing Electives.

BOS10Rem10 : Electives course credits may be reduced from three credits to two credits instead, in order to accommodate a larger number of elective courses within the credit framework.

BOS10Rem11 : Tools like LINDO and LINGO are suggested for inclusion in the Operations Research course.

BOS10Rem12 : Statistics with R –Studio may be considered for inclusion in all UG programs of the School.

4.3 The Programme Structure and Syllabus for the proposed New Program in BBA(Digital Marketing) was presented to the Board for discussion. The Members of the Board suggested the following:

BOS10Rem13 : A course on Introduction to E-Commerce/ start-up Ecosystem may be included in the 1st Semester.

BOS10Rem14 : Data Visualisation, R – Studio, Web Development Tools, HTML courses suggested to be included in the program.

4.4 The Programme Structure and Syllabus for the proposed New Program in BBA(Business Analytics) was presented to the Board for discussion. The Members of the Board suggested the following:

BOS10Rem15 : A course on Introduction to Business Analytics in 1st Semester may be included to serve as an introduction to the course.

BOS10Rem16 : It would be advisable to teach the theoretical concepts of Statistics before the students undertake a course on Machine Learning.

BOS10Rem17 : Lab driven courses can be given more priority in the programme, rather than theoretical courses.

BOS10Rem18 : Power BI tools may be introduced as part of the programme.

BOS10Rem19 : Course on Big Data can be done much before the 6th Semester.

4.5 The programme structure and syllabus for the MBA program was presented to the board for discussion. The Members of the Board suggested the following:

BOS10Rem20 : Operations Research may be included in the MBA Programme.

BOS10Rem21 : Total Quality Management and Project Management can be offered as General Electives.

BOS10Rem22 : Quantitative Techniques for Managers may be divided into two courses: (1) Statistics with R- Studio and (2) Operations Research. Under Operations Research, Linear programming may be emphasized.

BOS10Rem23 : Advanced Operations Research can be offered as an elective.

BOS10Rem24 : Research paper presentation by students may be encouraged as part of Continuous Internal Assessment (CIA).

4.6 The programme structure and syllabus for the E-MBA program [(which is delivered in collaboration with the Institute for Product Leadership (IPL))] was presented to the Board for discussion. The Members of the Board suggested the following:

BOS10Rem25 : Subject Matter Specialists could design, develop and deliver the E- MBA Programme for it to deliver real value.

BOS10Rem26 : Multiple Scheme of evaluation can be considered in the evaluation process.

4.7 The programme structure and syllabus for the Ph.D. coursework for Management was presented to the Board for discussion. The Members of the Board suggested the following:

BOS10Rem27 : A minimum 12 credits may be offered in coursework, to make the programme more robust.

BOS10Rem28 : The suggested format for course work was: (1) Statistics – 3 credits (2) Research Methodology – 3 credits (3) Two courses in the research-specific area – 3 + 3 = 6 credits.

Resolution – BOS10R06: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the BBA (G), BBA (Hons), BBA (Digital Marketing), BBA (Business Analytics), EMBA and PhD Coursework for Management (AY2021-22) after due consideration of the feedback and suggestions of the board.

4.8 To approve the inter-disciplinary courses offered by the School of Management for students of other Schools

The inter-disciplinary courses offered by School of Management was presented as under:

For UG

- Introduction to Financial Management
- Human Resource Management - How it Really Works
- Basics of Entrepreneurship
- Understanding the Stock Exchange

For PG

- Finance for Non-Finance Students
- Entrepreneurship - A Primer
- Marketing - For the Uninitiated

Resolution – BOS10R07: The members of the Board accepted and approved the interdisciplinary courses offered by the School of Management.

Agenda 5: To consider and approve changes in the existing Programme Structure and Curriculum for BBA (Hons) and E-MBA.

5.1 A proposal was placed before the Board to consider and approve changes in the existing programme structure and curriculum for BBA (G) and BBA(Hons) for 2019 and 2020 batches.

5.2 A proposal was placed before the Board for changes in syllabus of E-MBA programme.

5.3 A proposal was placed before the Board for discontinuation of BBA (IT) program due to lack of job opportunities and the introduction of BBA (Business Analytics).

Resolution – BOS10R08: The Members approved offering dual specialisation for BBA(Hons) programme and changes in BBA (G) and BBA (Hons) for 2019 Batch and 2020 Batch.

Resolution –BOS10R09: The members approved the revised syllabus presented for the E-MBA programme

Resolution –BOS10R10: Board approved the decision to discontinue the BBA (IT) programme which had been introduced with 2020 Batch.

Agenda 6: To consider and approve the Panel of Examiners for AY 2021-22

The panel of examiners consisting of both internal and external examiners was presented to the BOS.

Resolution – BOS10R11: The Board approved the suggested panel of examiners with the ratio of 70% internal examiners and 30% external examiners.

Agenda 7: To consider and approve the Academic Calendar of events and Co/ Extra – Curricular activities Calendar of Events (AY 2021-22)

The Academic Calendar of Events and Co and Extra-Curricular Activities Calendar of Events (AY 2021-22) were presented to the BOS.

Resolution – BOS10R12: The Board approved both the Calendar of Events.

Agenda 8: Any other matters with the permission of the Chair

BOS10Rem29 : For the Ph. D. Programme, both at the University as well as the SOM level, Board of Studies may be separately constituted.

BOS10Rem30 : Activities and programmes could focus on activities that enhance student's employability.

BOS10Rem31 : Mentoring could be included as part of LEAP.

BOS10Rem32 : Hybrid system of learning could be considered while designing the curriculum delivery method.

Passing of the Resolutions

BOS10R01 : The action taken report was accepted and confirmed by the Members of the BOS.

BOS10R02: The board accepted and approved the two new programmes of BBA in Digital Marketing and BBA in Business Analytics with an intake of 60 students in each program for AY 2021-22

BOS10R03: The Board accepted and approved the new specialisation in Supply Chain Management within the BBA programme.

BOS10R04 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

BOS10R05: The Members approved the revised eligibility to join E-MBA programme from 5 years work experience to 3 years work experience

BOS10R06: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the BBA (G), BBA (Hons), BBA (Digital Marketing), BBA (Business Analytics), EMBA and PhD Coursework for Management (AY2021-22) after due consideration of the feedback and suggestions of the board.

BOS10R07: The members of the Board accepted and approved the inter-disciplinary courses offered by the School of Management.

BOS10R08: The Members approved offering dual specialisation for BBA(Hons) programme and changes in BBA (G) and BBA (Hons) for 2019 Batch and 2020 Batch.

BOS10R09: The members approved the revised syllabus presented for the E-MBA programme

BOS10R10: Board approved the decision to discontinue the BBA (IT) programme which had been introduced with 2020 Batch.

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BOS10R11: The Board approved the suggested panel of examiners with the ratio of 70% internal examiners and 30% external examiners.

BOS10R12: The Board approved both the Calendar of Events.

Vote of thanks:

The meeting concluded with a Vote of Thanks to all the Members for the valuable contributions made by them in making the curriculum more robust. The External Members of the Board complemented the School of Management regarding the content covered in all the programmes, and also commented on the richness of the interactions during the meeting.



Member Secretary - AY 2021-22 : BOS – 10
Dr Vivek Rajapadmanabhan
Director
School of Management

MINUTES OF THE 8th BOARD OF STUDIES MEETING (Virtual)

AY 2021-22 : BOS 08

SCHOOL OF ENGINEERING AND TECHNOLOGY

Date : Saturday, 3rd July, 2021
Time : 10 00 am
Venue : School of Engineering and Technology, CMR University Main Campus,
 Chagalatti, Bengaluru 562149

Members present:

1	Dr. C Prabhakar Reddy, SOET, CMRU	CHAIRMAN
2	Dr. K Rajanikanth, MSRIT (former)	MEMBER
3	Dr. Sujit Chakrabarti, IIIT-B	MEMBER
4	Dr. Rama Suri Narayanam, IBM	MEMBER
5	Dr. C Amarnath, IIT-B (Professor Emeritus)	MEMBER
6	Dr. M H Kori, Alcatel-Lucent Tech. (former)	MEMBER
7	Dr. H S Prashanth, NMIT-B	MEMBER
8	Dr. Babu Rao K, SOET, CMRU	MEMBER
9	Dr. S Saravana Kmar, SOET, CMRU	MEMBER
10	Dr. P Rubini, SOET, CMRU	MEMBER
11	Dr. T Y Satheesha, SOET, CMRU	MEMBER
12	Dr. M A Mateen, SOET, CMRU	MEMBER
13	Dr. R Harish, SOET, CMRU	MEMBER SECRETARY

Members absent:

1	Dr. Rohini Nagapadma	MEMBER
2	Dr. B K Shridhar	MEMBER

Proceedings

- The Member Secretary welcomed all the members of 8th Board of Studies to the meeting. He also welcomed the internal members and the academic staff
- Welcome and introduction by the Chairperson


DEAN

- i. The Chairman extended a warm welcome to the Hon'ble Pro-Vice Chancellor, Dr. C M Bhaskar Reddy, and all the external 8th BoS members
- ii. The Chairman introduced and welcomed the two new external BoS members:
Dr. Sujit Chakrabarti, IIIT-B, and Dr. Rama Suri Narayanam, IBM
- iii. The Chairman welcomed all the internal BoS members and the academic staff of SoET
- iv. The Chairman thanked all the 8th BoS members for their contribution towards development of curricula, an ongoing process
- v. The Chairman thanked all the outgoing 7th BoS members

The Chairperson of the BOS, the Pro Vice Chancellor, Dr. C M Bhaskar Reddy, in his opening remarks, welcomed all the 8th BoS members and requested them to give their valuable suggestions and inputs for improving the curricula

- The Agenda was read out by the Member Secretary

Agenda 1: Confirmation of the Minutes of the 7th BOS held on July 10, 2020 for AY 2020-21:

The minutes of the 7th BOS meeting of AY 2020-21: 7th BOS held on 10th July, 2020 were placed before the members.

Resolution - BOS08R01: The Minutes of the 7th Board of Studies Meeting was accepted by the Members.

Agenda 2: Report on the action taken on the minutes of the 7th BOS meeting held on 10th July, 2020 was presented:

Resolution - BOS08AT02: The action taken report was accepted and confirmed by the Members of the 8th BOS.

Agenda 3: The internal evaluation component CIE (Internal Assessment Tests - IATs + Continuous Comprehensive Evaluation - CCE) were proposed to be uniform across all the programs and courses as: CCE having at least two of the 14 components per course and two IATs, consisting of IAT 20 marks and CCE 30 marks and total amounts to CIE 50 marks.

Resolution - BOS08R02: The proposal was accepted by the members and approved.

Agenda 4: Scheme of Teaching and Evaluation (STE) of all the B. Tech programs for the forthcoming batch - 2021-2022 was presented by the Member Secretary to the members

Resolution – BOS08R04: The suggestions to introduce the new Programmes in B. Tech (Artificial Intelligence (AI) and Data Science), B. Tech (Artificial Intelligence and Machine Learning), and B. Tech (Industrial IoT) to be placed before the Academic Council/ Board of Management for approval

Agenda 5.2: As per the Early Release Policy for placement and reducing the credit load in 8th Semester, the number of credits for B. Tech – CSE and IT to be reduced from 20 to 17 in the 8th Semester and increased from 21 to 24 in the 7th Semester to retain the minimum credit requirement of 170 for B. Tech CSE and IT programmes, details mentioned in Table A5.1:

Table A5.1: B. Tech (CSE and IT)		
	Batch 2018-2019, 2019-2020 and 2020-2021	AY 2021-22
Number of credits in 7 th Sem	21	24
Number of credits in 8 th Sem	20	17
Courses in 8 th Sem	Software Testing, Deep Learning, Internet of Things	Internship, Elective – IV
Courses in 7 th Sem	Internship, Elective – IV	Software Testing, Deep Learning, Internet of Things

Resolution – BOS08R05: The number of credits to be reduced in 8th Semester to 17 and increase to 24 in the 7th Semester for B. Tech – CSE and IT as shown in the Table A5.2 above is approved.

Agenda 5.3: The following changes in the course codes to be effected

Table A5.2: Change in course codes in B. Tech (CSE and IT)			
Courses	Batch 2018-2019	Batch 2019-2020	Batch 2020-2021
Software Engineering	4BCS403	4BCS403	4BCS431
Artificial Intelligence	4BCS605	4BCS651	4BCS651
Microservices	4BIT604	4BIT641	4BIT641
Mini Project –II	4BCS608	4BIT608	4BIT608

Resolution BOS08R06: The changes in the course codes as Table A5.2 were presented and approved.

Agenda 5.4: Increase the number of credits from three (3) to four (4) for the courses 4BCS702: Data Analysis Using Python and 4BCS803: Deep Learning by adding few latest topics in these courses

It was proposed to increase the number of credits from three (3) to four (4) in two courses as per the Table A5.3 below in order to top up the total credit requirement for the award of B. Tech 170 credits instead of the existing 168 credits for the 2018-2019, 2019-2020 and 2020-2021 batches.

Table A5.3: Change in Credits in B. Tech (CSE and IT)		
	Batch 2020-21	Batch 2021-22
4BCS702: Data Analysis Using Python (7 th Semester)	L-T-P-C: 2-0-1-3	L-T-P-C: 3-0-1-4
4BCS803: Deep Learning (7 th Semester)	L-T-P-C: 2-0-1-3	L-T-P-C: 3-0-1-4

Resolution – BOS08R07: The credit structure of 4BCS702: Data Analysis Using Python, L-T-P-C: 3-0-1-4 and the credit structure of 4BCS803: Deep Learning as per Table A5.3 were presented and approved.

Agenda 5.5: As per the Early Release Policy for the placement, the number of credits for B. Tech - IT (CTIS) to be reduced from 20 to 17 in the 8th Semester and increased from 21 to 24 in the 7th Semester as per Table A5.4 below:

Table A5.4: B. Tech-IT (CTIS)		
	Batch 2020-21	Batch 2021-22
Number of credits in 7 th Sem	21	24
Number of credits in 8 th Sem	20	17
Courses in 8 th Sem	Cloud Architecture Patterns, Adaptive Security Architecture, IT Infrastructure Library	Internship, Elective - IV

Courses in 7 th Sem	Internship, Elective - IV	Cloud Architecture Patterns, Adaptive Security Architecture, IT Infrastructure Library
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Resolution - BOS08R08: The number of credits to be reduced in 8th Semester to 17 and increase to 24 in the 7th Semester for B. Tech - IT (CTIS) as shown in the Table A5.4 is approved.

Agenda 5.6: As per the Early Release Policy, the number of credits for B. Tech -(CCE) to be reduced from 18 to 17 in the 8th Semester and increased from 20 to 21 in the 7th Semester as per Table A5.5 below:

Table A5.5: B. Tech (CCE)		
	Batch 2020-21	Batch 2021-22
Number of credits in 7 th Sem	20	21
Number of credits in 8 th Sem	18	17
Courses in 8 th Sem	System Simulation and Modeling, Optical Communication	Internship, Elective - IV
Courses in 7 th Sem	Internship, Elective - IV	System Simulation and Modeling, Optical Communication

Resolution - BOS08R09: The number of credits for B. Tech - (CCE) to be reduced from 18 to 17 in the 8th Semester and increased from 20 to 21 in the 7th Semester as per Table A5.5 was presented and approved.

Agenda 5.7: Changes in the course codes for M. Tech (AI), M. Tech (DS), M. Tech (CFIS) and M. Tech (IS) were proposed as in Table A5.6.

Table A5.6: M. Tech - Artificial Intelligence		
	Batch 2020-2021	AY 2021-2022
Mathematical Foundations for AI	2PPC101	4MATH501

Advanced Python Programming	2PPC102	4CSAI501
Artificial Intelligence	2PPC103	4CSAI502
Machine Learning	2PPC104	4CSAI503
Research Methodology & IPR	2PMC101	4RESE501
Pedagogy Studies	2PAC101	4EDGS501
Deep Learning	2PPC201	4CSAI506
Computer Vision	2PPC202	4CSAI507
Mini Project	2PMP201	4DISS700
Value Education	2PAC201	4EDGS502
Internship	2PIP302	4DISS701
Project Work – I	2PPW303	4DISS703
Project Work – II and Dissertation	2PPW401	4DISS704
Natural language processing	2PPE501	4CSAI601
Digital Image Processing	2PPE502	4CSAI602
Fuzzy logic	2PPE503	4CSAI603
Genetic Algorithm	2PPE504	4CSAI604
Data Visualisation	2PPE505	4CSAI605
Reinforcement Learning	2PPE506	4CSAI606
Time Series Analysis	2PPE507	4CSAI607
Social Media Analytics	2PPE508	4CSAI608
Chat Bot Development	2PPE509	4CSAI609
Recommender system	2PPE510	4CSAI610
Pattern recognition	2PPE511	4CSAI611
Internet of Things	2POE501	4CSAI612
Cloud Computing	2POE502	4CSAI613
Data Analytics	2POE503	4CSAI614

Table A5.6 M. Tech - Data Science

	Batch 2020-2021	AY 2021-2022
Mathematical Foundation for DS	4MPC101	4MATH502
Data Mining	4MPC102	4CSDS501
Distributed Database	4MPC103	4CSDS502
Machine Learning using Python	4MPC104	4CSDS503
Research Methodology and IPR	2PMC101	4RESE501
Pedagogy Studies	2PAC101	4EDGS501
Bid Data Analytics	4MPC201	4CSDS504
Data Visualization	4MPC202	4CSDS505

Mini Project	2PMP201	4DISS700
Value Education	2PAC201	4EDGS502
Internship	2PIP302	4DISS701
Project Work - 1	2PPW303	4DISS703
Project Work and Dissertation	4MPW401	4DISS704
R Programming	4MPE101	4CSDS601
Sampling Methods	4MPE102	4CSDS602
Multivariate Statistical Analysis	4MPE103	4CSDS603
Database Technology	4MPE104	4CSDS604
Pattern Recognition	4MPE105	4CSDS605
Natural Language Processing	4MPE106	4CSDS606
Recommender System	4MPE107	4CSDS607
Chat Bot Development	4MPE108	4CSDS608
Bio Informatics	4MPE109	4CSDS609
Social Media Analytics	4MPE110	4CSDS610
Real Time Data Processing	4MPE111	4CSDS611
Time Series Analysis	4MPE112	4CSDS612
Internet of Things	4MOP101	4CSDS613
Artificial Intelligence	4MOP102	4CSDS614
Cloud Computing	4MOP103	4CSDS615

Table A5.6 M. Tech - Cyber Forensics and Information Security

	Batch 2020-2021	AY 2021-2022
Mathematical Foundations for Cyber Forensics	4MCI101	4MATH503
Cyber Forensics	4MCI102	4CSCF501
Forensic Psychology and Crime Assessment	4MCI103	4CSCF502
Risk Assessment and Security Audit	4MCI104	4CSCF503
Information Security Policies in Industry	4MCI105	4CSCF504
Research Methodology & IPR	4MMC101	4RESE501
Pedagogy Studies	4MAC101	4EDGS501
Fingerprints and Impressions	4MCI201	4CSCF505
Mobile Device Forensics	4MCI202	4CSCF506
Operating System Security	4MCI203	4CSCF507
Secured Programming	4MCI204	4CSCF508
Mini Project	4MMP201	4DISS701
Value Education	4MAC201	4EDGS502

Internship	4MIP301	4DISS702
Project Work – I	4MPW301	4DISS703
Project Work – II and Dissertation	4MPW401	4DISS704
Statistics and Forensic Applications	4MCI501	4CSCF601
Database Security	4MCI502	4CSCF602
General Forensic Tools and Techniques	4MCI503	4CSCF603
Blockchain Technology	4MCI504	4CSCF604
Incident Response and Cyber laws	4MCI505	4CSCF605
Web Application and Web Security	4MCI506	4CSCF606
Forensic phonetics, Psycholinguistics, Voice analysis and Speaker Recognition	4MCI507	4CSCF607
Storage Management and Security	4MCI508	4CSCF608
Internet of Thing Security	4MCI509	4CSCF609
Managing Big Data	4MCI510	4CSCF610
File System Forensic Analysis	4MCI511	4CSCF611
Computer Basics and Cyber Crime	4MCI601	4CSCF612
Cloud Security	4MCI602	4CSCF613
Ethical Hacking	4MCI603	4CSCF614

Table A5.6 M. Tech - Intelligent Systems

	Batch 2020-2021	AY 2021-2022
Computational Intelligence	4MIS101	4ENIS501
Architecture Of Intelligent Systems	4MIS102	4ENIS502
Recommender Systems	4MIS103	4ENIS503
Information Retrieval	4MIS104	4ENIS504
Research Methodology & IPR	4MMC101	4RESE501
Pedagogy Studies	4MAC101	4EDGS501
Human-Computer Interaction	4MIS111	4ENIS505
Fault Tolerant Systems	4MIS112	4ENIS506
Sensor Networks and IoT	4MIS113	4ENIS507
Pattern Recognition Techniques	4MIS114	4ENIS508
Data Analytics using Python	4MIS201	4ENIS509
Intelligent Mobile Robotics	4MIS202	4ENIS510
Agent Based Systems	4MIS203	4ENIS511
Cognition and Cognitive Process Modelling	4MIS204	4ENIS512

Mini Project	4MMP205	4DISS701
Value Education	4MAC201	4EDGS502
Soft Computing	4MIS211	4ENIS513
Natural language processing	4MIS212	4ENIS514
Genetic Algorithm	4MIS213	4ENIS515
Internship	4MIP302	4DISS702
Project Work – I	4MPW301	4DISS703
Reinforcement Learning	4MIS311	4ENIS601
Time Series Analysis	4MIS312	4ENIS602
Intelligent Control Systems	4MIS313	4ENIS603
Intelligent Systems	4MIS321	4ENIS604
Text Analytics	4MIS322	4ENIS605
Human Machine Interface	4MIS323	4ENIS606
Project Work – II and Dissertation	4MPW401	4DISS704

Resolution: BOS08R10: The change in course codes of M.Tech Programmes as in Table A5.6 were approved.

BOS08Rem01: Syllabus content: Remarks were made by the BoS Members as follows.

Java Application Developments course with OOPs concepts should be included in the curriculum before 5th Semester of B. Tech IT (CTIS)

Two or three core courses related to Information Security to be introduced in B. Tech IT (CTIS).

NoSQL course is recommended as a core course and not as an elective (as is currently offered). Either NoSQL or Mongo DB may be introduced as a core course in B. Tech IT (CTIS).

The course Random Processes is recommended as a core course and not as an elective course in 5th semester of B. Tech (CCE).

Linear Algebra and Optimal Learning topics are strongly recommended in the mathematical course/s for M. Tech (AI).

Courses related to Data Science like NoSQL may be introduced in M. Tech (DS)

Year of publication and the edition may be included for all text books and reference books in syllabi of M. Tech (CFIS) and M. Tech (IS)

Resolution BOS08R11:

Java Application Developments course with OOPs concepts will be included in the curriculum in the 4th Semester of B. Tech IT (CTIS)

Agenda 5.10: As per the Early Release Policy, the number of credits for B. Tech – (ECE) to be reduced from 20 to 17 in the 8th Semester and increased from 21 to 24 in the 7th Semester as per Table A5.7.

Table A5.7: B. Tech - ECE		
	Batc 2020-21	AY 2021-22
Number of credits in 7 th Sem	21	24
Number of credits in 8 th Sem	20	17
Courses in 8 th Sem	4BEC802: Image and video processing 4BEC803: Wireless Communication and 4BEC804: Optical communication	4BEC703: Internship, 4BEC7XX: Elective – IV
Courses in 7 th Sem	4BEC703: Internship, 4BEC7XX: Elective – IV	4BEC: Image and Video Processing 4BEC803: Wireless Communication and 4BEC804: Optical Communication

Agenda A5.11: Increase one additional credit (tutorial) for the course 4BEC802: Image and Video Processing and modify /revise the syllabus suitably to top up with 170 credits for the award of B. Tech degree

Resolution BOS08R14: The credit structure for 4BEC802 Image and Video Processing will be as per Table A5.8 and the content revised suitably is approved.

Table A5.8: Credit Structure in 4BEC802: Image and Video Processing		
	Batch 2018-2019, 2019-2020, and 2020-2021,	AY 2021-22
4BEC802: Image and Video Processing	L-T-P-C: 3-0-0-3	L-T-P-C: 3-1-0-4

Agenda A5.12: Proposal to introduce Professional Elective Courses in 5th, 6th, 7th, and 8th Semester

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Resolution BOS08R15: The following Professional Elective Courses in 5th, 6th, 7th, and 8th Semester are accepted and approved

1. 4BEC514 – Cloud Computing
2. 4BEC515 – Digital Switching Systems
3. 4BEC624 – Introduction to Hybrid and Electric Vehicle
4. 4BEC734 – Adaptive Signal Processing
5. 4BEC735 – Advanced Digital Communication
6. 4BEC744 – Multimedia Communication
7. 4BEC745 – Bio-medical Signal Processing
8. 4BEC854 – Advanced Embedded Systems
9. 4BEC855 – 4G and 5G LTE (4G LTE Advanced and 5G – see below)
10. 4BEC856 – Optical Networks
11. 4BEC857 – Multi-Rate Systems and Filter Banks

Agenda A5.13: Proposal to change the course codes as in Table A5.9

Resolution BOS08R16: The changes in the course codes as in Table A5.10 in Dept. of Electronics and Communication Engineering were presented and approved

Table A5.9: Change in course codes in Dept. of ECE

	As on Date	Batch 2018-2019	Batch 2019-2020 and 2020-21
Satellite Communication	4BEC625		4BEC625
Fundamentals of Machine Learning	4BEC627	4BEC512	4BEC512
Secure Communication	4BEC736	4BEC736	4BEC736

BOS08Rem02: The BOS members also suggested the following:

- Module V has to be revised based on industry standards in the professional elective course 4BEC515: Digital Switching Systems.
- The professional elective course 4BEC626: Image Processing has to be removed, since the same is offered as a core course in the 7th Semester.

- The contents in the syllabus of the professional elective course 4BEC744: Multi-media Communication has to be revised.
- In the professional elective course 4BEC745: Bio-Medical Signal Processing, topics on CT Scan and MRI have to be included in Module V.
- In the professional elective course 4BEC855: 4G and 5G LTE, it was suggested to change the title to 4G LTE Advanced and 5G. The new title to read as 4BEC855: 4G LTE Advanced and 5G. Further, it was suggested that the contents of the syllabus be revised accordingly.
- It was suggested to add introductory topics in Module III: Passive Optical Networks in the professional elective course 4BEC856: Optical Networks
- In the professional elective course 4BEC857: Multi-Rate Systems and Filter Banks, it was suggested to change the title to 4BEC857: Multi-Rate Systems, Filter Banks and Wavelets.

Resolution BOS08R17: All the suggestions in BOS08Rem02 are incorporated.

C. Department of Mechanical Engineering (B. Tech (ME), and M. Tech (CAD/CAM))

Agenda A5.14: As per the Early Release Policy for placement and reducing the credit load in 8th Semester, the number of credits for B. Tech – ME to be reduced from 20 to 17 in the 8th Semester and increased from 20 to 23 in the 7th Semester as in Table A5.10.

Resolution – BOS08R18: The number of credits to be reduced in 8th Semester to 17 and increase to 23 in the 7th Semester for B. Tech – ME is approved as shown in the Table A5.11.

Table A5.10: B. Tech - ME		
	Batch 2020-21	AY 2021-22
Number of credits in 7 th Sem	20	23
Number of credits in 8 th Sem	20	17
Courses in 8 th Sem	4BME802: Fluid Power Automation 4BME803 Operations Management 4BME804 Mechatronics	4BME703 Internship 4BME74X Elective IV
Courses in 7 th Sem	4BME703 Internship 4BME74X Elective IV	4BME802 Fluid Power Automation

		4BME803 Operations Management 4BME804 Mechatronics
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BOS08Rem03: Suggestions by BOS members regarding the B. Tech (ME) courses

- In the B. Tech course 4BME481: Introduction to Robotics, the topics - degrees of freedom, work volume and the definition of robot to be included in Module I
- In the B. Tech course 4BME103: Computer Aided Engineering Drawing and Rapid Prototyping, the reference 'A Primer on Computer Aided Engineering Drawing. VTU. (2006)' has to be excluded
- In the I and II Sem syllabus of AY 2021-22, description of P-V diagrams: Otto and Diesel Cycles has to be included and heat balance chart has to be removed in Module I, the topic performance of refrigerants has to be included the topic COP has to be deleted in Module II and the topic Introduction to Additive Manufacturing has to be included in Module III of the course Elements of Mechanical Engineering and Workshop
- For the course Sociology of Globalization and Sustainable Development, the course code is changed from 4BHS5B1/6A1 to 4BHS5B1
- For the course Business Management for Engineers the course code is changed from 4BHS6B1/5A1 to 4BHS6B1

Resolution BOS08R19: All the above suggestions will be implemented

M.Tech (CAD/CAM) Program:

Agenda A5.15: It is proposed to change the course codes of M. Tech CAD/ CAM program as given below in the Table A5.11

Table A5.11: MECHANICAL ENGINEERING – M. Tech Program			
Computer Aided Design / Computer Aided Manufacturing			
Sl. No	Course	Previous Code	Modified Code
1	Mathematics for CAD/CAM	4PME101	4MATH501
2	Computer Graphics for CAD/CAM	4PME102	4ENC501
3	Automation & CIM	4PME103	4ENC502
4	Advanced FEA	4PME104	4ENC503
5	Research Methodology & IPR	4PME107	4RESE501
6	Flexible Manufacturing Systems	4PME201	4ENC504
7	Industrial Robotics	4PME202	4ENC505
8	Computer Aided Process Planning	4PME203	4ENC506
9	Mini Project	4PME206	4DISS700
10	Automation in Manufacturing	4PME301	4ENC507

11	Internship	4PME304	4DISS701
12	Project Work – I	4PME305	4DISS702
13	Total Quality System & Engineering	4PME401	4ENCD508
14	Technical Seminar	4PME402	4ENCD512
15	Project Work – II and Dissertation	4PME403	4DISS703
16	Advanced Materials Engineering	4PME151	4ENCD601
17	Advance Tool Design	4PME152	4ENCD602
18	Interactive Computer Graphics	4PME153	4ENCD603
19	Advanced Optimization Techniques	4PME154	4ENCD604
20	CNC & Robotics	4PME161	4ENCD605
21	Competitive Manufacturing system	4PME162	4ENCD606
22	Product Design and PLM	4PME163	4ENCD607
23	Design and analysis of experiments	4PME164	4ENCD608
24	Virtual Manufacturing	4PME241	4ENCD609
25	Additive Manufacturing	4PME242	4ENCD610
26	Modelling and simulation of Manufacturing system	4PME243	4ENCD611
27	Design for Manufacturing and assembly	4PME244	4ENCD612
28	Diagnostics Maintenance and Monitoring	4PME251	4ENCD613
29	Work Engineering and Ergonomics	4PME252	4ENCD614
30	Advanced Mechatronics	4PME253	4ENCD615
31	Statistic and Quality Management	4PME254	4ENCD616
32	Advanced Vibration Engineering	4PME321	4ENCD617
33	Concurrent Engineering	4PME322	4ENCD618
34	Reliability Engineering	4PME323	4ENCD619
35	Digital manufacturing	4PME324	4ENCD620
36	Advanced Mechanics of Solids	4PME331	4ENCD509
37	Collaborative Manufacturing	4PME332	4ENCD510
38	Robotic Programming	4PME333	4ENCD511

Resolution BOS08R20: The proposed Course code changes are approved, further no changes in the syllabi are recommended

D. B. Tech (CIVIL) Program:

Agenda A5.16: As per the Early Release Policy for placement and reducing the credit load in 8th Semester, the number of credits for B. Tech – CIVIL to be reduced from 20 to 17 in the 8th Semester and increased from 20 to 23 in the 7th Semester as in Table A5.12.

Resolution – BOS08R21: The number of credits will be reduced in 8th Semester to 17 and increase to 23 in the 7th Semester for B. Tech – CIVIL is approved as shown in the Table A5.12.

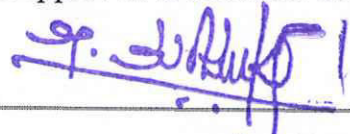


Table: A5.12: B. Tech (CIVIL)		
	AY 2020-21	AY 2021-22
Number of credits in 7 th Sem	20	23
Number of credits in 8 th Sem	20	17
Courses in 8 th Sem	Pre-stressed Concrete Air Pollution Environmental Impact Assessment	4BME703 Internship 4BME74X Elective 4
Courses in 7 th Sem	4BME703 Internship 4BME74X Elective 4	Pre-Stressed Concrete Air Pollution Environment Impact Assessment

Agenda A5.17: It is proposed to change the course codes of the B. Tech CIVIL courses as shown in Table A5.13.

Table A5.13: Change in course codes and credit structure for B. Tech (CIVIL)		
	AY 2020-21	AY 2021-22
Sociology of Globalization and Sustainable Development	4BHS5B1/6A1	4BHS5B1
4BCE309: Planning and Design of Building	L-T-P-C: 1-2-0-3	L-T-P-C: 1-0-2-3

Resolution - BOS03R22: Changes in course code and credit structure as per Table A5.13 has been approved.

The Member Secretary presented the concluding remarks.

BOS08Rem04: During the Concluding remarks, Dr. C Amarnath opined that while IPR would be a useful course as a common core course, it would be better to involve some good experts.

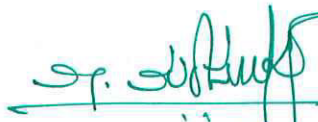
Resolution BOS08R23: The suggestion was accepted.


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Vote of thanks: The Chairman, Dr. C. Prabhakar Reddy proposed the Vote of Thanks. He thanked all the external BOS members for their active involvement and constructive suggestions, the internal BOS members and all the teaching and non-teaching staff members, who participated very actively in the 8th BOS meeting.



(R. Harish)

Member Secretary


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PROGRAMME REGULATIONS 2021**SCHOOL OF ENGINEERING AND TECHNOLOGY****PROGRAMME: B. TECH (ALL PROGRAMMES)**

Regulation No.	Existing	Amendment/s Requested	Reasons for Amendment/s (if any)
B. Tech Regulations 2017 17BSET3.14	MIN 18 CREDITS MAX 26 CREDITS	MIN 16 CREDITS MAX 28 CREDITS	The change in the credit structure will allow students to register for extra courses in middle semesters and clear any backlogs and lowering the number of credits allows them to get placed early and have lesser course load towards the end of the program


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SIGNATURE OF THE DEAN / DIRECTOR

DATE: 03-07-2021


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10/10/2020



MINUTES OF THE BOARD OF STUDIES MEETING (Virtual)

AY 2021-22 : BOS - 4

SCHOOL OF SCIENCE STUDIES

Date : Monday, 5th July, 2021

Time : 10:15 a.m

Venue: OMBR Campus, CMR University, Bangalore

Members present:

- | | | |
|--|---|--------------------|
| 1. Dr. C M Bhaskar Reddy
Pro Vice Chancellor, CMRU | - | Chairperson |
| 2. Mr. Dilip Achani
Director, Seamedu | - | Member |
| 3. Prof Manju S
Asst Professor | - | Member |
| 4. Prof Ramesh Kumar K,
Asst Professor | - | Member |
| 5. Prof Roger Walker
Asst Professor | - | Member |
| 6. Dr.Asha V
Professor & HOD, Department of MCA,
New Horizon College of Engineering | - | Member |
| 7. Mr.Rahul Malani
General Manager, Landmark Group | - | Member |
| 8. Ms.Purva Gadre
Photojournalist & Documentary Photography | - | Member |
| 9. Mr.Virendra Valsangkar
Director, Filmmaker - National Award Winner | - | Member |
| 10. Mr.Anoop Chaphekar
Studio Head , Toolbox VFX Studio | - | Member |
| 11. Mr.Johnston Dsouza
Live Sound, Mixing & Mastering Engineer | - | Member |
| 12. Mr.Krishna Kumar
Independent Game Developer | - | Member |
| 13. Mr.Raj Kumar M
Senior Software Engineer , Zynga Games Network India Pvt. Ltd. | - | Member |
| 14. Mr.Krishna Kumar
Independent Game Developer | - | Member |
| 15. Mr.Abid Shaikh
HOA , Seamedu, Pune | - | Invitee |
| 16. Ms. Manasi Raut
HOD , Seamedu, Pune | - | Invitee |

17. Mr. Sameer Talwalkar Senior HOA , Seamedu, Pune	-	Invitee
18. Mr. Abid Shaikh HOA , Seamedu, Pune	-	Invitee
19. Mr. Puneet Samtani Senior HOA , Seamedu, Pune	-	Invitee
20. Mr. Mangesh Thombare Senior Faculty, Seamedu, Pune	-	Invitee
21. Dr. Suja Bennet Dean – Academics, CMRU	-	Invitee
22. Prof . Radha Sridharan Assistant Professor – SOSS	-	Invitee
23. Prof. Sukanya N S Assistant Professor – SOSS	-	Invitee
24. Prof Jayanthi M Coordinator - SOSS	-	Member Secretary

Proceedings

- **Welcome by Prof. Sukanya N S**

Prof Sukanya N S , Asst Prof , SOSS, CMR University extended a warm welcome to all the Members and Invitees, and introduced the new Members of the Board of Studies to the gathering.

- **Prof Sukanya reads out the Agenda**

Agenda 1 : Welcome and introductory remarks by the Chairperson.

Dr. **Bhaskar Reddy**, Pro Vice Chancellor – CMR University extended a warm welcome to all the Members and Invitees and in his introductory remarks, requested the Members of the BOS to give their valuable suggestions for improving the syllabus.

Agenda 2: Confirmation of the previous Minutes of the Meeting AY 2020-21: BOS 03

The minutes of the previous Board of Studies meeting AY 2020-21: BOS 03 held on 1st August, 2020 was placed before the members by Prof Jayanthi M.

The action taken report on the Minutes of the Third Board of Studies meeting was reviewed by the members.

The Minutes of the Third Board of Studies Meeting was accepted by the Members.

Resolution - BOS04R01 : The action taken report of the Third Board of Studies was accepted and confirmed by the Members of the BOS.

Agenda 3: To consider and approve Programme Structure and Curriculum for AY 2021- 22 with respect to the following Programmes: (a) BCA (b) BSc (c) MCA

3.1 Change in the Programme Regulations of all UG/ PG programs to incorporate Common core, interdisciplinary courses into the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory graduate requirements.

BOS04Rem01 : Dr Suja Bennet , Dean Academics , CMR University briefed the members on the curriculum envisaged for the AY [2021-22]

The 3 pillars of CMR Curriculum are –Program Curriculum/Common Core Courses/Leap Programs .These three pillars will in turn reflect the 3 key aspects –Preparing for Success/Knowing Self and Community/Contribution to Society.

- o Inclusion of Interdisciplinary courses in the Program Curriculum
- o Common Core courses will be part of the credit structure.
- o The career preparedness component under preparing for success (Common Core) will be treated as mandatory graduate requirements.
- o The Community Service under Contribution to Society (common Core) will be treated as mandatory graduate requirements.
- o The LEAP programs will be treated as non-mandatory graduate requirements.

The members were appreciative of the inclusion of Common core and interdisciplinary courses in the Program Curriculum and treating Career preparedness program and Community Services as Graduate Requirements

Interdisciplinary courses offered by School of Science Studies for AY 2021-22 was proposed for approval

Web designing
Structured Query Language (SQL)
Python Programming Basics
Mobile App development

Resolution – BOS04R02 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

Agenda 4: To consider and approve New Programmes for AY 2021-22

4.1 The proposal to introduce two new BCA Specializations in Data Science and Cloud Computing with an intake of 60 students in each program was placed before the Members of the BOS for approval for AY 2021 – 22.

Resolution – BOS04R03: The board accepted and approved the two new specialization in BCA - Data Science and Cloud Computing with an intake of 60 students in each program for AY 2021-22

4.2 To introduce the Post Graduate Programme - Master of Computer Applications(MCA) was also placed before the Members of the BOS for approval for AY 2021 – 22.

Resolution – BOS04R04: The Board accepted and approved the new Programme MCA with an intake of 60 students for the AY 2021-2022

4.3 To rename the BCA(Gaming and Mobile Development) to BCA(Game Development) was also placed before the Members of the BOS for approval for AY 2021 – 22.

Resolution – BOS04R05: The Board accepted and approved the new title change to BCA(Game Development).

Agenda 5: To consider and approve the Scheme of Teaching and Evaluation(STE) of the programmes of BCA , BSc and MCA for AY 2021-22

5.1 The Programme Structure and Syllabus for the AY 2021 – 22 for the BCA programmes Batch 2019-22 and Batch 2020-23

There were no modifications in the syllabus and Evaluation of Batch 2019-22 and Batch 2020-23.

Resolution - BOS04R06 :The STE of Batch 2019 and 2020 was approved by the Board of Members .

5.2 The Programme Structure and Syllabus for the AY 2021 – 22 for the BSc programmes Batch 2019-22 and Batch 2020-23

There were no modifications in the syllabus and Evaluation of the Programmes of BSc(Visual Effects),BSc(Game Art and Design), BSc(Film Making) of Batch 2019-22 and Batch 2020-23.

Modifications were made to the STE of BSc (Sound Engineering) and BSc(Photography) Batch 2019-22,Batch 2020-23.

BOS04Rem01:

Changes proposed in B.Sc Photography 2019, 2020.

5th Semester B.Sc Photography Batch 2019,

5.2.1 Courses on Photography i.e. 1. Travel Photography, 2. Landscape & Wildlife Photography was proposed to merge as a single course, Travel, Landscape & Wildlife Photography.

5.2.2 The following new courses were proposed to be included in the 5th Semester Batch 2019.

1. Introduction to Advertising Photography
2. Introduction to Fine Art & Conceptual Photography
3. Advanced Image Processing

6th Semester B.Sc Photography Batch 2019,

5.2.3 The course Advanced Product Photography was renamed to Advanced Product & Food Photography.

3rd Semester B.Sc Photography Batch 2020,

5.2.4 The course Studio Lighting & its types-II was renamed to Studio Lighting.

5.2.5 The course Digital Image Processing is now renamed as Digital Imaging-II (Practical).

5.2.6 The Course Product Photography & Still Life (Practical) is newly introduced.

5.2.7 The Course Media Management is newly introduced.

5.2.8 The Course Advertising is newly introduced.

4th Semester B.Sc Photography Batch 2020,

5.2.9 The Course, Fashion Photography-I (Practical) is newly introduced.

5.2.10 The Course, Photojournalism & Documentary Photography is newly introduced.

5.2.11 The Course Career Development is newly introduced.

Changes proposed in B.Sc Sound Engineering 2019, 2020.

5th Semester B.Sc Sound Engineering Batch 2019,

5.2.12 The Course, Game Audio (Practical) is newly introduced.

3rd Semester B.Sc Sound Engineering Batch 2020,

5.2.13 The Course, Digital Audio Workstation-II Logic Pro X (Practical) was newly introduced.

5.2.14 The Course Media Management is newly introduced.

5.2.15 The Course Advertising is newly introduced.

4th Semester B.Sc Sound Engineering Batch 2020,

5.2.16 The Course, Digital Audio Workstation-III Ableton LIVE (Practical) was newly introduced.

5.2.17 The Course, Digital Audio Workstation-II Logic Pro X (Practical) was newly introduced.

5.2.18 The Course, Game Audio (Practical) is newly introduced.

5.2.19 The Course Career Development is newly introduced.

Resolution - BOS04R07 : The STE of the BSc programmes of Batch 2019-22, Batch 2020-23 were accepted and approved by the Board of Members after due consideration of the feedback and suggestions of the board.

5.3 The Programme Structure and Syllabus for the AY 2021 – 22 for the BCA(G), BCA(Data Science), BCA(Cloud Computing) , BCA (Game Development) programmes Batch 2021-24 .

BOS04Rem02 : In all BCA programmes the title of the course Software Engineering was suggested to be renamed as Software Engineering and Testing.

BOS04Rem03: Recommended to include a course on Numerical techniques/Methods in BCA (G).

BOS04Rem04: In BCA(Data Science) the Board recommended to offer Artificial Intelligence and Machine Learning as 2 different courses instead of the single course Artificial Intelligence and Machine Learning

BOS04Rem05: Also recommended to include Deep Learning as an elective course.

BOS04Rem06: To deliver Statistics before Introduction to Data Science as it is the foundation for the Data Science Course and to move Discrete Mathematics from I Semester to II Semester.

No other changes were recommended for BCA(Cloud Computing) and BCA(Game Development)

5.4 The Programme Structure and Syllabus (STE) for BSc(Visual Effects) ,BSc(Game Art and Design), BSc(Film Making), BSc (Sound Engineering)and BSc(Photography) for the AY 2021 – 22 for the programmes Batch 2021-24 .

BOS04Rem07: The board after detailed discussion approved the Programme Structure and Syllabus for all the above mentioned B.Sc Programmes for Batch 2021-24.

5.5 The Programme Structure and Syllabus (STE) for Master of Computer Applications for the AY 2021 – 22 for the programmes Batch 2021-24 .

BOS04Rem08 : The members of the board suggested to swap Design and Analysis of Algorithms from II Semester with Operating Systems in the third semester.

Resolution - BOS04R08: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the BCA (G), BCA(Data Science), BCA(Cloud Computing), BCA(Game Development), B Sc(Photography), BSc(Visual Effects),BSc(Game Art and Design), BSc(Film Making), BSc(Sound Engineering) for the (AY2021-22) after due consideration of the feedback and suggestions of the board.

Agenda 6: Syllabus modification AY 2021-22

The modifications made were proposed and submitted to the members of the board where there were changes in the STE AY2021-22.

No modifications in the existing courses. Whereas, new courses were introduced and the same was approved.

Resolution - BOS04R09 : The proposed modifications in the STE were approved by the Board Members

Agenda 7: To consider and approve the Assessment and Evaluation for AY 2021-22

The Assessment and Evaluation pattern was presented to the BOS.

The Assessment components were submitted to the Members for approval

The break up followed for the Internal component and external exam component of 50% each was submitted.

Resolution – BOS04R10: The Board approved the proposed assessment and evaluation.

Agenda 8: To consider and approve the question paper pattern for AY 2021-22

The question paper pattern for both the online and offline was presented, the online pattern was approved in the BOS -03

Resolution – BOS04R11: The Board approved the same and approved the school to follow the same pattern

Agenda 9: To consider and approve the Panel of Examiners for AY 2021-22

The panel of examiners consisting of both internal and external examiners was presented to the BOS.

The board was happy with the ratio of external and internal examiners.

Resolution – BOS04R12: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

Agenda 10: To consider and approve the Academic Calendar of events (AY 2021-22)

The Academic Calendar of Events (AY 2021-22) was presented to the BOS.

Resolution – BOS04R13: The Board approved the Academic Calendar of Events.

Agenda 11: To consider and approve the Co/ Extra – Curricular activities Calendar of Events (AY 2021-22)

The Co Curricular and Extracurricular Activities Calendar of Events (AY 2021-22) were presented to the BOS.

Resolution – BOS04R14: The Board approved the co curricular and extracurricular Calendar of Events.

Agenda 12: To consider and approve the Amendments in Programme Regulations- UG and PG

As per the new curriculum AY 2021-22 it was proposed

1.To incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

2.To approve the interdisciplinary courses offered by the School of Science Studies.

Resolution – BOS04R15: The Board approved the Amendments in the programme regulations from AY 2021-22.

Agenda 13: Any other matters with the permission of the Chair

BOS4Rem : Hybrid system of learning could be considered while designing the curriculum delivery method.

Passing of the Resolutions

Resolution - BOS04R01 : The action taken report of the Third Board of Studies was accepted and confirmed by the Members of the BOS.

Resolution – BOS04R02 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

Resolution – BOS04R03: The board accepted and approved the two new specialization in BCA - Data Science and Cloud Computing with an intake of 60 students in each program for AY 2021-22

Resolution – BOS04R04: The Board accepted and approved the new Programme MCA with an intake of 60 students for the AY 2021-2022

Resolution – BOS04R05: The Board accepted and approved the new title change to BCA(Game Development).

Resolution - BOS04R06 : The STE of Batch 2019 and 2020 was approved by the Board of Members .

Resolution - BOS04R07 : The STE of the BSc programmes of Batch 2019-22, Batch 2020-23 were accepted and approved by the Board of Members after due consideration of the feedback and suggestions of the board.

Resolution - BOS04R08: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the BCA (G), BCA(Data Science), BCA(Cloud Computing), BCA(Game Development), B Sc(Photography), BSc(Visual Effects),BSc(Game Art and Design), BSc(Film Making), BSc(Sound Engineering) for the (AY2021-22) after due consideration of the feedback and suggestions of the board.

Resolution - BOS04R09 : The proposed modification were approved by the Board Members

Resolution – BOS04R10: The Board approved the proposed assessment and evaluation.

Resolution – BOS04R11: The Board approved the same and approved the school to follow the same pattern

Resolution – BOS04R12: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

Resolution – BOS04R13: The Board approved the Academic Calendar of Events.

Resolution – BOS04R14: The Board approved the co curricular and extracurricular Calendar of Events.

Vote of thanks:

The meeting concluded with a Vote of Thanks by Prof Radha S, Asst Prof to all the Members for the valuable contributions made by them in making the curriculum more robust.

Member Secretary
Prof Jayanthi M

Minutes of the Tenth Board of Studies Meeting
held by School of Architecture, CMR University (Lakeside Campus)
on Monday, June 30, 2023 at 10:30 am, held offline

Dr. N.V. Subba Reddy	- Chairperson (Pro-Vice Chancellor, CMRU)
Prof. Renuka Oka	- Member, CMRU SOA
Prof. Tintu Jessy Joseph	- Member, CMRU SOA
Prof. Haritha Preethi	- Member, CMRU SOA
Ar. Sanjith Raaju	- Member, CMRU SOA
Dr. Anup Naik	- Member
Dr. Suja Bennett	- Invited member (Dean Academics, CMRU)
Dr. K.S. Anantha Krishna	- Invited member
Ar. Ajay Gupta	- Invited member
Ar. Pooja Narain	- Invited member (CMRU Alumni)
Prof. Muralidhar K	- Member Secretary, (Director, CMRU SOA)

Members on Leave:

Dr. Dinesh Verma	- Member
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10:45 a.m

BOS 01: Welcome the members - Chairman- BOS.

The Pro-Vice Chancellor welcomed all the members to the 10th BOS meeting conducted at the School of Architecture, CMR University (lakeside campus). The meeting proceeded in a sequential manner, as per the agenda.

The Pro Vice-Chancellor highlighted several key points that need to be taken into consideration while formulating the Board of Studies (BOS)

- Gathering inputs from current students regarding their experiences and suggestions.
- Inviting inputs from teaching faculty members to improve and elevate the institute to a higher level.
- Highlighting the institute's commitment to implementing best practices and emphasizing its uniqueness compared to other institutions.
- Considering industry requirements and incorporating them into the institute's strategies.
- Addressing the aspirations and expectations of parents, who are important stakeholders.
- Considering and adhering to the guidelines of CoA.

10:52 a.m

BOS 02: To read and confirm the minutes of the 9th Meeting of the BOS held on 09-05-2022

The Director of SOA extended a warm welcome to all attendees with a recap of the previous Board of Studies (BOS) meeting, providing a quick overview. The key points, such as discussions on syllabus modifications and proposed actions, were briefly outlined. Additionally, the Director shared the resolutions that were agreed upon in the previous meeting.

10:55 am

BOS 03: To present the Action Taken Report on the 9th Meeting.

The Director presented an overview of the Action Taken Report, with a particular emphasis on the progress made in implementing the SEE written examination to viva voce for Building Construction & Materials (BCM). Furthermore, the Director elaborated on specific points covered in the Action Taken Report, providing detailed explanations for each which included module based teaching and the incorporation of CCC as a graduate requirement.

11.00 am

BOS 04: To present and ratify the SOA curriculum for B.Arch. for the 2023 batch for the (semester 01 and semester 02)

- The Director elaborated the syllabus modifications in the courses that included Architectural Design, Building Construction & Materials, History of Architecture, Theory of Architecture, Sociology and Economics, Art Appreciation, Disaster Resilient Structures, Graphics and elective courses. Furthermore the incorporation of Common Core Courses (CCC) as credit courses in the curriculum was discussed.
- Additionally, a briefing was provided on the Common Core Curriculum (CCC), emphasizing its key properties and the semester-wise distribution of the CCC courses. The Director also discussed the existing program structure for batches 2020,2021 and 2022, where CCC and Community Service are a Graduate Requirement (GR) and are non-credit courses in addition to the regular courses.
- It was also highlighted by the Director that during the pre-BOS meeting, the Vice Chancellor provided a significant suggestion to include all the CCC Curriculum courses as accredited courses in the STE document. This suggestion aimed to reduce the workload for students and the proposal for the STE document modifications were made accordingly.

- Dr. Anup Naik introduced the concept of Course Flexibility and Credit Banking, proposing an option for students to take CCC courses at their convenience and bank the credits. Furthermore, he suggested the need to develop a framework to support this concept and explore the possibility of adding additional credits to the system.
- The discussion revolved around the nature of CCC courses at CMR University and whether they are subject-specific or interdisciplinary. It was determined that the CCC courses at CMR University are primarily common courses at the university level, aimed at enhancing life skills.
- The Dean Academics acknowledged that CMR University encompasses disciplines beyond architecture, requiring a broader consideration of subjects. In contrast, Dr. Anantha Krishna explained about other universities like C.E.P.T which focuses primarily on design and specific disciplines such as civil engineering. He raised the question of whether incorporating CCC courses in CMR University would dilute the architectural subjects in comparison to these universities.
- The Dean Academics emphasized that the incorporation of CCC courses at CMR University does not dilute the architectural subjects but rather adds value as an additional course. She further explained that this decision was made to ensure that students have access to a well-rounded education that fosters creative thinking, critical analysis, and interdisciplinary skills.
- Dr. Anup Naik proposed to align studio projects with community service, allowing the university to address both agendas simultaneously. By integrating community service within studio projects, the university can potentially obtain patents for the designs created in the studio and oversee their execution. This approach offers the advantage of accessing funds, prototyping, and other resources through the embedded community service component.
- Dr. Anup Naik explained the Strengthsfinder tool, which was being used in his organization to identify individual strengths. As architecture work often involves teamwork, this approach aids in tailoring classes based on each student's interests and strengths.
- Dr. Anantha Krishna noted the significant differences between practicing architecture and teaching it, and emphasized the need to connect these aspects for academic purposes.
- Dr. Anantha Krishna highlighted the gap between practicing and teaching architecture, emphasizing the need to bridge this divide for academic purposes.

- Ar. Ajay Gupta emphasized the significance of identifying strengths early on to facilitate progress and also emphasized the importance of preparing students for successful careers, including entrepreneurship skills.
- Dr. Anantha Krishna mentioned the concept of an academic cafeteria introduced in the New Education Policy (N.E.P), allowing students the choice of courses of their interest. Ar. Ajay Gupta suggested making selective changes, up to 20% of the syllabus, to build a culture where not only design but also other skills are valued, such as construction technology, management, and research as potential areas of exploration.

Resolution : The members of the BOS unanimously approved the inclusion of CCC courses as an integral part of the curriculum within the total 260 credits.

11:25 am

BOS 04 : a) To present the Incorporation of CCC in the program structure.

- The Director presented a sample restructuring of the proposed syllabus (Semester 04) wherein Design Thinking, Oral & Written Communication, Personal Effectiveness & Community Services were the CCC courses offered for the semester.
- The first point of discussion was regarding Design Thinking, wherein Dr. Anup Naik proposed the inclusion of Design Thinking as a module within Architectural Design Studio, integrating it as part of the curriculum rather than a separate theory class. The idea suggested was to introduce short bursts of design thinking every week during Architectural Design sessions.
- Furthermore, Dr. Anup Naik suggested that Design thinking can be handled in two parts as 1 - Approach & 2 - Problem Solving and suggested that Problem Solving can be incorporated into one of the courses by the Common Core, aligning it with the Design course to enhance its practical application and relevance.
- Dr. Anantha Krishna expressed the view that Design Thinking may not be as beneficial as believed. However, Prof. Renuka highlighted that feedback collected from previous year students contradicts this notion, suggesting that design thinking has proven to be valuable.
- The second point of discussion was regarding the Oral and Written Communication course wherein Dr. Anantha Krishna proposed integrating the Oral and Written Communication course within the Design studio curriculum. This approach would enable students to develop their skills in articulating their design ideas through verbal communication and written expression. Instead of teaching generic English writing skills unrelated to architecture, this approach would ensure that communication training aligns with the specific needs and context of the field.

Notes : The incorporation was received well by the BOS members along with a suggestion of integrating CCC within the design curriculum, rather than teaching them as separate courses.

11:47 am

The Director introduced the learning circle as a teaching and learning concept developed for the school.

- The Director explained that the subjects are aligned to the concept of looking closely, and this approach is carried forward throughout the semesters. References to Harvard and Bauhaus circle were mentioned in the discussion.
- Dr. Anup Naik suggested prioritizing unlearning in the first semester while Dr. Anantha Krishna advocated for a learning-unlearning-relearning process to transition from vertical to lateral thinking which will pave a strong foundation for the course. Dr. Anup Naik emphasized the importance of making the core courses dominant.
- Ar. Ajay Gupta emphasized that architecture has the potential to develop multiple skills, making it the best course for becoming a well-rounded individual. Therefore, the focus should be on holistic education.
- Dr. Anup Naik highlighted the importance of empathy-driven education, as education should not exist in isolation from society.

Notes : The members expressed their acknowledgement of the attempt and supported its implementation across all the semesters. The significance and relevance of incorporating humanities in the first semester was also appreciated.

11:52 am

BOS 04 : b) To present and ratify the syllabus modification for Architectural Design Course (Semester I to Semester IX) for batch 2023 - 2028

- The school presented the syllabus modification of the Architectural Design course throughout all the semesters. There exists a gap where the course is focused towards addressing scale and typology of an architectural program. The Director provided an explanation of how the new modifications aim to rectify this gap by shifting the emphasis towards methods of approaching design that account for increased scale and complexities as well. While doing so the course aligns well with the learning circle, making the 10 semesters of architectural design learning comprehensive.
- Dr. Anup Naik suggested that introducing climate understanding in Semester 3 might be too early to fully delve into design. Alternatively, it is proposed to split the topic into two

parts, with an introductory component in Architectural Design III and a more comprehensive exploration of complexities in senior semesters.

- Architectural Design IV was discussed by the Director, which previously had a focus on housing typologies. However, there has been a shift towards discussing modular design rather than specific typologies. Dr. Anup Naik provided an example of a group of students who ventured into UI/UX despite excelling academically, highlighting the importance of exploring diverse design avenues.
- Ar. Ajay Gupta emphasized that in academia, the comprehensive understanding of a building is often hindered by the issue of scale. By examining the building on a smaller scale and considering factors such as services, circulation, and other allied aspects, a more holistic understanding can be achieved in Architectural Design IV.
- Dr. Anup Naik expressed that by the end of the 6th semester, students have acquired a solid foundation and a comprehensive understanding of the course. Therefore, it is appropriate to consider their progress and capabilities at that stage. He mentions that the idea aligns with the perspective of the New Education Policy (N.E.P), which allows for an exit option at the end of the 3rd year if deemed suitable. This approach acknowledges the reasonable empowerment and readiness of students at that stage.
- Architectural Design VI was thoroughly discussed due to its significance, considering that the subsequent semester is dedicated to internships. The emphasis of this semester is on preparing students for their internships rather than focusing solely on design aspects.
- There was a detailed exploration of Architectural Design VII, which has been proposed as an "Urban Insert." The Director elaborated on the concept of this course which doesn't have to be limited to large-scale city programs with extensive programs. Instead, it can also provide an opportunity to create small, sensible insertions. Dr. Anup Naik emphasized the need for a unique program for each student based on their study. The members appreciated and acknowledged this approach during the discussion.
- Introducing adaptive re-use in Architectural Design VIII is seen as a positive approach, as it offers students the opportunity to explore a new method of designing with constraints. Examples such as converting offices into hospitals demonstrate the practical application of adaptive re-use was brought out by Ar. Ajay Gupta. Dr. Anantha Krishna highlights that learning adaptive re-use or tackling complex architectural projects is essential for students to be well-prepared for entrepreneurship.

Notes: The BOS approved and provided the authorization to proceed with the proposed changes for the upcoming semesters for Architectural Design.

12.15 pm

BOS 04 : c) To present and ratify the syllabus modification for Building Construction & Materials (Semester I to Semester IX) for batch 2023 - 2028

- The Director explained the course modification of Building Construction & Materials across all the semesters. The integration of courses was discussed, taking inspiration from well-managed and well-structured courses at CEPT by Dr. Anantha Krishna. Dr. Anup Naik emphasized that synchronization with structure is also important.
- Dr. Anantha Krishna proposed integrating the evaluation of the Building Construction and Materials course with design projects, applying construction techniques. It was suggested to include BCM faculty as part of the Design Studio team for a comprehensive understanding.

Notes: The BOS acknowledged the overall syllabus proposed across all the semesters and approved the Semester 1 & 2 contents to take it forward for the upcoming AY 2023-24.

12.30 pm

BOS 04 : d) To present and ratify the syllabus modification for History of Architecture (Semester I to Semester IX) for batch 2023 - 2028

- The restructuring of the History of Architecture course is proposed, with a focus on incorporating humanities, politics, patronage, and time dimensions.
- Dr. Anantha Krishna proposed teaching world history chronologically and distributing it among the semesters to offer students a comprehensive understanding. The suggestion also included using 3D models to study historical buildings, enabling students to gain a practical understanding of the theories and components involved.
- Further Prof. Renuka briefed how we merged History of Architecture and Theory of Architecture courses explaining that theory can be taught through historical context by teaching the application of the theory component across history.
- Dr. Anup Naik agreed to this idea and even suggested to bring out debates and the politics involved in history quoting the example of a renowned architecture project, The Glass Pyramid of Louvre designed by Architect I.M.Pei and his conversations with the government that will help the students understand the nuances of practice and entrepreneurship.
- The need for physical models and workshops in the learning process was emphasized and discussed.

Notes: The BOS appreciated the overall effort taken to relook at History across all the semesters and its integration with Theory of Architecture. The addition of Humanities as a regular course received positive feedback. Dr. Anantha Krishna proposed scaling down the syllabus of Semester 02, considering its extensive nature.

12.45 pm

BOS 04 : e) To present and ratify the syllabus modification for Electives (Semester I to Semester IX)

- Dr. Anantha Krishna suggested an open approach to electives, prioritizing the identification of experts and offering courses based on their expertise. This method aims to provide students with valuable and relevant learning experiences.
- The Director explained the elective that was newly introduced in the tenth semester for developing interaction with students and faculties, which was acknowledged by the members.
- Dr. Anup Naik suggested that the elective courses on semester 4, 5 and 6 shall have an emphasis on skill development like Critical Thinking within which Art Appreciation can be addressed instead of proposing it as a separate elective & theory-based electives can happen in 8, 9 and 10th semesters.
- Dr. Anantha Krishna was against the idea of bringing Art Appreciation in the 5th semester and insisted that it is better placed in the first semester. He also suggested that Sociology and Economics can be a compulsory subject and not be choice based.

01.00 pm

BOS 04 : f) To present and ratify the syllabus modification for Graphics (Semester I to Semester IX)

The Director explained about how the focus of the 1st semester is on developing hand skills, while the 2nd semester involves computerized skills in the proposed syllabus modifications in semester 01 & 02.

Dr. Anantha Krishna emphasized drawing isometric views for their individual design project for an integrated subject understanding.

01:05 am

BOS 05: To present the list of courses with activity based components assessment in the CIE / semester wise.

Notes: The members acknowledged the content of the agenda that was presented during the meeting.

BOS 06 : To present Table consisting of the no. of courses in each semester programme-wise under the following categories -

- 1) Program core**
- 2) Common Core**
- 3) Graduate Requirement**
- 4) Total**

Suggestions on improvement on credit distribution and program structure were given by Dr. Anantha Krishna addressing all the semesters one by one.

Points of Discussion on Credit Distribution:

- Credit distribution was discussed, ensuring fairness and avoiding disparity in contact hours and credits was pointed out by Dr. Anantha Krishna.
- It was agreed upon that there should be consistency in contact hours and credits across all semesters to avoid any disparity.
- The team discussed the need for a more open credit distribution system and acknowledged that the CoA document is only suggestive.

Points of Discussion on Program Structure:

Semester 01:

- Building Construction & Materials I - It was proposed to allocate 2 credits for the material component and add the remaining 3 credits to the architectural design course.
- Graphics I - The suggestion was to revise the graphics course by incorporating exercises that integrate individual design drawings, avoiding the repetition of common drawings among students. This approach aims to allow students to apply their design work in a more integrated manner within the graphics course.
- Basic Design I : It was agreed to integrate basic design concepts into the architectural design course.

Semester 02:

- Surveying and Levelling: It was proposed to integrate this course into the AD studio. The incorporation of GIS from the studio was suggested for the third semester.

Semester 03:

- Oral & Written Communication: The team proposed integrating oral and written communication skills with design exercises from the Common Core.
- Computer Applications: It was suggested to internalize digital techniques and avoid teaching it as a separate subject. The approach of teaching it on-the-go, as practiced by Srishti Institute of Art Design & Technology was commended.

Semester 04: No specific changes discussed.

Semester 05:

- Elective II - Sociology & Economics or Art Appreciation: It was suggested to include sociology as a regular course which was proposed as a choice.
- Art Appreciation: The team agreed that art appreciation should be introduced in the formative semesters (first semester) and that critical thinking could be brought in as an elective in this semester. It was proposed to incorporate art appreciation as an exercise within the critical thinking course by Dr. Anup Naik.
- Critical Thinking: The team discussed combining critical thinking with the Decode semester.

Semester 06:

- Elective III (Software Based) : The suggestion was made to remove software from the program structure and make it an open elective.

Semester 07:

- Internship: It was proposed to create a select list of offices and send students only to those offices for internships.
- The credit for this semester was also raised as a concern due to its disparity from other semesters.

Semester 08:

- Professional Practice: Concerns were raised about the relevance and usefulness of the course.
- Suggestions were made by Dr. Anup Naik to include topics such as banking systems, scope of services, legal aspects, and practical aspects of practicing architecture.
- The importance of practical examples rather than relying solely on textbooks was emphasized by Ar. Ajay Gupta
- Dr. Anantha Krishna emphasized the importance of having professional practice taught by architects who actively practice in the field, rather than non-practicing architects.

Semester 09: No specific changes discussed.

Semester 10:

- Credits: The team discussed the need to increase the credits for the tenth semester.

Additional Points of Discussion:

- Exploring the use of Artificial Intelligence (AI) as a design tool suggested by Ar. Pooja Narain.
- Dr. Anantha Krishna emphasized the importance of physical models which will bring a holistic understanding of scale to the design project.
- **Structures** : The analytical component and scientific aspects of structures were highlighted. The idea of sending teachers for training at CEPT was suggested.
- **Electives** : It was agreed that electives should be treated as true electives, allowing students to choose freely. Concerns were raised about trusting the choice of electives solely to the teachers. Dr. Anantha Krishna advised that more transparency and accountability are needed in the selection of electives. It was emphasized that electives do not necessarily have to be general and can be specialized based on individual preferences.
- The integration of Sociology & Economics, Critical thinking, and Art Appreciation courses was also recommended to enhance the breadth and depth of the curriculum.

Points of discussion on the Detailed Syllabus of Semester I & II

- Dr. Anantha Krishna suggested to scale down the content of History of Architecture II due to its vastness.
- Specific topics like anthropometry were highlighted for review and revision, including the detailed syllabus of Basic Design I & II, addressing similarities between the two.
- The team discussed the inclusion of design, structures, and graphics in the Building Construction & Materials course.

01:25 pm

BOS 07: To Present the industry facing courses identified programme-wise / semester-wise

The Designing for Greater Efficiency (DfGE) course that was offered by IFC as part of the industry facing courses which encouraged skill development, knowledge and attitude towards the low-carbon path.

01:27 pm

BOS 08: To ratify and continue the SOA curriculum for B.Arch. for the academic session 2023 - 24 for the 2019 batch.

Notes: The approval for the mentioned agenda was granted by the members of the Board of Studies (BOS).

BOS 09: To ratify and approve the proposal of the SOA curriculum for B.Arch. for the academic session 2023 - 24 for the 2020, 2021, 2022 and batches, till 7th and 8th semester.

Notes: The approval was granted by the BOS members and their endorsement signifies their agreement and support for the content presented in the agenda.

BOS 10: To consider providing authorization to the Dean, to recommend to the Vice Chancellor to introduce or modify the course content, structure and curriculum of B.Arch. as and when needed in coordination with the Director.

Notes: The approval for the mentioned matter was granted by the members of the Board of Studies (BOS)

BOS 11: Approval of Panel of Examiners (POE) for Academic Session 2023 - 24

Notes: The approval was granted by the BOS Members for the Panel of Examiners presented.

01:30 pm

BOS 12 : To present activities during the AY 22 - 23 at SOA

a) Architectural Design Thesis

Notes: The Director presented the outcome of the students from the Thesis and it was appreciated by the members. Intensive engagement of the students and faculties towards a focused outcome as well as the quality of work produced was appreciated by the members.

b) AD Studios

Notes: The Design studios of semester 02, 03 and 07 were presented by Prof. Renuka and the BOS members appreciated the methodology adopted and the output of the studios.

c) Electives

Notes: The electives presented brought about the diverse possibilities of architectural representation explored by the courses offered.

d) Full-scale workshops

Notes: The Director discussed the successful outcome of Full-Scale Workshops conducted during AY 22 - 23 continuation of it into further semesters were suggested.

e) Others

This section included the presentation of study tours, site visits, meeting the practitioners, NASA, College Events and paper presentations.

01:34 pm

BOS 13 : Any other subject with permission of the Chair.

Notes: No other subjects were specifically mentioned or addressed during this discussion.

01:45 pm

The meeting concluded with the vote of thanks by the Director and the members proceeded for Lunch.

Action Items:

Further discussions and revisions will be undertaken to address the concerns and suggestions raised during the meeting.

MEMBER SECRETARY

SCHOOL OF ECONOMICS AND COMMERCE

ELEVENTH BOARD OF STUDIES MEETING

INDEX

- A) SUGGESTED AGENDA**
- B) TEMPLATE FOR ACTION TAKEN REPORT**
- C) TEMPLATE FOR MINUTES OF THE BOARD OF STUDIES MEETING**
- D) TEMPLATE FOR SYLLABUS MODIFICATION IN DETAIL**
- E) TEMPLATE FOR SYLLABUS MODIFICATION(IN CONCISE)**
- F) TEMPLATE FOR AMENDMENTS IN THE PROGRAMME REGULATION**
- G) INVITATION TO BE BOS MEMBER**
- H) INVITATION TO ATTEND BOS MEETING**

A) AGENDA

Agenda

CMRU SOEC: *Board of Studies Meeting AY 2022-23: BOS 11*



READ AND RECORD THE AGENDA

BOS 01

Welcome and Introductory Remarks by the Chairperson

CONFIRMATION OF THE PREVIOUS MEETING MINUTES

BOS 02

To confirm the minutes of the 10th Board of Studies Meeting held on Tuesday, 29th June, 2021

ACTION TAKEN ON THE PREVIOUS MEETING MINUTES

BOS 03

To report action taken on the Minutes of the 10th Board of Studies Meeting held on Tuesday, 29th June, 2021.

ITEMS FOR CONSIDERATION

BOS 04

To consider and approve new programmes for AY 2022-23

BOS 05

To consider and approve programme structure and curriculum for AY 2022-23 with respect to the following details:

1. Current

Programmes

- (a) B Com
- (b) B Com (Hons.)
- (c) B Com (Hons. in IAF)
- (d) B Com (Hons. in IBF)
- (e) M. Com
- (f) PhD Coursework for Economics & Commerce

2. New Programmes

- (a) B Com CA Integrated
- (b) B Com Industry Integrated

BOS 06

To consider and approve changes in the existing programme structure and curriculum for B. Com and M. Com

BOS 07

To consider and approve the panel of examiners for AY 2022-23

BOS 08

To consider and approve Calendar of Events for AY 2022-23

BOS 09

Any other matters with the permission of the Chair.

B) ACTION TAKEN REPORT

Action Taken Report: Board of Studies Meeting

Meeting: AY 2022-23: BOS: 11th

Date: Friday, 6th May, 2022

Venue: CMRU City Campus, HRBR Layout, Bangalore.

AGENDA NO.	RESOLUTION / REMARKS	ACTION TAKEN
BOS02AT01	BOS02R01	NIL
BOS02AT02	BOS02R02	The members unanimously confirmed the minutes.
BOS02AT03	BOS02R03	NIL
BOS02AT04	BOS02R04 The members appreciated and confirmed the initiative taken by CMR University to introduce the new programmes and also resolved that henceforth the following programme will be called as: B. Com -Honours in IAF to B.Com-IAF	
BOS02AT05 To consider and approve programme structure and curriculum for academic year 2022-23	BOS02Rem01- Cloud based study material for subjects can be introduced with the help of IT enabled firms so that students can access the materials in leisure time.	
	BOS02Rem02- Relevant aspects related to IFRS & IND AS, etc., can be taken up in Management accounting at all programmes of B.Com.	

	<p>BOS02Rem03- -For B.Com CA integrated, along with IFRS Certification programme, other certification programmes can be introduced such as Rera & Insolvency. For B.Com General IT courses may have Introduction to Financial orientation to ERP oracle (as per the top ERP tools available in the market) preferably in 4th & 5th Semester. Orientation to robotics, blockchain can be taken up. Orientation programme in Do's and don'ts in crypto currency as introduction in 3-4 hour. Also students must be trained in Target proficiency in macros in excel and they should be taught the importance of team dynamics & collaboration with other students. etc.</p>	
	<p>BOS02Rem04- It is also suggested that case study methodology can be applied under blooms taxonomy in subjects where ever applicable.</p>	
	<p>BOS02Rem05- Having 50 marks weightage for internal assessment may be high and in future open book examination can be introduced in one semester.</p>	
	<p>BOSRES05 After a thorough deliberation on all the aspects of programmes & curriculum, the house accepted the programme structure and curriculum for AY 2022-23.</p>	

<p>BOS02AT06</p> <p>To consider and approve changes in the existing programme structures and curriculum for B.Com and M.Com.</p>	<p>BOSRES06:</p> <p>After a thorough deliberation on all the aspects of programmes & curriculum (as provided in BOSREM01-BOSREM05), the house accepted the programme structure and curriculum for AY 2020 & 2021, respectively.</p>	
<p>BOS02AT07</p> <p>To consider and approve the panel of examiners for AY 2022-23.</p>	<p>BOSRES07: The Board of studies accepted & approved the panel of examiners for AY 2022-23.</p>	
<p>BOS02AT08</p> <p>To consider and approve Calendar of Events for AY 2022-23.</p>	<p>BOSRES08:</p> <p>BOS members considered and approved the Calendar of Events for AY 2022-23.</p>	
<p>BOS02AT09 Any other matters with the permission of the Chair.</p>	<p>BOSREM01: Industry associations has to be taken up in future. B. Com Industry integrated to tie up with organisation from 4th semester align with the programme structure.</p> <p>BOSREM02: (a) It was suggested to include online Panel of members for article ship and CA Raghu may be contacted for this.</p> <p>(b) It was suggested that there should be ongoing interaction of students with specialist from industry during semesters to ascertain their level of understanding & knowledge from the company perspective. BOS members have volunteered to come and guide students for finding scholarship and loan for the students who are finding to pay their regular fees.</p> <p>(c) It was suggested to compile a</p>	

	detailed approval regarding validation of running all the programmes from UGC.	
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MEMBER SECRETARY

**C) MINUTES OF THE
BOARD OF STUDIES MEETING**

**MINUTES OF THE BOARD OF STUDIES MEETING
(Virtual)**

AY 2022-23: BOS 11th

SCHOOL OF ECONOMICS & COMMERCE

Date : Friday, 6th May, 2022

Time : 10.00 a.m

Venue : CMRU City Campus, HRBR Layout, Bangalore.

Members present:

1. Dr Suganth.R, Dean, SOEC & SOM, CMR University	Chairman
2. CA Raghu, Chartered Accountant, Raghu & Raghu Company, Bangalore	Member
3. Kesavan Venugopal, CFO, Wipro Foundation, Bangalore	Member
4. CA Punarvas Jayakumar, Adwait learning coaching center	Member
5. Dr Abhijit Chakraborty, Associate Professor, SOEC, CMR University	Member
6. Dr Eswara Reddy, Associate Professor, SOEC, CMR University	Member
7. Mr. Murali	Member
8. Dr Nagarathnamma J, Programme Coordinator, City Campus, CMR University	Member
9. Prof Karthik, Programme Coordinator, OMBR Campus, CMR University	Member
10. Prof Jayalakshmi, Asst Professor, SOEC, CMR University	Member
11. Dr Suja Bannet, Dean Academics, CMR University.	Special Invitee
12. Dr Latha Krishnan, Director, SOEc, CMR University.	Member Secretary

Member on leave:

1. Dr Ramesh, Retd Prof, Mount Carmel College Bangalore	Member
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BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Notes: All the BOS members were welcomed and introduced by the Chairperson.

Resolution: NIL

BOS 01: WELCOME AND INTRODUCTION BY THE CHAIRPERSON

Notes: All the BOS members were welcomed and introduced by the Chairperson.

Resolution: NIL

BOS 02: CONFIRMATION OF THE PREVIOUS MEETING MINUTES

Notes: The minutes of the 10th Board of Studies Meeting held on 29th June 2021, were placed before all members.

BOSRES02: The members unanimously confirmed the minutes.

BOS 03: TO REPORT ON THE ACTION TAKEN ON THE MINUTES OF THE PREVIOUS MEETING HELD ON

Notes: The action taken Report action on the Minutes of the 10th Board of Studies Meeting held on Tuesday, 29th June, 2021.

ITEMS FOR CONSIDERATION

BOS 4: To consider discontinuation of programmes and approval of new programmes for academic year 2022-23.

A. Discontinuation of Certain Programmes:

With the introduction National Educational Policy (NEP) the following programmes have been discontinued from the academic year 2022-23

- (i) B.Com (Honour)
- (ii) B.Com (Honour- International Business Finance)
- (iii) B.Com (Honour- Strategic Finance) as strategic finance due to less preference of students opting for the programme.

B. Introduction of New Programmes:

(i) B.Com (Professional – CA integrated)

(ii) B.Com (Industry Integrated)

RESOLUTION: The members appreciated and confirmed the initiative taken by CMR University to introduce the new programmes and also resolved that henceforth the following programme will be called as:

B. Com -Honours in IAF to B.Com-IAF

BOS 05: To consider and approve programme structure and curriculum for academic year 2022-23 with respect of the following programmes and suggestions from the BOS members:

In the programme/programmes structure the following suggestions may be incorporate

BOSREM01: Cloud based study material for subjects can be introduced with the help of IT enabled firms so that students can access the materials in leisure time.

BOSREM02: Relevant aspects related to IFRS & IND AS, etc., can be taken up in Management accounting at all programmes of B.Com.

BOSREM03: For B.Com CA integrated, along with IFRS Certification programme, other certification programmes can be introduced such as Rera & Insolvency.

For B.Com General IT courses may have Introduction to Financial orientation to ERP oracle (as per the top ERP tools available in the market) preferably in 4th & 5th Semester. Orientation to robotics, blockchain can be taken up. Orientation programme in Do's and don'ts in cryptocurrency as introduction in 3-4 hour. Also students must be trained in Target proficiency in macros in excel and they should be taught the importance of team dynamics & collaboration with other students. etc.

BOSREM04: It is also suggested that case study methodology can be applied under blooms taxonomy in subjects where ever applicable.

BOSREM05: Having 50 marks weightage for internal assessment may be high and in future open book examination can be introduced in one semester.

BOSRES05: After a thorough deliberation on all the aspects of programmes & curriculum, the house accepted the programme structure and curriculum for AY 2022-23.

BOS06: To consider and approve changes in the existing programme structures and curriculum for B.Com and M.Com.

BOSRES06: After a thorough deliberation on all the aspects of programmes & curriculum (as provided in BOSREM01-BOSREM05), the house accepted the programme structure and curriculum for AY 2020 & 2021, respectively.

BOS 07 : To consider and approve the panel of examiners for AY 2022-23

BOSRES07: The Board of studies accepted & approved the panel of examiners for AY 2022-23.

BOS 08 : To consider and approve Calendar of Events for AY 2022-23.

BOSRES08: BOS members considered and approved the Calendar of Events for AY 2022-23.

BOS 09 : Any other matters with the permission of the Chair.

A thorough deliberation and analysis of the different aspects were taken after taking the due permission of the Chair and the following suggestions were provided by the members:

BOSREM01: Industry associations has to be taken up in future. B. Com Industry integrated to tie up with organisation from 4th semester align with the programme structure.

BOSREM02: (a) It was suggested to include online Panel of members for article ship and CA Raghu may be contacted for this.

(b) It was suggested that there should be ongoing interaction of students with specialist from industry during semesters to ascertain their level of understanding & knowledge from the company perspective. BOS members have volunteered to come and guide students for finding scholarship and loan for the students who are finding to pay their regular fees.

(c) It was suggested to compile a detailed approval regarding validation of running all the programmes from UGC.

There being no other points to delve, the meeting ended with a vote of thanks from the side of chairman to the esteemed members of BOS.

Vote of thanks: The Chairman, Dr. Suganth proposed the Vote of Thanks. He thanked all the external BOS members and special invitees for their active involvement and constructive suggestions.

Member Secretary

D) SYLLABUS MODIFICATION IN DETAIL

[SOEC- Syllabus Modification](#)

E) SYLLABUS MODIFICATION (IN CONCISE)

SYLLABUS MODIFICATION (IN CONCISE)

School: School of Economics & Commerce

Programme: BCOM

Academic Year: 2022-23

Batch: 2022-25

Semester: II

Course Code	Course Name	a. Newly Introduced b. Deleted c. Modified	Remarks
3STAT3021	Business Statistics	Moved	Moved from III to II Semester to balance the no. of theory and quantitative courses in III semester.
6HRMT2131	Human Resource Management	Moved	Moved from II to III Semester to balance the no. of theory and quantitative courses.

DEAN / DIRECTOR

School: School of Economics & Commerce

Programme: MCOM

Academic Year: 2022-23

Batch: 2022-24

Semester: II

Course Code	Course Name	a. Newly Introduced b. Deleted c. Modified	Remarks
3ACCT5022	Advanced Cost & Management Accounting	Modified	Most of the topics were covered in the UG level. Efforts have been made to modify the entire syllabus.

DEAN / DIRECTOR

F) AMENDMENTS IN THE
PROGRAMME REGULATIONS

AMENDMENTS IN THE
PROGRAMME REGULATIONS

PROGRAMME REGULATIONS: Nil

G) INVITATION TO BE BOS MEMBER

Dear Member

Greetings from CMR University!!!

CMR University (CMRU) established in 2013 is part of CMR group of Institutions that has over 20,000 students across different Institutions.

The University offers undergraduate, post-graduate and doctoral programs across disciplines such as Architecture, Design, Engineering, Law, Management, Economics & Commerce, Science, Social Sciences & Humanities and Education.

The School of Economics and Commerce of CMRU has over 1,200 students and offers UG, PG and PhD programs in Commerce. To further strengthen the programs and infuse contemporary curriculum and pedagogy, we invite you to be a Member for the 11th Board of Studies meeting. The tenure of the Member will be 2 years.

We look forward to your acceptance and your valued contribution.

Warm regards,
Dr. Sugant.R
Dean
SOEC & SOM
CMR University

NOTE: The below mentioned are the details of the BOS members invited to the 11th BOS meeting.

1. CA Raghu, Chartered Accountant, Raghu & Raghu Company, Bangalore.
2. Kesavan Venugopal, CFO, Wipro Foundation, Bangalore .
3. CA Punarvas Jayakumar, Adwait learning coaching center.

I) INVITATION TO ATTEND BOS MEETING

Dear Sir/Madam,

We take privilege in inviting you to the Eleventh Board of Studies Meeting of the School of Economics & Commerce CMR University on Friday, 6th May, 2022 at 10.00 a.m. We request your esteemed presence for the meeting and look forward to your valued contributions towards improving our programs.

The agenda and the link for the meeting will be shared before May, 5th 2022.

Should you have any queries, please do let us know.

Warm regards,
Dr. Sugant.R
Dean
SOEC & SOM
CMR University

Dear Sir/Madam,

Further to my earlier mail, I am attaching the agenda for the Board of Studies meeting. I have also attached the programme structure of our courses for your kind perusal.

As intimated earlier, the meeting is scheduled at Friday, 6th May, 2022 at 10.00 a.m. The link for the same is below:

<https://meet.google.com/kfc-antq-cyr?authuser=0&hs=122>

Look forward to e-meeting you...

Warm regards,

Dr. Sugant.R
Dean
SOEC & SOM
CMR University

MINUTES OF THE BOARD OF STUDIES MEETING

MINUTES OF THE ELEVENTH BOARD OF STUDIES MEETING
(Virtual)
AY 2022-23 : BOS - 11
SCHOOL OF MANAGEMENT

Date : Saturday, 7th, June, 2022
Time : 10 a.m
Venue : CITY CAMPUS, CMR UNIVERSITY, BANGALORE

Members present:

- | | | |
|---|---|-------------------------|
| 1. Dr. SUGANT. R
DEAN - SOM / SOEC | - | CHAIRPERSON |
| 2. Dr. MATHIRAJAN
SENIOR PROFESSOR, INDIAN INSTITUTE OF SCIENCE | - | MEMBER |
| 3. Mr. PRAVEEN KAMATH
CHIEF HUMAN RESOURCES OFFICER, APISERO INC. | - | MEMBER |
| 4. Mr. CHANDRAMOULI
MD & CEO, FEEDBACK INSIGHTS | - | MEMBER |
| 5. Mr. T K BALAKUMAR
COO, BIG BASKET | - | MEMBER |
| 6. Mr. SIDDARTH NAIR
FOUNDER & CEO, XFINITO BIODESIGNS | - | MEMBER |
| 7. PROF. JACOB THOMAS
BBA PROGRAM COORDINATOR | - | MEMBER |
| 8. PROF. MOHAN CHERIAN
MBA PROGRAM COORDINATOR | - | MEMBER |
| 9. Dr. ANITHA B
ASSISTANT PROFESSOR – SOM | - | MEMBER |
| 10. Dr. SHAMAL. S
ASSISTANT PROFESSOR – SOM | - | MEMBER |
| 11. PROF. SHARFUNISA. N
ASSISTANT PROFESSOR – SOM | - | INVITEE |
| 12. Dr. SUJA BENNET
DEAN – ACADEMICS, CMRU | - | INVITEE |
| 13. Dr. VIVEK RAJAPADMANABHAN
DIRECTOR - SOM | - | MEMBER SECRETARY |



Proceedings

- **Welcome by the Member Secretary**
- **Welcome and introduction by the Dr. Sugant sir, Chairperson**

Dr. Sugant, Dean – SOM / SOEC extended a warm welcome to the Chairperson, all the Members and Invitees, and introduced the new Members of the Board of Studies to the gathering.

Dr Sugant briefed the members of the Board about the events organized by the School, Centres of Excellence established, Ranking of the School in B School Surveys and encouraging response to the MBA program. He also thanked the members for their encouragement and support in all the initiatives of the School.

The Chairperson of the BOS, in his introductory remarks, requested the Members of the BOS to give their valuable suggestions for improving the curriculum.

- **Member Secretary reads out the Agenda**

Agenda 2: Confirmation of the previous Minutes of the Meeting AY 2021-22

The minutes of the previous board of studies meeting AY 2021-22: BOS 02 held on 26th June, 2021 were placed before the members.

The Minutes of the Tenth Board of Studies Meeting was accepted and confirmed by the Members.

Agenda 3: Action taken report on the previous minutes of the meeting for AY2021-22

The action taken report on the Minutes of the Tenth Board of Studies meeting was tabled, and reviewed by the members.

Resolution – BOS11R01: The action taken report was accepted and confirmed by the Members of the BOS.

Agenda 4: To consider and approve new programmes for AY 2022-23

A proposal to introduce One year PG Diploma in Data Science and in Digital Marketing was placed before the Members of the BOS for approval for AY 2022 –23.

Resolution – BOS11R02: The board accepted and approved one year PG Diploma in Data Science and in Digital Marketing for the AY 2022 –23 with an intake of 30 students each.



Agenda 5: Items for consideration AY 20- 23

5.1 To consider and approve programme structure and curriculum for AY 2022- 23 with respect to the following courses: (a) BBA (b) BBA (Hons.) (c) BBA (Digital Marketing) (d) BBA (Business Analytics) (e) BBA (IT) and (f) MBA

5.1.1 The programme structure and syllabus for the AY 2022 – 23 for III & IV semester BBA General, Honours, Digital Marketing & Business Analytics was presented to the Board for discussion. The Members of Board offered the following suggestions for consideration:

Remarks

BOS11Rem01: In Legal Aspects of Business, it is suggested to add labour codes in the syllabus.

BOS11Rem02: It is suggested to include Mergers and Acquisitions topics in the International Finance course.

BOS11Rem03: It is advised to teach Fundamentals of Accounting (Journal entries and Ledger accounts) to the BBA students in the first year.

BOS11Rem04: It is recommended to introduce Global supply chain management topics in the e-commerce or in Operations management course.

BOS11Rem05: Basics in Sales Management can be offered to the BBA students.

BOS11Rem06: For Business Analytics students it is recommended to use Industry sample set for providing real exposure in Big Data Analytics.

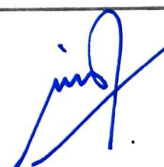
Resolution – BOS11R03: The members of the Board accepted and approved the proposed programme structure and syllabus for the AY 2022 – 23 for III & IV semester BBA General, Honours, Digital Marketing & Business Analytics after due consideration of the feedback and suggestions of the board.

5.1.2 The programme structure and syllabus for the AY 2022 – 23 for I & II semester BBA General, Digital Marketing & Business Analytics was presented to the Board for discussion.

Resolution – BOS11R04: The Members approved programme structure and syllabus for the AY 2022-23 for programme for I & II semester BBA General, Digital Marketing & Business Analytics.

5.1.3 A proposal was placed before the Board for discontinuation of BBA (H) programme due to the implementation new NEP (As the honors programme should be conducted for four academic years).

Resolution – BOS11R05: The Members approved the decision to discontinue the BBA (H) programme from AY 2022-23 onwards.



5.1.4 The programme structure and syllabus for the AY 2022 – 23 for MBA programme was presented to the Board for discussion. The Members of Board offered the following suggestions for consideration:

Remarks:

BOS11Rem07: Case studies to be included in all the management courses for MBA programme.

BOS11Rem08: In Project Management course IT tools can be incorporated in the syllabus.

BOS11Rem09: In HR Analytics course, Data Intelligence topics can be added. A HR Analytics text book authored by Ramesh Soundarajan to be included in books of reference.

BOS11Rem10: Expatriates & Repatriates issues in MNC's and types of visas to be incorporated as part of syllabus in IHRM course.

BOS11Rem11: In Talent management course, Employee Engagement and Employee Experience to be included in the syllabus.

BOS11Rem12: In Social media marketing, digital sales to be added.

BOS11Rem13: In Digital Innovation and Transformation course, product development, strategic product management and digital strategies can be added.

BOS11Rem14: Sustainable supply chain management course to be replaced with Supply Chain Analytical course.

Resolution – BOS11R06: The Members approved the programme structure and syllabus for the AY 2022 – 23 for MBA programme.

5.1.5 The credit distribution for PhD programme was presented to the panel.

BOS11Rem15: The panel members suggested to experiment this for one academic year and make changes accordingly.

Agenda 6: To consider and approval of Panel of Examiners for the AY 2022-23

The panel of examiners for the AY 2022-23 was presented to the BOS members for approval.

Resolution – BOS11R07: The Members approved the Panel of examiners for the AY 2022-23.

Agenda 7: To consider and approve the Academic Calendar of Events for the AY 2022-23

The Academic Calendar of Events (AY 2022-23) was presented to the BOS

Resolution – BOS11R08: The Board approved the Calendar of Events for the AY 2022-23.

Agenda 8: ANY OTHER MATTERS WITH THE PERMISSION OF THE CHAIR



8.1 The suggestion regarding the changes in the question paper pattern for examination was discussed with the panel.

BOS11Rem18: The panel expressed that the question paper pattern to be designed covering entire syllabus for 100 marks (3 hours).

BOS11Rem19: The panel also suggested to conduct course wise feedback from the students to evaluate the effectiveness of the syllabus.

BOS11Rem20: Hands on experience should be provided for all the relevant management courses.

Passing of the Resolutions

BOS11R01: The action taken report was accepted and confirmed by the Members of the BOS.

BOS11R02: The board accepted and approved one year PG Diploma in Data Science and in Digital Marketing for the AY 2022 –23 with the intake of 30 students.

BOS11R03: The members of the Board accepted and approved the proposed programme structure and syllabus for the AY 2022 – 23 for III & IV semester BBA General, Honours, Digital Marketing & Business Analytics after due consideration of the feedback and suggestions of the board.

BOS11R04: The Members approved programme structure and syllabus for the AY 2022-23 for programme for I & II semester BBA General, Digital Marketing & Business Analytics.

BOS11R05: The Members approved the decision to discontinue the BBA (H) programme from AY 2022-23 onwards.

BOS11R06: The Members approved the programme structure and syllabus for the AY 2022 – 23 for MBA programme.

BOS11R07: The Members approved the Panel of examiners for the AY 2022-23.

BOS11R08: The Board approved the Calendar of Events for the AY 2022-23.

Vote of thanks:

The meeting concluded with a Vote of Thanks to all the Members for the valuable contributions made by them in making the curriculum more robust.


Member Secretary
Dr Vivek Rajapadmanabhan
School of Management,
Eleventh Board of Studies

**MINUTES OF THE BOARD OF STUDIES MEETING
(Virtual)**
AY 2022-23 : BOS - 11 - Journalism
SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

AGENDA

1. Confirmation on last MOM of 10th BOS
2. Action taken
3. Existing Programs
4. STE for 2022-23
5. Doctoral Coursework Courses
6. List of Examiners (External/ Internal)
7. Calendar of Events AY[21-22] Academic and Co - & Extra – Curricular
8. New Initiatives



MINUTES OF THE BOARD OF STUDIES MEETING (Virtual)

AY 2022-23 : BOS - 11

SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

Date : Saturday, 28th May, 2022

Time : 10:30 am

Venue: City Campus, CMR University, Bangalore

Members present:

The SOSSH Board of Studies - Journalism members for Academic Year 2022-23

Sl. No.	Position	Name	Nominating Authority
1.	Chairperson	Dr. Suja Bennet, Dean Academics, CMR University	Vice Chancellor
2.	Member	Prof. Abirami, Assistant Professor	One Senior faculty from the Department
3.	Member	Dr. Baskar Hegde, HOD Journalism, SDM College (Autonomous) Ujire, DK	Experts in the subject from outside the University nominated by the Academic Council
4.	Member	Dr. Padmanabha K V, Assistant Professor Journalism Department, Tumkur University.	
5.	Member	Dr. B. Aravinda Shetty, Special Correspondent, Deccan Chronicle, National English Daily, Bangalore	One representatives from industry / corporate sector/allied area practitioner
6.	Member Secretary	Dr. Dhiksha. J, Asst. Professor	Member Secretary of Board of Studies





Proceedings

• Welcome and Introduction by the Member Secretary

Dr. Dhiksha. J, Member Secretary, extended a warm welcome to the Chairperson, all the Members and Invitees, and introduced the new Members of the Board of Studies to the gathering. She requested the Members of the BOS to give their valuable suggestions for improving the syllabus.

• Member Secretary reads out the Agenda

Agenda 1: Confirmation of the previous Minutes of the Meeting AY 2021-22: BOS 10

The minutes of the previous Board of Studies meeting AY 2021-22: BOS 10 held on Monday, 5th July, 2021 was placed before the members.

Resolution- BOS11R1: The Minutes of the Tenth Board of Studies Meeting was accepted by the Members.

Agenda 2: Report on the action taken on the minutes of the previous meeting held on Monday, 5th July, 2021

The action taken report on the Minutes of the Tenth Board of Studies meeting was tabled, and reviewed by the members.

Resolution – BOS11R2 : The action taken report was accepted and confirmed by the Members of the BOS.

Agenda 3: To consider and approve the Existing Programs for AY 2022-23

The proposal to consider and approve the following existing programs was placed before the Members of the BOS for approval for AY 2022 – 23: B. A. (General), B. A. Journalism (Honors), MA (JMC), and PhD.

Resolution – BOS11R03: The board accepted and approved the existing programs B. A. (General), B. A. Journalism (Honors), MA (JMC) for AY 2021-22





Agenda 4: To Discuss and Evaluate STE [22-23] of all the programmes

BS 04: To consider the Scheme of Teaching and Evaluation for the following programs

- BA 2020-2023- V Sem and VI Sem (Honors)
- BA 2020-2023- V Sem and VI Sem (General)
- BA 2021-2024- III Sem and IV Sem (General)
- BA 2021-2024- III Sem and IV Sem (Honors)
- BA 2022-2025- I Sem and II Sem (General)
- MAJMC 2021-2022 - I Sem and II Sem
- Comparative file

After a detailed presentation of the STE of MAJMC and the BA Programs, the members engaged in a productive discussion course content, practical training and internship components of the syllabus. Following points were recommended:

- Incorporating more topics on the latest trends in journalism, especially in online journalism, web content development and promoting skills for students to launch their own start-up ventures.
- A well equipped multimedia studio facility should be given to students for optimum learning of all aspects of media production
- In addition to academic qualification, due attention should be given to grooming personality and communication skills of students as budding professionals

Resolutions - BOS11R04.1 : After due evaluation and discussion, the Members approved the STE of all programs with some modifications and additions to be incorporated.

BOS11R04.2: It was decided to henceforth incorporate an external component of evaluation for all student internships in addition to continuous internal assessment and mentoring.

Agenda 5: To consider the Scheme of Teaching and Evaluation for the following Doctoral Coursework Course in Journalism.

Resolution -BOS11R05: All the members approved the ongoing program STE as it is without any modification.

Agenda 6: To consider and approve the list of examiners for the academic year 2022-2023

A list of external and internal examiners for the academic year 2022-23 was presented for due consideration by the members of the Board.

Resolution - BOS1R06: The members of the Board accepted and approved the proposed the list of examiners for the academic year 2022-2023



Agenda 7: Approval of the Calendar of Events

Calendar of Events AY[22-23] (Academic) and Calendar of Events AY[21-22] (Co - & Extra - Curricular) were presented to the Members for due consideration and approval

Resolution - BOS11R07: The Board approved both the Calendar of Events.

CMRU SOSSH: Board of Studies Meeting AY 2022-23: BOS 11 Page 5 of 10



Agenda 8: Any other matters with the permission of the Chair

Members suggested that more focus should be on imparting practical knowledge to students so that they are ready to be absorbed in the industry. Also adequate training in subjects like New Media and web content design should be given priority.

Resolution- BOS11R08: Board of members appreciated the efforts in designing the STEs for all programs incorporating all major aspects of study for students. As a final note it was recommended to give more importance to practical training and latest trends in Online Journalism.

Passing of the Resolutions

Resolution- BOS11R1: The Minutes of the Tenth Board of Studies Meeting was accepted by the Members.

Resolution - BOS11R2 : The action taken report for the tenth BOS was accepted and confirmed by the Members of the BOS.

Resolution - BOS11R03: The board accepted and approved the existing programs B. A. (General), B. A. Journalism (Honors), and MA (JMC) for AY 2021-22.

Resolutions -

BOS11R04.1 : After due evaluation and discussion, the Members approved the STE of all programs with some modifications and additions to be incorporated.

BOS11R04.2: It was decided to henceforth incorporate an external component of evaluation for all student internships in addition to continuous internal assessment and mentoring.

Resolution - BOS11R05: All the members approved the ongoing program STE for PhD Coursework as it is without any modification.

Resolution - BOS1R06: The members of the Board accepted and approved the proposed list of internal and external examiners for the academic year 2022-2023.

Resolution - BOS11R07: The Board approved both the Calendars of Events presented.



Resolution- BOS11R08: Board of members recommended to give more importance to practical training and latest trends in Online Journalism.

CMRU SOSSH: Board of Studies Meeting AY 2022-23: BOS 11 Page 6 of 10



Vote of thanks:

The meeting concluded with a Vote of Thanks to all the Members for the valuable contributions made by them in making the curriculum more robust. The External Members of the Board complimented the School of Social Sciences and Humanities for the content covered in all the programmes, and also commented on the richness of the interactions during the meeting.

**Member Secretary
Dr. Dhiksha. J**

DEAN / DIRECTOR







CMR UNIVERSITY
SCHOOL OF
DESIGN
DESIGN

**CMRU School of Design
Board of Studies Report**

BOS1, AY 2022-23



Agenda

1. CMR University Introduction
2. CMRU School of Design Introduction
3. Definition of Philosophy, Structure, and Outcomes of CMRU B.Des. Programmes
4. Introduction of B.Des. Curriculum - AY [22-23]
5. Introduction of new initiatives - Pedagogy / Assessment / student centered initiatives
6. Way Forward



MINUTES OF THE BOARD OF STUDIES MEETING (Hybrid)

AY 2022-23 : BOS 1

SCHOOL OF DESIGN

Date : TUESDAY, 5th July, 2022

Time : 10.00 a.m – 12.30 pm

Venue : Hybrid

Members present:

1. Prof. Muralidhar Reddy - Chairperson / Internal Member (Director, CMRU SOA)
2. Ms. Sonia Manchanda - Industry Member (Founding Partner, SPREAD)
3. Ms. Jayshree Poddar - Industry Member (Design Director, Himatsingka Siede Limited)
4. Mr. Chandrashekar Surbhat - Industry Member (VP & Global Head, Digital Experience (DX), WIPRO)
5. Prof. Nijoo Dubey - Academic Member (Program Lead, Universal Design, NID)
6. Dr. Suja Bennet - Invitee / Internal Member (Dean Academics, CMRU)
7. Mr. Viivek Mashru - Invitee / Internal Member (Director, Department of Common Core Curriculum (DCCC), CMRU)
8. Prof. Rajesh Gangadharan - Internal Member (Associate Professor (In Practice), Communication Design, CMRU SOD)
9. Prof. Babu D. - Internal Member (Assistant Professor, Fashion Design, CMRU SOD)
10. Prof. Pratik Bhandari - Internal Member (Assistant Professor, Product Design, CMRU SOD)
11. Prof. Aleksandra Rotar - Member Secretary (Director, CMRU SOD)

Members absent:

12. Mr. Rajib Ghosh - Industry Member (Experience Leader (ODSP), Microsoft) – absent due to COVID



Proceedings

- Welcome by the Member Secretary
- Agenda presented by Member Secretary as follows:

About CMR University



CMR University (CMRU), Bangalore is a private university in the state of Karnataka, established under the Act 45 of 2013.

The University fosters creative communities where new ideas are nurtured, new discoveries made, and new creations shared. CMRU works with the vision **“To nurture creative thinkers who will drive positive global change.”** CMR University aims to promote and undertake the advancement of university education across a plethora of disciplines viz architecture, design, engineering, law, management, economics & commerce, social sciences & humanities, education, and science studies. The University also aims to equip students with the required skills and knowledge to pursue a successful career in their chosen field of study.

Our Ethos

We believe that creativity is the key competence required to excel in this complex world, which is why independent thinkers, product leaders, artists, designers and innovators are the need of the hour. Our students learn creative concepts and design thinking regardless of their area of study. Students are evaluated on the basis of real-life skills such as teamwork, presentation, research and initiative. CMR University Bangalore fosters creative communities, where new ideas can be nurtured, new discoveries can be made and new creations can be shared.



Mission

- To offer multi, inter and cross-disciplinary modular programmes with technology-enabled teaching-learning processes.
- To focus on research-led teaching and learning in an innovative and interdisciplinary learning environment; to create critical thinkers.
- To create leaders for a knowledge based economy, with ethical demands of a society base.



About CMRU School of Design



Student-centric, Industry relevant, aligned with global objectives



The School of Design (SOD) has been established in the year 2021. The emphasis on "Practice to Theory" and "Theory to Practice" makes the Design programme competitive and relevant to society. The Maker-Centered pedagogy, followed at the School of Design, is an integrated process of hands-on experiential learning and independent thinking.

Our Vision

To nurture creative thinkers and doers who will drive positive global change, by Design.

CMRU School of Design is dedicated to nurture and deliver generations of self-aware design professionals to the world, in a holistic Design Education model, who take responsibility to design and implement a positive change to a variety of human sectors and conditions, driven by the United Nations Sustainable Development Goals (UN SDGs) and empowered by relevant knowledge, skills and human-centric attitude that cares about planet Earth.

Our Mission

- To perpetuate a collaborative spirit, space and competence driven by Design Thinking and Design Doing equally, and UN SDG's.
- To house mutually beneficial programs partnering with the industry, individual professionals, communities, institutions and organizations on local, national and global level.



- To facilitate an ambience for interdisciplinary engagement within the CMR School of Design, across CMR University and beyond.
- To nurture and facilitate personal growth and self-awareness of each individual student and faculty members
- To facilitate necessary framework for the faculty and students to engage in professional competitions, assignments, and research.
- Engage with design practitioners, industry, civic bodies and the general public to work towards addressing the UN SDGs on a glocal level.
- Create mechanisms to understand and address societal problems in order to make a positive impact in social, economic and ecological terms via design.
- Create opportunities for students to take the entrepreneurial route by engaging and encouraging them in collaborative ventures, competitions, and project pitches.

Why CMRU School of Design

The future designers are **NOT JUST DESIGNERS**

They are:

- Creative problem solvers
- Socially responsible and engaged human beings
- Reflective lifelong learners
- Competent ethical leaders

CMR University (CMRU) School of Design is dedicated to delivering programmes that are driven by emphasis on collaborative learning, interaction with industry experts, relevant curriculum, and personal development that nurture creative thinkers and doers to become:

- Creative problem solvers
- Socially responsible and engaged human beings
- Reflective lifelong learners
- Competent ethical leaders

How do we do it?

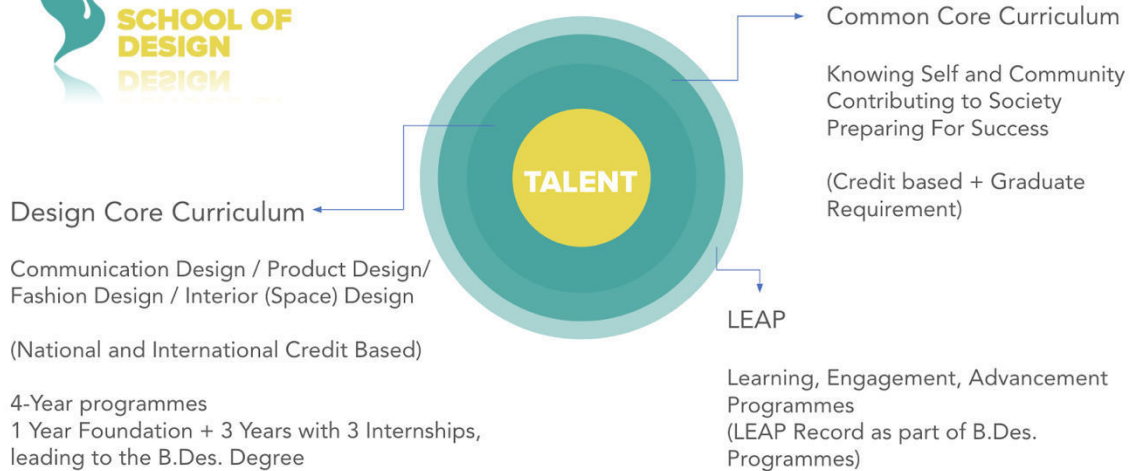
This is achieved by structured delivery of guidance not only in terms of building core design competency in students, but also interweaving structured courses in soft and leadership skills, personal growth and career preparedness, establishing three main layers in our academic programmes, that makes a Bachelor of Design programme unlike any in the country:



3 Core Layers of Academics at the CMRU School of Design:

PURPOSE

To nurture creative thinkers and doers who will drive positive global change by Design.



Core 1 - Design Core Curriculum (National and International Credit-based)

CMR School of Design is dedicated to creating opportunities for students to connect with the world around them globally. The main conceptual drive for all design programmes are the United Nations Sustainable Development Goals (UN SDGs), in order to drive a qualitative ethical change in the lives of human beings on Earth, and address challenges across our existence via design.

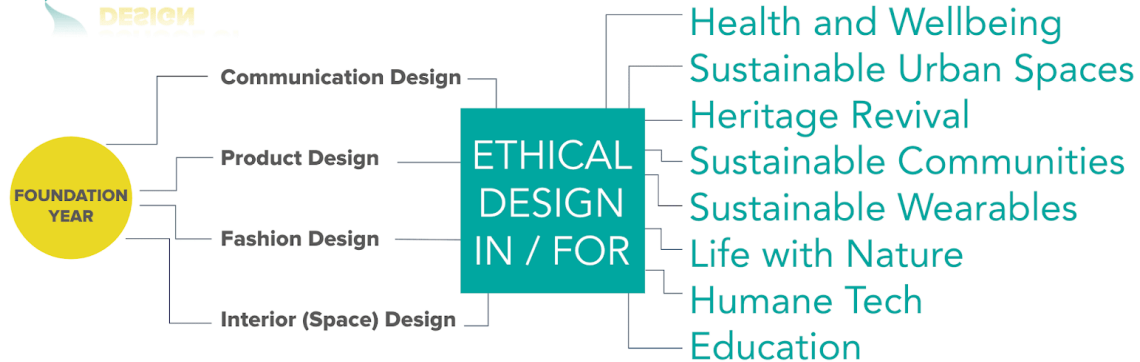


While gaining core competency in relevant knowledge and skills required to be a successful designer of today and tomorrow, students are guided to consider UNSDGs in their projects.



PURPOSE

Design Core Curriculum



“At its heart, **design has always been about finding a better way**, and improving quality of life.

The design process—its focus on the end users and the environment in which they live—can provide a fresh and innovative perspective on the international development agenda.

Why do SDGs matter to Designers?

Now more than ever, **design prioritizes accessibility, affordability, reliability, sustainability, respect for the user and the environment.**

Design for a better world is the very ethos of the upcoming generation of designers, who are placing human needs first, striking the right balance between people, planet and profit.”



CMRU School of Design has become an Education Member of WDO in 2022, with the intention of aligning itself to the highest standards of Design practice and research maintained by Industry and Academic Members of WDO, and create a network for students and faculty of CMRU world-wide to enhance collaboration and bilateral mobility. WDO has United Nations Special Consultative Status.

CMRU School of Design has also become a Full Non-European Member Institution of ELIA (European League of the Institutes of the Arts), aligning itself with the mobility standards promoted by ELIA, set by the EU Commission and the Bologna Process in 2005.



CMRU School of Design has also proposed a membership to CUMULUS, a leading global association of art and design education and research, promoting global mobility, knowledge exchange, and collaboration in art and design pedagogy, research, and practice.

Core Layer 2 - Common Core Curriculum (Credit based + Graduate Requirement)

Common Core Curriculum aims to prepare all the students for a future they do not know, jobs of tomorrow and all of life's challenges that lay before them. For designers of today and tomorrow, **Engagement, Empathy, and Confidence in Self** are crucial. Interlaced with the Design Core Curriculum, the Common Core Curriculum (CCC) courses are offered to all the students irrespective of the academic programme that they pursue.

These courses are designed on the foundations of the following **3 main aspects**:

- **Knowing self and community** - Understanding the importance of inquiry at the individual, national and global levels, with cultural awareness and ethics
- **Contributing to society** – Empowering socially conscious, empathetic, and responsible future leaders
- **Preparing for success** – Building successful career pathways, including entrepreneurship, higher education, research and job opportunities

Core Layer 3 - LEAP Curriculum

(Learning, Engagement, and Advancement Programs) (LEAP Record)

LEAP Curriculum focuses on learning and development activities for students outside the classroom CMR University, true to its motto of nurturing creative thinkers to drive positive global change lays significant emphasis on Co-Curricular as well as Extra-Curricular Activities. The University has set up a dedicated Office of Student Affairs (OSA) that offers Learning, and Development activities for students at CMR University, by establishing student-centric learning environments, co-curricular activities, diverse opportunities for community building and leadership experiences to understand themselves and navigate the world around. The focus is on **co-curricular activities, personal growth and development of students**, and every student chooses to participate in a club as per his/her **interests and passions**.

At CMRU School of Design the LEAP activities of the students are a part of their semester records, which is beneficial to placements and further studies.

CMR University encourages students to participate in the following clubs:

1 Sports Club

31 CMR Raptors Sports Club



- | | |
|--|--|
| 2 Fashion Club | 32 Moot Court Society |
| 3 Dance Club | 33 Fostray Animal Welfare Club |
| 4 Finance Club | 34 Loquitur Club |
| 5 Culter lle Con Club | 35 Writer's Circle |
| 6 Research Club | 36 Social Impact Club |
| 7 Entrepreneurship Club | 37 Mental Models and Mental Awareness Club |
| 8 Kannada Club | 38 PERFORMING ARTS CLUB |
| 9 Economics Club | 39 Bizzy Heights |
| 10 WOW Club | 40 Research Club (SOM) |
| 11 Commercio Club | 41 Theatre Club |
| 12 Gaming Club | 42 Phenomenon Club |
| 13 Data Science club | 43 E-Gaming Club |
| 14 Sahasra | 44 House of Talents - Cultural |
| 15 Literature Club-The Athenaeum | 45 Resonance |
| 16 Tech Club | 46 Book Review |
| 17 Mindspiller | 47 McCAPTURED MOMENTS CLUB |
| 18 Fine Arts and Hobbies | 48 Bot Army Gaming Club |
| 19 Sathrang Club | 49 Technoforum Club |
| 20 Media and Marketing Club | 50 WizTech Club |
| 21 Photography Club - Aperture | 51 Women Empowerment Club |
| 22 Techtronics | 52 ItCzars Club |
| 23 Give a Little | 53 The Harmony Club |
| 24 Building Club | 54 The Sangraha Club |
| 25 Phoenix Club | 55 Infotainment Club |
| 26 Club Knighthood | 56 Psychedelic Club |
| 27 The Knight Hawk Club | 57 The Sangraha Club |
| 28 XTreme Gaming Club | 58 Sanskriti Club |
| 29 Karnataka Language and Culture Club | 59 Literati club |
| 30 Club Dynamix | 60 Gender Inclusive Club |





Our Programmes

B.Des. COMMUNICATION DESIGN

Specializations: Design for Digital Experiences (UI and UX Design), Graphic Design for Print

Programme Duration: 4 years

B.Des. PRODUCT DESIGN

Specializations: Furniture, Lifestyle Products, Lighting Design, Toy Design, Appliance Design

Programme Duration: 4 years



B.Des. FASHION DESIGN

Specializations: Apparel Design, Textile Design, Accessory Design, Fashion Communication

Programme Duration: 4 years

B.Des. INTERIOR DESIGN

Specializations: Residential Interiors, Commercial Interiors, Exhibition Spaces

Programme Duration: 4 years

Foundation Year (Common for all programmes)

I Semester

Course Code	Course	Contact Hours	Credit Distribution L-T-P-C
Program Core			
9FODN1011	Elements and Principles of Design Elements & Principles of Design / Colour Workshop / Adobe Photoshop Workshop	90	2-2-2-6
9CDES1011	Typography I Traditional & Digital Exploration of Typography / Adobe Illustrator Workshop	45	1-0-2-3
9CDES1021	Visual Identity Design I Semiotics / Persona Exploration & Definition / Logo Design	60	1-1-2-4



9CDES1031	Layout Design I Collateral Design / Portfolio Design / Pre-press and Press / Adobe InDesign Workshop	60	1-1-2-4
9PDES1011	Introduction to Product Design Idea to Prototype: Research & Ideation / Soft Prototyping / Hard Prototyping / Testing and Presentation	90	2-2-2-6
9PROJ1011	Project I Visual Identity Design, Physical Collaterals and Portfolio Design	45	0-0-3-3
TOTAL		390	26
Common Core			
	Design Thinking I	30	0-0-2-2
	Oral & Written Communication I	30	2-0-0-2
TOTAL		60	4
Grand Total		450	30

II Semester

Course Code	Course	Contact Hours	Credit Distribution L-T-P-C
Program Core			
9FODN1021	Drawing I Object & Figure Drawing / Space & Perspective Drawing / Technical Drawing / Fashion Illustration	90	1-2-3-6
9FDES1011	Introduction to Fashion Design Idea to Prototype: Fundamentals of Fashion Design / Fabric I / Pattern Design I / Garment Construction I	90	1-2-3-6



9IDES1011	Introduction to Interior Design Idea to Prototype: Theory, Concepts & Ideation / Planning, Visualization, Soft prototyping / Sketchup Workshop / Model Building	90	1-2-3-6
9PROJ1021	Project II Game of Life - Game Design	90	1-1-4-6
TOTAL		360	24
Common Core			
	Design Thinking II	30	0-0-2-2
	Oral & Written Communication II	30	0-0-2-2
9INTS11	Internship I	140	0-0-2-2
TOTAL		60	4
GRAND TOTAL		420	30

WAY FORWARD - Proposed Semester Focus Domains:

B. Des. Communication Design: Sem III, IV, V, VI, VII, VIII



COMMUNICATION DESIGN	COMMUNICATION DESIGN	COMMUNICATION DESIGN
SEM III	SEM V	SEM VII
PRINT: BOOK DESIGN + PUBLICATION BRANDING	PRINT: BRANDING + RETAIL COMMUNICATION	SPECIALIZATION: DESIGN INTERVENTION
<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Nation/World (UN SDGs Driven)</i>
<i>TECH: Traditional Visual + Digital Visual</i>	<i>TECH: Traditional Visual + Digital Visual, Opt. 3D printing, Textile Printing, Visualisation Software</i>	<i>TECH: Individual Choice</i>
<i>MATERIALS: PRIMARY: Paper, Cardboard; SECONDARY: Artificial Leather, Jute, Textile, etc</i>	<i>MATERIALS: Paper, Cardboard, Foils, Textile Objects, 3D Printed Output, Acrylic, Wood, Metal, Plastic</i>	<i>MATERIALS: Individual Choice</i>
SEM IV	SEM VI	SEM VIII
DIGITAL: BRANDING + WEB AND SM COMMUNICATION	DIGITAL EXPERIENCE DESIGN: UX + APPLICATION DESIGN	SPECIALIZATION IRL
<i>CONCEPTUAL DRIVE: Me X Community</i>	<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Nation/World (UN SDGs Driven)</i>
<i>TECH: Digital - Figma</i>	<i>TECH: Digital: Figma + Programing</i>	<i>TECH: Individual Choice</i>
<i>MATERIALS: Digital</i>	<i>MATERIALS: Digital</i>	<i>MATERIALS: Individual Choice</i>

B. Des. Product Design: Sem III, IV, V, VI, VII, VIII



PRODUCT DESIGN	PRODUCT DESIGN	PRODUCT DESIGN
SEM III	SEM V	SEM VII
PACKAGING DESIGN	LIGHTING DESIGN	SPECIALIZATION: DESIGN INTERVENTION
<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Nation / World (UN SDGs Driven)</i>
<i>TECH:</i>	<i>TECH: Electronics, sensor driven tech, Acrylic, Metal, Natural materials</i>	<i>TECH: Individual Choice</i>
<i>MATERIALS:</i>	<i>MATERIALS: Acrylic, Metal, Natural Materials (banana, bamboo, wood), Concrete</i>	<i>MATERIALS: Individual Choice</i>
SEM IV	SEM VI	SEM VIII
FURNITURE DESIGN	HOME APPLIANCE DESIGN	SPECIALIZATION IRL
<i>CONCEPTUAL DRIVE: Me X Community</i>	<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Nation / World (UN SDGs Driven)</i>
<i>TECH:</i>	<i>TECH:</i>	<i>TECH:</i>
<i>MATERIALS: Wood, Metal, Textile and Hemp, Bamboo, Cane</i>	<i>MATERIALS:</i>	<i>MATERIALS:</i>



B. Des. Fashion Design: Sem III, IV, V, VI, VII, VIII

FASHION DESIGN	FASHION DESIGN	FASHION DESIGN
SEM III	SEM V	SEM VII
TEXTILE CONSTRUCTION, APPAREL DESIGN & STYLING	ACCESSORY DESIGN	SPECIALIZATION: DESIGN INTERVENTION
<i>CONCEPTUAL DRIVE: Me X Community</i>	<i>CONCEPTUAL DRIVE: Me X Community</i>	<i>CONCEPTUAL DRIVE: Me X Nation (UN SDGs Driven)</i>
<i>TECH:</i>	<i>TECH:</i>	<i>TECH: Individual Choice</i>
<i>MATERIALS:</i>	<i>MATERIALS:</i>	<i>MATERIALS: Individual Choice</i>
SEM IV	SEM VI	SEM VIII
FASHION COMMUNICATION	WEARABLE TECH	SPECIALIZATION IRL
<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Industry</i>	<i>CONCEPTUAL DRIVE: Me X Nation (UN SDGs Driven)</i>
<i>TECH:</i>	<i>TECH:</i>	<i>TECH: Individual Choice</i>
<i>MATERIALS:</i>	<i>MATERIALS:</i>	<i>MATERIALS: Individual Choice</i>



B. Des. Interior Design: Sem III, IV, V, VI, VII, VIII

INTERIOR DESIGN		INTERIOR DESIGN		INTERIOR DESIGN
SEM III		SEM V		SEM VII
HOME INTERIORS: STYLING + FUNCTIONALITY		SPACE + AUTOMATION		SPECIALIZATION: DESIGN INTERVENTION
<i>CONCEPTUAL DRIVE: Me X Community</i>		<i>CONCEPTUAL DRIVE: Me X Industry</i>		<i>CONCEPTUAL DRIVE: Me X Nation (UN SDGs Driven)</i>
<i>TECH:</i>		<i>TECH:</i>		<i>TECH:</i>
<i>MATERIALS:</i>		<i>MATERIALS:</i>		<i>MATERIALS:</i>
SEM IV		SEM VI		SEM VIII
FURNITURE DESIGN and MODULARITY		SPACE EXPERIENCE DESIGN X RETAIL MODULARITY		SPECIALIZATION IRL
<i>CONCEPTUAL DRIVE: Me X Community</i>		<i>CONCEPTUAL DRIVE: Me X Industry</i>		<i>CONCEPTUAL DRIVE: Me X World</i>
<i>TECH:</i>		<i>TECH:</i>		<i>TECH:</i>
<i>MATERIALS:</i>		<i>MATERIALS:</i>		<i>MATERIALS:</i>

Our Infrastructure









--- End of Agenda --

- **Members' Comments and Suggestions Summary**

- **Prof. Muralidhar Reddy - Chairperson / Internal Member (Director, CMRU SOA)**

- Strike a right balance in Skills vs Skills, Knowledge and Sensitivities
- Implement History of Design in the curriculum
- Implement a textile repurpose course

- **Ms. Jayshree Poddar - Industry Member (Design Director, Himatsingka Siede Limited)**

- Students should study designers and their history, and through their journey reflect on their own path and future. It would be formidable to connect with some of these designers, just to



tell their stories of their professional journey, and then students can work on mini projects – Posters.

- Implement a “Who am I” poster project as an extension of the Know Myself course.
- We should not design more textile unless it means social impact through design.

- **Ms. Sonia Manchanda - Industry Member (Founding Partner, SPREAD)**

- Many students start their journey without understanding design, and in that light there is a lot of value in the definition of “Who am I” in the curriculum. We should include an essay assignment on designers and then on themselves (students).
- Striking the right balance between the ‘Specialist’ and ‘Generalist’ designer can be achieved by implementing Arts, Humanities, Philosophy, Purpose in the curriculum and ensure implementation of theory through problem solving via Design Thinking courses with tangible outcome.
- Reflection, argument, and defense of design concepts and solutions is important. Ensure exposure of student work and feedback.
- Humanities to be strengthened in the curriculum.
- Ensure practical exposure to craft clusters and grassroot communities, which will provide greater confidence in students taking up studio careers vs corporate careers, and become change makers rather than focusing climbing the corporate ladder.
- Design Foundation (Elements and Principles) to be extended to year II, III, IV
- Students and Faculty of SOD should start building a repository of artifacts and SOD should open a Museum of Design.

- **Prof. Nijoo Dubey - Academic Member (Program Lead, Universal Design, NID)**

- Awareness of self is a cyclical process and should be repeated throughout the programs.
- Possibility of interdisciplinary projects and collaborations is enabled (fashion week, exhibition).
- History is important but to avoid boring teaching, faculty approach is important, and an approach through history of materials, technology and societies could be the more creative way.
- Following UN SDG’s at CMRU SOD, positions the school on a unique platform and level. Collaborations with schools like CIPET (plastic engineering) enables real and realistic design projects lead by SDG’s.
- UN SDG’s also enable direction towards social impact design projects. Design methods such as Ethnography Studies, Participatory Research, Action Research, Phenomenology, with implementation of Bloom’s Taxonomy can ensure that the outcome is tangible.
- UN SDG’s will also open the door to Inclusivity to be practiced in design at CMRU SOD.

- **Mr. Chandrashekar Surbhat - Industry Member (VP & Global Head, Digital Experience (DX), WIPRO)**



- Two main focus domains of the industry have been Problem Solving and Sustainability. These need to be present throughout the programs.
 - The need for Common Core Curriculum is justified and required in contemporary education.
- **Mr. Viivek Mashru - Invitee / Internal Member (Director, Department of Common Core Curriculum (DCCC), CMRU)**
 - Among Fortune 500 companies there are only 10% of companies that have a Chief Design Officer as a problem solving leader, who are T-shaped professionals. Focusing on T-shaped individual development, SOD and DCCC need to define closely which are the horizontal and which vertical development disciplines / courses.

CMRU SOD BOS1 Meeting recording is available at :

<https://drive.google.com/drive/folders/1hvHArz7P5TjoEcBAQB9lR-Pj1XnrHEJs>



Resolutions as per Agenda:

3. Definition of Philosophy, Structure, and Outcomes of CMRU SOD

B.Des. Programmes

Resolution - BOS03R01:

3.1 Following UN SDG's at CMRU SOD, positions the school on a unique platform and level. All program projects, wherever possible and viable will be guided by SDG's, and Capstone Projects mandatorily so.

Resolution - BOS03R02:

3.2 The need for Common Core Curriculum at CMRU SOD is justified and required in the contemporary Design Education. With this meeting, Industry and Academic members of the SOD BOS greet the innovation.

4. Introduction of B.Des. Curriculum - AY [22-23]

Resolution - BOS04R01:

4.1 Introduce History of Design in the Year I curriculum by:

- In the Year I students can work on case studies of national and global designers, and SOD should invite such designers to share their professional journey
- Students should create a poster about the designers
- Students should write an essay on designers

5. Introduction of new initiatives - Pedagogy / Assessment / Student-Centered Initiatives

Resolution - BOS05R01:

5.1 Expand the KMS program in the first year by:

- Reflecting on designers studied, students should write an essay about themselves
- Design a poster "Who am I"



Resolution - BOS05R02:

5.2 Courses in Arts, Humanities, Philosophy, Purpose, to be introduced as a part of foundation in the first year, which along with problem solving discipline of Design Thinking will lead to projects grounded in reality and approached with greater empathy.

6. Way Forward

Resolution - BOS06R01:

6.1 Design Foundation courses (Elements and Principles of Design, Typography, Composition and Layout, Colour etc.) should extend to years II, III, and IV

Resolution - BOS06R02:

6.2 Textile Design course / program should be introduced only with social impact through design as its aim.

Resolution - BOS06R03:

6.3 Awareness of Self is a cyclical process and therefore should be continuous in the SOD B.Des programmes.

Remarks:

1. BOS03Rem01:
Students and Faculty of SOD should start building a repository of artefacts and SOD should open a Museum of Design

Vote of thanks:

With the evolution of Design Education in India, and as Mentors, both in the landscape of the creative industry and academia, it is our mandate to continually innovate the journeys of our students through it.

On behalf of CMR University and CMRU School of Design, we thank all of our Members for their valuable insights and suggestions provided to us at the First Meeting of the Board of Studies of CMRU School of Design.



We look forward to many constructive and fruitful conversations as this first one, and with a promise to always deliver our best, we hope to live up to your expectations, as much as our students'.

**With gratitude,
Aleksandra Rotar**

Member Secretary



MINUTES OF THE BOARD OF STUDIES MEETING

AY 2022-23 : BOS 8

SCHOOL OF LEGAL STUDIES

Date : Friday, 24th June, 2022

Time : 12.00 Noon

Venue : Board Room, OMBR Campus

Members present:

- | | |
|---|--------------------|
| 1. Prof. (Dr.) T.R. Subramanya
Dean, SOLS | - CHAIRPERSON |
| 2. Prof. (Dr.) P. Ishwara Bhat
Former Vice Chancellor, KSLU Hubballi &
Former Vice Chancellor, WBNUJS, Kolkata | - EXTERNAL MEMBER |
| 3. Shri. V. Sudish Pai
Senior Advocate, High Court of Karnataka
Distinguished Advocate, Jurist and Author | - EXTERNAL MEMBER |
| 4. Prof. (Dr.) Seema Surendran
Professor, SOLS | - INTERNAL MEMBER |
| 5. Mr. Sreenidhi K.R.
Assistant Professor, SOLS | - INTERNAL MEMBER |
| 6. Dr. Chanjana Elsa Philip
Associate Professor, SOLS | - INTERNAL MEMBER |
| 7. Prof. (Dr.) V.J. Praneshwaran
Director, SOLS | - MEMBER SECRETARY |

Members absent:

- | | |
|---|-------------------|
| 1. Prof. (Dr.) Ashok R. Patil
Professor, NLSIU, Bengaluru | - EXTERNAL MEMBER |
|---|-------------------|

Proceedings

- Welcome and Introduction - Chairperson Prof. (Dr.) T.R. Subramanya welcomed all the members present for the Board of Studies meeting and introduced all the external members present at the meeting.
- Member Secretary Prof. (Dr.) V.J. Praneshwaran, presented the Agenda for the meeting.

Agenda 1: Confirmation of the previous Minutes of the Meeting AY 2021-22: BOS 07

1.1 The minutes of the previous board of studies meeting AY **2021-22: BOS 07** held on 21st June, 2021 were placed before the members. The minutes were unanimously accepted and affirmed by the members.

Agenda 2: Report on the action taken on the minutes of the previous meeting held on 21st June, 2021.

BOS07AT01: The syllabus for the new batches was placed before the Board. The new syllabus consists of subjects for the IX and X semesters of B.A., LL.B. (Hons) and B.B.A., LL.B. (Hons) and V and VI semester of B.Com., LL.B. (Hons) programmes. The syllabus for the new batches was approved by all the board members

The syllabus for the new batches were implemented.

BOS07AT02: The change in the syllabus and question paper pattern of the course General English for the first semesters and special English for the second semesters of B.A., LL.B. (Hons), B.B.A., LL.B. (Hons) and B.Com., LL.B. (Hons) Programmes along with the addition of reference books was unanimously accepted and approved by the Board.

The syllabus and question paper pattern were implemented.

BOS07AT03: The proposal to delete medical jurisprudence from the second module titled legal theories for the second semester of B.B.A., LL.B. (Hons) and B.Com, LL.B. (Hons) along with the addition of reference books (to be added in the other two programmes also) was unanimously accepted and approved by the Board.

The same has been implemented.

BOS07AT04: The PhD syllabus along with the above suggestion was approved unanimously by the board members.

The syllabus patterns were implemented.

BOS07AT05: The Board unanimously accepted and approved the introduction of the above new courses to, along with IPR, be offered to students of other disciplines within CMR University.

The same is implemented as interdisciplinary courses.

BOS07AT06: The Board unanimously accepted and approved the existing centers of the schools and approved the proposal for introduction of two new centers as mentioned above.

- i. Center for Alternative Dispute Resolution & Law**
- ii. Center for Environmental Studies & Law**
- iii. Center of Gender Justice & Law**
- iv. Center for Skill development in Legal studies**
- v. Center for International studies**

The above centers are established and functional

Agenda 3:

3.1 The Board may kindly accept the new PROGRAMME STRUCTURE - 2022-2023 which reflects the change in plan of the courses to be taught to the said batch onwards.

Resolution - BOS08R01: The members unanimously resolved to approve the new PROGRAMME STRUCTURE - 2022-2023 which reflects the change in plan of the courses to be taught to the said batch onwards.

Remarks - BOS08Rem01: It was suggested by Prof. (Dr.) Ishwara Bhat that Compilation by Prof. K.C. Sunny - Research Writing and Academic Integrity may be included as a reference book for Ph.D. coursework.

Agenda 4:

4.1 The Board may kindly accept the changes made to the SCHEME of TEACHING and EVALUATION of all the courses for the first and second semesters of the UG/PG Programme which is mentioned in the scheme of teaching and evaluation of each programme.

Resolution - BOS08R02: The members unanimously resolved to approve changes made to the SCHEME of TEACHING and EVALUATION of all the courses for the first and second semesters of the UG/PG Programme which is mentioned in the scheme of teaching and evaluation of each programme.

Remarks - BOS08Rem02: Prof. (Dr.) Ishwara Bhat suggested that it may be considered to add a reference to the implications of Constitutional law in each course. It was further suggested by Shri. V Sudish Pai, that the legal education under NEP be studied so as to be prepared by the time implementation becomes mandatory.

Agenda 5:

5.1 The Board may kindly accept the proposed amendments to the UG Program Regulations consequent to the changes made to PROGRAM STRUCTURE 2022-2023 as indicated in the annexure.

Resolution - BOS08R03: The members unanimously resolved to approve the proposed amendments to the UG Program Regulations consequent to the changes made to **PROGRAM STRUCTURE 2022-2023** as indicated in the annexure.

Agenda 6: Passing of the Resolutions:

BOS08R01: The members unanimously resolved to approve the new PROGRAMME STRUCTURE - 2022-2023 which reflects the change in plan of the courses to be taught to the said batch onwards.

BOS08R02: The members unanimously resolved to approve changes made to the SCHEME of TEACHING and EVALUATION of all the courses for the first and second semesters of the UG/PG Programme which is mentioned in the scheme of teaching and evaluation of each programme.

BOS08R03: The members unanimously resolved to approve the proposed amendments to the UG Program Regulations consequent to the changes made to **PROGRAM STRUCTURE 2022-2023** as indicated in the annexure.

Vote of Thanks: The Vote of Thanks was proposed by Prof. (Dr.) V.J. Praneshwaran, Member Secretary & Director, School of Legal Studies.

Member Secretary

MINUTES OF THE 9th BOARD OF STUDIES MEETING (Online & Offline)

AY 2022-23 : BOS 09

SCHOOL OF ENGINEERING & TECHNOLOGY

Date : Saturday, 18th June 2022
Time : 09.30 am to 1.30 pm
Venue : School of Engineering and Technology, CMR University Main Campus,
 Chagalatti, Bengaluru 562149 & ZOOM (Online)

Members present:

Dr. C Prabhakar Reddy	-	CHAIRMAN
Dr. M H Kori	-	EXTERNAL MEMBER
Dr. H S Prashanth	-	EXTERNAL MEMBER
Dr. K Rajanikanth	-	EXTERNAL MEMBER
Dr. Sujith Kumar Chakraborti	-	EXTERNAL MEMBER
Dr. Ramasuri Narayanam	-	EXTERNAL MEMBER
Dr. C Amarnath	-	EXTERNAL MEMBER
Dr. Asha M Nair	-	SPECIAL INVITEE
Dr. Rajesh Gopal	-	SPECIAL INVITEE
Dr. Priti Gupta	-	SPECIAL INVITEE
Dr. P Rajendra	-	SPECIAL INVITEE
Dr. Jaya Sreevalsan Nair	-	SPECIAL INVITEE
Dr. Uttam Kumar	-	SPECIAL INVITEE
Dr. Rohith Vallam	-	SPECIAL INVITEE
Dr. Babu Rao K	-	MEMBER CHAIR (IT Department)
Dr. S Saravana Kumar	-	MEMBER CHAIR (PG Studies)
Dr. Rubini P	-	MEMBER CHAIR (CSE Department)
Dr. T Y Satheesha	-	MEMBER CHAIR (ECE Department)
Dr. M A Mateen	-	MEMBER CHAIR (ME & CE Department)
Dr. Sreevidya Varma	-	MEMBER CHAIR (BSH Department)
Dr. Venkatratnam Chitturi	-	MEMBER SECRETARY

Members absent:

Nil

Proceedings

- **Welcome by the Member Secretary**

The Member Secretary welcomed all the members of 9th Board of Studies to the meeting. He also welcomed the internal members and the academic staff.

- **Welcome and introduction by the Chairperson**

- i. The Chairman extended a warm welcome to all the external members.
- ii. The Chairman introduced and welcomed the special invitees.
- iii. The Chairman welcomed all the internal BOS members and the academic staff of SOET
- iv. The Chairman thanked all the 9th BOS members for their contribution towards development of curricula, an ongoing process.

- **Member Secretary reads out the agenda**

Agenda 1 : Confirmation of the Minutes of the 8th BOS held on July 3, 2021 for AY 2021-22.

Resolution - BOS09R01 : The minutes of the 8th BOS meeting of AY 2021-22: 8th BOS held on 3rd July 2021 were placed before the members and the Minutes of the 8th Board of Studies Meeting was accepted and confirmed by the Members.

Agenda 2 : Report on the action taken on the minutes of the 8th BOS meeting held on 3rd July 2021 was presented.

Resolution - BOS09R02 : The action taken report was accepted and confirmed by the Members of the 9th BOS.

Agenda 3 : Scheme of Teaching and Evaluation (STE) of all the B. Tech programs for the batches - 2019-2020, 2020-2021, 2021-2022 and 2022-23 were presented by the respective departments. The Scheme of Teaching and Evaluation (STE) of all the M. Tech programs for the batches - 2021-2022 and 2022-2023 were also presented by the respective departments:

STE of all the B. Tech programs for the batches – 2019-2020, 2020-2021, 2021-2022 and 2022-23 and M. Tech programs for the batches 2021-2022 and 2022-2023 were presented to the members. The members have made the following suggestions (listed branch wise):

A. Computer Science and Engineering

STE for B. Tech Programs

1. B. Tech (Computer Science and Engineering)
2. B. Tech (CSE – Artificial Intelligence & Machine Learning – New – STE presented)
3. B. Tech (CSE – Data Science – New – STE presented)

and

STE for M. Tech Programs

4. M. Tech (Artificial Intelligence)
5. M. Tech (Data Science)

were presented to the BOS members Dr. Rajanikanth along with other internal members.

Agenda 3.1: Presented B. Tech Artificial Intelligence and Machine Learning (AI & ML) program structure for 2022 Batch

Resolution - BOS09R03:

1. The members suggested that the Engineering Mathematics IV – 4th Semester – for B. Tech AI & ML, newly introduced, syllabus should be more core centric to AI & ML applications.
2. The members suggested to Introduce Quantum Technology/Quantum Computing, Deep learning courses for this programme.
3. The members suggested to include Optimization Techniques course in elective bucket.
4. Open Elective course “MS Office” can be renamed as “Office Automation” including more computational methods and tools.

Agenda 3.2: Presented B. Tech Data Science (DS) program structure for 2022 Batch

Resolution - BOS09R04:

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1. Open Elective course "MS Office" can be renamed as "Office Automation" including more computational methods and tools.
2. The practical courses for this programme to be taught with more data sets and involving variety of Data Analytics tools.

Agenda 3.3: Presented 3rd and 4th semester syllabus for 2021 Batch CSE for approval

Resolution - BOS09R05:

1. The Linear Programming module (5th module) in the "Discrete Mathematical Structures" course should be modified as Graph Theory.
2. Theory of Computation Course can be taught with open-source tools like JFLAP etc., from module 1 onwards.
3. The Algorithms courses should have np-hard and np-complete problems.
4. The Complexity Theory courses can be introduced in elective bucket.

Agenda 3.4: Presented 5th and 6th Sem syllabus for 2020 Batch CSE, 7th and 8th Sem syllabus for 2019 Batch CSE for approval.

Resolution - BOS09R06:

1. The present curriculum structure and syllabus was accepted by BOS members.

Agenda 3.5: Presented M. Tech Curriculum and Syllabus approval for 2022 Batch. The Professional elective - "Natural Language Processing" course textbooks have to be updated with new releases and journal references.

Resolution - BOS09R07:

1. Textbooks and reference books are revised.

BOS09Rem01: The BOS members also suggested the following:

- The Data Science courses can be taught with more datasets for practice.
- The non- practical courses can be taught with some open-source tools if applicable.
- The Engineering Mathematics - III can be taught with more CSE relevant problems.
- The Newer Cloud Technology Tools can be taught for students in the relevant course.

B. Electronics and Communication Engineering

The STE for

1. B. Tech (Electronics and Communication Engineering) and
2. B. Tech (Electronics and Computer Engineering)

were presented to Dr. M. H Kori and Dr. H S Prashanth along with other internal members.

Agenda 3.6: Introduction of New Syllabi for the AY 2022 Batch for the following courses included in the curriculum (if any)

1. Making With Electronics(CPSES1011) in Third Semester
2. Python for Data Science(4CSPL2021)in Fourth Semester

Resolution-BOS09R08:

As per NEP, the above-mentioned courses are added in the AY 2022 batch.

Agenda 3.7: Proposal to introduce Professional Elective Courses in 5th, 6th, 7th, and 8th Semester

Resolution-BOS09R09:

1. WDM Optical Networks in 8th Semester

Agenda 3.8: Proposal to change the course codes and Course name as in Table 1

Resolution-BOS09R10: The changes in the course codes as in Table B3.1 in Dept. of Electronics and Communication Engineering were presented and approved.

Table B3.1: Change in course codes in Dept. of ECE for 2021 Batch

Course code	Course name
4ENEE1011	Elements of Electrical Engineering
4ENCE1011	Elements of Electronics Engineering
4ENCE2011	Analog System Design
4ENCE2021	Digital system Design
4ENEE1021	Network Analysis
4ENCC2011	Principles of Communication

4ENCE1021	Embedded controller
4CSPL2021	Python for Data Science

The following points were discussed and approved by panel members of BoS for **Electronics and Communication Engineering**.

Subject wise Discussion

1. As basic electrical engineering (4ENEE1011) is handled in 1st year with level 1, and this is a pre-request to network analysis, hence it should be level 2.
2. Introduce basic concepts of Signals and Systems in network analysis course.
3. Try to incorporate electromagnetic concept in transmission lines and antenna or microwave and radar in module 1.
4. Add Microprocessor and microcontroller concept in any other course or as an elective.

Analog and Digital Communication

1. Based on recent technology, reframe the content by incorporating more concept on Digital Communication and less concept in Analog Communication.
2. Introduce basic concept of TDM, FDM, OFDM and add-on the pre-request to wireless communication in 7th semester.

Control System

1. Include examples in Module 5 for the controllability and observability concepts.
2. In CCE component, replace case study to practical activities.

Digital Signal Processing

1. Tweaking of very few concepts in the modules.

Making With Electronics

1. The expert committee has appreciated the content designed in making with electronics.

Multi-rate filter-bank system and wavelet transforms

1. Include some of the application in any particular module.

Optical Communication

1. The course is emphasized on physical layer, try to add a connectivity of network/communication section in the up-coming semester as a professional elective course.
2. Check the revised version of textbook [2]

Agenda 3.9: Introduction of New Syllabi for the AY 2022 Batch for the following courses included in the curriculum (if any)

1. Network Analysis (4ENEE1061) in Third Semester
2. Making With Electronics(CPSES1011) in Third Semester
3. Embedded Controller (4ENCE1161) in fourth Semester

Resolution-BOS09R11:

As per NEP, the above-mentioned courses are added in the AY 2022 batch.

Agenda 3.10: Proposal to introduce Professional Elective Courses in 5th, 6th, 7th, and 8th Semester

Resolution - BOS09R12: NIL

Agenda 3.11: Proposal to change the course codes and Course name as in Table 2

Resolution-BOS09R13: The changes in the course codes as in Table B3.2 in Dept. of Electronics and Computer Engineering were presented and approved

Table B3.2: Change in course codes in Dept. of E & Cp E for 2021 Batch	
Course code	Course name
4ENCE1151	Analog and Digital System Design
4ENEE1061	Network Analysis
CPSES1011	Making with Electronics
4ENCE1161	Embedded controller

Agenda 3.12: As per the post BOS MOM: replace Microwave and Radar with Information theory and coding subjects in CCE 6th semester.

Resolution-BOS09R14: The changes are made as in Table B3.3

Table B3.3

Code	Course	Category of Course	Teaching Faculty	Contact Hours/ week	Credits L-T-P = Total
4BCC604	Microwave and Radar	PC	EC	5	3-0-1 = 4

D. Department of Civil Engineering:

The STE for

1. B. Tech (Civil Engineering)

were presented to external and internal members.

Agenda 3.15: Approval of syllabus and scheme for 7th and 8th semester of 2019 Batch CV

Resolution - BOS09R17:

The presented syllabus was approved, and the panel also approved the addition of new electives in 8th semester.

Elective IV-- 4BCE744 Traffic Engineering

Elective V-- 4BCE764 Ground Improvement Techniques

Agenda 3.16: Approval of syllabus and scheme for 5th and 6th semester of 2020 Batch CV

Resolution - BOS09R18:

The presented syllabus was approved by the panel.

Agenda 3.17: Approval of syllabus and scheme for I year courses (common for all departments).

Resolution - BOS09R19:

The presented syllabus and scheme for the course 4ENCV1011 - Elements of Civil Engineering was approved by BOS members without modification.

BOS09Rem03: The BOS members also suggested the following:

- The non- practical courses can be taught with some open-source tools if applicable.
- Few micro projects could be added as CIE components.

E. Department of Information Technology

The STE for

1. B. Tech Information Technology
2. B. Tech Information Technology (Cloud Technology and Information Security)
3. B. Tech Computer and Communication Engineering

were presented to Dr. Sujit Kumar and other members.

Agenda 3.18: Presented 7th and 8th Sem syllabus for B. Tech-IT- 2019 Batch for approval. The present curriculum structure and syllabus was accepted by BOS members.

Resolution - BOS09R20:

Submitted to approval

Agenda 3.19: Presented B. Tech-IT – Batch 2020 - 5th and 6th Sem for approval: The present curriculum structure and syllabus was accepted by BOS members.

Resolution - BOS09R21:

Submitted to approval

Agenda 3.20: Presented B. Tech-IT- Batch -2021 - 3rd and 4th Sem for approval:

1. Under 3rd semester, Web Development Using Python and Django need to do with good foundations. Adapted with building of dynamic site like human interaction program, stock market listing site cyber security. New course is introduced.
2. As Data structure and Application having good syllabus coverage. This subject is practiced with C programming. The experts suggested it's better to have C programming introduction classes for good skill development in Data structure because students were practiced in python from previous semester.
3. Discrete subject can be covered up early
4. Operating Systems: Syllabus is well structured and Units -4 well framed
5. Compiler: Turning Machine is important concepts. The experts asked whether turning machine is covered in TOC and or in Syllabus for better understanding compiler design.

The present curriculum structure and syllabus was accepted by BOS members.

Resolution - BOS09R22:

The suggestions incorporated in the curriculum and syllabus and submitted to approval

Agenda 3.21 : Presented 7th and 8th Sem syllabus for B. Tech-IT (CTIS) 2019 Batch for approval.
The present curriculum structure and syllabus was accepted by BOS members.

Resolution - BOS09R23:

Submitted to approval

Agenda 3.22: Presented 5th and 6th Sem syllabus for B. Tech-IT (CTIS) 2020 Batch for approval.
The present curriculum structure and syllabus was accepted by BOS members.

Resolution - BOS09R24:

Submitted to approval

Agenda 3.23: Presented 5th and 6th Sem syllabus for B. Tech-CCE 2020 Batch for approval. The present curriculum structure and syllabus was accepted by BOS members.

Resolution - BOS09R25:

Submitted to approval

Agenda 3.24: Presented 3rd and 4th Sem syllabus for B. Tech-CCE 2021 Batch for approval.

1. The experts queried for Micro-controller and Embedded system followed by Computer architecture and ALP which are kept in same semester. These subjects are relatively dependent one another.
2. The external experts given opinion to swap the above-mentioned subjects between 3rd and 4th semester.

Resolution - BOS09R26:

The suggestions incorporated in the curriculum and syllabus and submitted to approval

BOS09Rem04: The BOS members also suggested the following:

- Statistical languages like C, Java can be given important along with Python.
- Data science using Python: The experts suggested to cover more on Data science concepts rather than python library files
- Web Development Using Python and Django consists of SQL, NodeJS, DBMS, and JavaScript in syllabus. Proper basic need to be covered for better practice.

F. Department of Basic Sciences and Humanities

The STE for

Physics, Chemistry and Mathematics (2022 Batch)

were presented to the external members along with the internal members

Agenda 3.25: Dr. Sreevidya Varma presented the proposed STE Physics for the 2022 batch.

Resolution - BOS09R27:

The following resolutions were made

1. Applications of superconducting materials(self-learning topic) added.
2. Reference added [8]. M.N Avadhanulu and P.G. Kshirsagar (2015). Engineering Physics. S.Chand; Revised edition.
3. Carrier concentration, LED in Module-3 deleted.

The following experiments are removed from the list of experiments.

1. Torsional Pendulum: To determine the rigidity modulus of a wire of any material and moment of inertia of an irregular shaped body
2. Transistor Characteristics: To study the I-V characteristics of a bipolar junction transistor (BJT)
3. Lenz's Law: To determine the braking action on a rotating non-magnetic disc as a function of current through a solenoid(For demonstration)

Agenda 3.26: Dr. Atla Shashi Bairagi presented the proposed STE Chemistry for the 2022 batch.

Resolution - BOS09R28:

Module -1: No change

Module -2: The following changes were made

Topics deleted: Nickel-metal hydride battery, lead-acid battery.

Topics added: Introduction, differences between conventional cell and fuel cell, limitations & advantages. Construction, working & applications of methanol-oxygen fuel cell.

Agenda 3.27: Prof. Puneeth presented the proposed STE Mathematics for the 2022 batch (First Year) and for the 2021 batch (Second Year)

Resolution - BOS09R29:**1. 4MATH1011: ENGINEERING MATHEMATICS-I****• Module:1: Single Variable Differential Calculus**

To Add: Taylor's series and Maclaurin series

2. 4MATH1021: ENGINEERING MATHEMATICS II**• Module:3 Partial Differential Equations (PDEs)**

To Delete: Applications: Solutions of one-dimensional heat and wave equation problems by the method of separation of variable

• Module:5: Linear Algebra

To Add: Gauss Seidel

3. 4MATH2011-Engineering Mathematics-III**• Module:5: Numerical Methods – I**

To Delete: Taylor's and McLaurin's series for a function of single variable and problems.

Methods of solving first order ordinary differential equations

To Add: Modified Euler's Method

4. 4MATH2021-Engineering Mathematics-IV**• Module:3: Testing of Hypothesis**

Difference between means and variance which is mentioned twice should be mentioned only once.

• Module:5: Linear Programming

To Delete: Revised Simplex Method, Dual simplex Method

Vote of thanks:

The Chairman, Dr. C. Prabhakar Reddy proposed the Vote of Thanks. He thanked all the external BOS members and special invitees for their active involvement and constructive suggestions. He also praised the internal BOS members and all the teaching and non-teaching staff members, who actively participated in the 9th BOS meeting.


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 18-6-22
Member Secretary
(Dr. Venkatratnam. C)



MINUTES OF THE BOARD OF STUDIES MEETING (Virtual)

AY 2022-23 : BOS - 5

SCHOOL OF SCIENCE STUDIES

Date : Monday, 5th July, 2021

Time : 10:15 a.m

Venue: OMBR Campus, CMR University, Bangalore

Members present:

- | | | |
|--|---|--------------------|
| 1. Dr. C M Bhaskar Reddy
Pro Vice Chancellor, CMRU | - | Chairperson |
| 2. Mr. Dilip Achtani
Director, Seamedu | - | Member |
| 3. Prof Manju S
Asst Professor | - | Member |
| 4. Prof Ramesh Kumar K,
Asst Professor | - | Member |
| 5. Prof Roger Walker
Asst Professor | - | Member |
| 6. Dr.Asha V
Professor & HOD, Department of MCA,
New Horizon College of Engineering | - | Member |
| 7. Mr.Rahul Malani
General Manager, Landmark Group | - | Member |
| 8. Ms.Purva Gadre
Photojournalist & Documentary Photography | - | Member |
| 9. Mr.Virendra Valsangkar
Director, Filmmaker - National Award Winner | - | Member |
| 10. Mr.Anoop Chaphekar
Studio Head , Toolbox VFX Studio | - | Member |
| 11. Mr.Johnston Dsouza
Live Sound, Mixing & Mastering Engineer | - | Member |
| 12. Mr.Krishna Kumar
Independent Game Developer | - | Member |
| 13. Mr.Raj Kumar M
Senior Software Engineer , Zynga Games Network India Pvt. Ltd. | - | Member |
| 14. Mr.Krishna Kumar
Independent Game Developer | - | Member |
| 15. Mr.Abid Shaikh
HOA , Seamedu, Pune | - | Invitee |
| 16. Ms. Manasi Raut
HOD , Seamedu, Pune | - | Invitee |
| 17. Mr. Sameer Talwalkar
Senior HOA , Seamedu, Pune | - | Invitee |
| 18. Mr. Abid Shaikh
HOA , Seamedu, Pune | - | Invitee |

19. Mr. Puneet Samtani Senior HOA , Seamedu, Pune	-	Invitee
20. Mr. Mangesh Thombare Senior Faculty, Seamedu, Pune	-	Invitee
21. Dr. Suja Bennet Dean – Academics, CMRU	-	Invitee
22. Prof . Radha Sridharan Assistant Professor – SOSS	-	Invitee
23. Prof. Sukanya N S Assistant Professor – SOSS	-	Invitee
24. Prof Jayanthi M Coordinator - SOSS	-	Member Secretary

Proceedings

- **Welcome by Prof. Sukanya N S**

Prof Sukanya N S , Asst Prof , SOSS, CMR University extended a warm welcome to all the Members and Invitees, and introduced the new Members of the Board of Studies to the gathering.

- **Prof Sukanya reads out the Agenda**

Agenda 1 : Welcome and introductory remarks by the Chairperson.

Dr. **Bhaskar Reddy**, Pro Vice Chancellor – CMR University extended a warm welcome to all the Members and Invitees and in his introductory remarks, requested the Members of the BOS to give their valuable suggestions for improving the syllabus.

Agenda 2: Confirmation of the previous Minutes of the Meeting AY 2021-22: BOS 05

The minutes of the previous Board of Studies meeting AY 2021-22: BOS 05 held on 1st August, 2021 was placed before the members by Prof Jayanthi M.

The action taken report on the Minutes of the Third Board of Studies meeting was reviewed by the members.

The Minutes of the Third Board of Studies Meeting was accepted by the Members.

Resolution - BOS05R01 : The action taken report of the Third Board of Studies was accepted and confirmed by the Members of the BOS.

Agenda 3: To consider and approve Programme Structure and Curriculum for AY 2021- 22 with respect to the following Programmes: (a) BCA (b) BSc (c) MCA

3.1 Change in the Programme Regulations of all UG/ PG programs to incorporate Common core, interdisciplinary courses into the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory graduate requirements.

BOS05Rem01 : Dr Suja Bennet , Dean Academics , CMR University briefed the members on the curriculum envisaged for the AY [2022-23]

The 3 pillars of CMR Curriculum are –Program Curriculum/Common Core Courses/Leap Programs .These three pillars will in turn reflect the 3 key aspects –Preparing for Success/Knowing Self and Community/Contribution to Society.

- Inclusion of Interdisciplinary courses in the Program Curriculum
- Common Core courses will be part of the credit structure.
- The career preparedness component under preparing for success (Common Core) will be treated as mandatory graduate requirements.
- The Community Service under Contribution to Society (common Core) will be treated as mandatory graduate requirements.
- The LEAP programs will be treated as non-mandatory graduate requirements.

The members were appreciative of the inclusion of Common core and interdisciplinary courses in the Program Curriculum and treating Career preparedness program and Community Services as Graduate Requirements

Interdisciplinary courses offered by School of Science Studies for AY 2022-23 was proposed for approval

Web designing
Structured Query Language (SQL)
Python Programming Basics
Mobile App development

Resolution – BOS05R02 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

Agenda 4: To consider and approve New Programmes for AY 2022-23

4.1 The proposal to introduce two new BCA Specializations in Data Science and Cloud Computing with an intake of 60 students in each program was placed before the Members of the BOS for approval for AY 2021–22.

Resolution – BOS05R03: The board accepted and approved the two new specialization in BCA - Data Science and Cloud Computing with an intake of 60 students in each program for AY 2022-23

4.2 To introduce the Post Graduate Programme - Master of Computer Applications(MCA) was also placed before the Members of the BOS for approval for AY 2021–22.

Resolution – BOS05R04: The Board accepted and approved the new Programme MCA with an intake of 60 students for the AY 2021-2022

4.3 To rename the BCA(Gaming and Mobile Development) to BCA(Game Development) was also placed before the Members of the BOS for approval for AY 2021–22.

Resolution – BOS05R05: The Board accepted and approved the new title change to BCA(Game Development).

Agenda 5: To consider and approve the Scheme of Teaching and Evaluation(STE) of the programmes of BCA , BSc and MCA for AY 2022-23

5.1 The Programme Structure and Syllabus for the AY 2021–22 for the BCA programmes Batch 2019-22 and Batch 2020-23

There were no modifications in the syllabus and Evaluation of Batch 2019-22 and Batch 2020-23.

Resolution - BOS05R06 :The STE of Batch 2019 and 2020 was approved by the Board of Members .

5.2 The Programme Structure and Syllabus for the AY 2021–22 for the BSc programmes Batch 2019-22 and Batch 2020-23

There were no modifications in the syllabus and Evaluation of the Programmes of BSc(Visual Effects),BSc(Game Art and Design), BSc(Film Making) of Batch 2019-22 and Batch 2020-23.

Modifications were made to the STE of BSc (Sound Engineering) and BSc(Photography) Batch 2019-22,Batch 2020-23.

BOS05Rem01:

Changes proposed in B.Sc Photography 2019, 2020.

5th Semester B.Sc Photography Batch 2019,

5.2.1 Courses on Photography i.e, 1. Travel Photography, 2. Landscape & Wildlife Photography was proposed to merge as a single course, Travel, Landscape & Wildlife Photography.

5.2.2 The following new courses were proposed to be included in the 5th Semester Batch 2019.

1. Introduction to Advertising Photography
2. Introduction to Fine Art & Conceptual Photography
3. Advanced Image Processing

6th Semester B.Sc Photography Batch 2019,

5.2.3 The course Advanced Product Photography was renamed to Advanced Product & Food Photography.

3rd Semester B.Sc Photography Batch 2020,

5.2.4 The course Studio Lighting & its types-II was renamed to Studio Lighting.

5.2.5 The course Digital Image Processing is now renamed as Digital Imaging-II (Practical).

5.2.6 The Course Product Photography & Still Life (Practical) is newly introduced.

5.2.7 The Course Media Management is newly introduced.

5.2.8 The Course Advertising is newly introduced.

4th Semester B.Sc Photography Batch 2020,

5.2.9 The Course, Fashion Photography-I (Practical) is newly introduced.

5.2.10 The Course, Photojournalism & Documentary Photography is newly introduced.

5.2.11 The Course Career Development is newly introduced.

Changes proposed in B.Sc Sound Engineering 2019, 2020.

5th Semester B.Sc Sound Engineering Batch 2019,

5.2.12 The Course, Game Audio (Practical) is newly introduced.

3rd Semester B.Sc Sound Engineering Batch 2020,

5.2.13 The Course, Digital Audio Workstation-II Logic Pro X (Practical) was newly introduced.

5.2.14 The Course Media Management is newly introduced.

5.2.15 The Course Advertising is newly introduced.

4th Semester B.Sc Sound Engineering Batch 2020,

5.2.16 The Course, Digital Audio Workstation-III Ableton LIVE (Practical) was newly introduced.

5.2.17 The Course, Digital Audio Workstation-II Logic Pro X (Practical) was newly introduced.

5.2.18 The Course, Game Audio (Practical) is newly introduced.

5.2.19 The Course Career Development is newly introduced.

Resolution - BOS05R07 : The STE of the BSc programmes of Batch 2019-22, Batch 2020-23 were accepted and approved by the Board of Members after due consideration of the feedback and suggestions of the board.

5.3 The Programme Structure and Syllabus for the AY 2021–22 for the BCA(G), BCA(Data Science), BCA(Cloud Computing) , BCA (Game Development) programmes Batch 2021-24 .

BOS05Rem02 : In all BCA programmes the title of the course Software Engineering was suggested to be renamed as Software Engineering and Testing.

BOS05Rem03: Recommended to include a course on Numerical techniques/Methods in BCA (G).

BOS05Rem04: In BCA(Data Science) the Board recommended to offer Artificial Intelligence and Machine Learning as 2 different courses instead of the single course Artificial Intelligence and Machine Learning

BOS05Rem05: Also recommended to include Deep Learning as an elective course.

BOS05Rem06: To deliver Statistics before Introduction to Data Science as it is the foundation for the Data Science Course and to move Discrete Mathematics from I Semester to II Semester.

No other changes were recommended for BCA(Cloud Computing) and BCA(Game Development)

5.4 The Programme Structure and Syllabus (STE) for BSc(Visual Effects) ,BSc(Game Art and Design), BSc(Film Making), BSc (Sound Engineering)and BSc(Photography) for the AY 2021–22 for the programmes Batch 2021-24 .

BOS05Rem07: The board after detailed discussion approved the Programme Structure and Syllabus for all the above mentioned B.Sc Programmes for Batch 2021-24.

5.5 The Programme Structure and Syllabus (STE) for Master of Computer Applications for the AY 2021–22 for the programmes Batch 2021-24 .

BOS05Rem08 : The members of the board suggested to swap Design and Analysis of Algorithms from II Semester with Operating Systems in the third semester.

Resolution - BOS05R08: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the BCA (G), BCA(Data Science), BCA(Cloud Computing), BCA(Game Development), B Sc(Photography), BSc(Visual Effects),BSc(Game Art and Design), BSc(Film Making), BSc(Sound Engineering) for the (AY2022-23) after due consideration of the feedback and suggestions of the board.

Agenda 6: Syllabus modification AY 2022-23

The modifications made were proposed and submitted to the members of the board where there were changes in the STE AY2022-23.

No modifications in the existing courses. Whereas, new courses were introduced and the same was approved.

Resolution - BOS05R09 : The proposed modifications in the STE were approved by the Board Members

Agenda 7: To consider and approve the Assessment and Evaluation for AY 2022-23

The Assessment and Evaluation pattern was presented to the BOS.

The Assessment components were submitted to the Members for approval

The break up followed for the Internal component and external exam component of 50% each was submitted.

Resolution – BOS05R10: The Board approved the proposed assessment and evaluation.

Agenda 8: To consider and approve the question paper pattern for AY 2022-23

The question paper pattern for both the online and offline was presented, the online pattern was approved in the BOS -03

Resolution – BOS05R11: The Board approved the same and approved the school to follow the same pattern

Agenda 9: To consider and approve the Panel of Examiners for AY 2022-23

The panel of examiners consisting of both internal and external examiners was presented to the BOS.

The board was happy with the ratio of external and internal examiners.

Resolution – BOS05R12: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

Agenda 10: To consider and approve the Academic Calendar of events (AY 2022-23)

The Academic Calendar of Events (AY 2022-23) was presented to the BOS.

Resolution – BOS05R13: The Board approved the Academic Calendar of Events.

Agenda 11: To consider and approve the Co/ Extra – Curricular activities Calendar of Events (AY 2022-23)

The Co Curricular and Extracurricular Activities Calendar of Events (AY 2022-23) were presented to the BOS.

Resolution – BOS05R14: The Board approved the co curricular and extracurricular Calendar of Events.

Agenda 12: To consider and approve the Amendments in Programme Regulations- UG and PG

As per the new curriculum AY 2022-23 it was proposed

1.To incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

2.To approve the interdisciplinary courses offered by the School of Science Studies.

Resolution – BOS05R15: The Board approved the Amendments in the programme regulations from AY 2022-23.

Agenda 13: Any other matters with the permission of the Chair

BOS4Rem : Hybrid system of learning could be considered while designing the curriculum delivery method.

Passing of the Resolutions

Resolution - BOS05R01 : The action taken report of the Third Board of Studies was accepted and confirmed by the Members of the BOS.

Resolution – BOS05R02 : The members approved to incorporate Common core and interdisciplinary courses in the Program Curriculum and to incorporate Career preparedness programs and Community Services as mandatory Graduate Requirements in the Programme Regulations of all UG/ PG programs.

Resolution – BOS05R03: The board accepted and approved the two new specialization in BCA - Data Science and Cloud Computing with an intake of 60 students in each program for AY 2022-23

Resolution – BOS05R04: The Board accepted and approved the new Programme MCA with an intake of 60 students for the AY 2021-2022

Resolution – BOS05R05: The Board accepted and approved the new title change to BCA(Game Development).

Resolution - BOS05R06 : The STE of Batch 2019 and 2020 was approved by the Board of Members .

Resolution - BOS05R07 : The STE of the BSc programmes of Batch 2019-22, Batch 2020-23 were accepted and approved by the Board of Members after due consideration of the feedback and suggestions of the board.

Resolution - BOS05R08: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) for the BCA (G), BCA(Data Science), BCA(Cloud Computing), BCA(Game Development), B Sc(Photography), BSc(Visual Effects),BSc(Game Art and Design), BSc(Film Making), BSc(Sound Engineering) for the (AY2022-23) after due consideration of the feedback and suggestions of the board.

Resolution - BOS05R09 : The proposed modification were approved by the Board Members

Resolution – BOS05R10: The Board approved the proposed assessment and evaluation.

Resolution – BOS05R11: The Board approved the same and approved the school to follow the same pattern

Resolution – BOS05R12: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

Resolution – BOS05R13: The Board approved the Academic Calendar of Events.

Resolution – BOS05R14: The Board approved the co curricular and extracurricular Calendar of Events.

Vote of thanks:

The meeting concluded with a Vote of Thanks by Prof Radha S, Asst Prof to all the Members for the valuable contributions made by them in making the curriculum more robust.

Member Secretary
Prof Jayanthi M

Minutes of the Tenth Board of Studies Meeting
held by School of Architecture, CMR University (Lakeside Campus)
on Monday, June 30, 2023 at 10:30 am, held offline

Dr. N.V. Subba Reddy	- Chairperson (Pro-Vice Chancellor, CMRU)
Prof. Renuka Oka	- Member, CMRU SOA
Prof. Tintu Jessy Joseph	- Member, CMRU SOA
Prof. Haritha Preethi	- Member, CMRU SOA
Ar. Sanjith Raaju	- Member, CMRU SOA
Dr. Anup Naik	- Member
Dr. Suja Bennett	- Invited member (Dean Academics, CMRU)
Dr. K.S. Anantha Krishna	- Invited member
Ar. Ajay Gupta	- Invited member
Ar. Pooja Narain	- Invited member (CMRU Alumni)
Prof. Muralidhar K	- Member Secretary, (Director, CMRU SOA)

Members on Leave:

Dr. Dinesh Verma	- Member
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10:45 a.m

BOS 01: Welcome the members - Chairman- BOS.

The Pro-Vice Chancellor welcomed all the members to the 10th BOS meeting conducted at the School of Architecture, CMR University (lakeside campus). The meeting proceeded in a sequential manner, as per the agenda.

The Pro Vice-Chancellor highlighted several key points that need to be taken into consideration while formulating the Board of Studies (BOS)

- Gathering inputs from current students regarding their experiences and suggestions.
- Inviting inputs from teaching faculty members to improve and elevate the institute to a higher level.
- Highlighting the institute's commitment to implementing best practices and emphasizing its uniqueness compared to other institutions.
- Considering industry requirements and incorporating them into the institute's strategies.
- Addressing the aspirations and expectations of parents, who are important stakeholders.
- Considering and adhering to the guidelines of CoA.

10:52 a.m

BOS 02: To read and confirm the minutes of the 9th Meeting of the BOS held on 09-05-2022

The Director of SOA extended a warm welcome to all attendees with a recap of the previous Board of Studies (BOS) meeting, providing a quick overview. The key points, such as discussions on syllabus modifications and proposed actions, were briefly outlined. Additionally, the Director shared the resolutions that were agreed upon in the previous meeting.

10:55 am

BOS 03: To present the Action Taken Report on the 9th Meeting.

The Director presented an overview of the Action Taken Report, with a particular emphasis on the progress made in implementing the SEE written examination to viva voce for Building Construction & Materials (BCM). Furthermore, the Director elaborated on specific points covered in the Action Taken Report, providing detailed explanations for each which included module based teaching and the incorporation of CCC as a graduate requirement.

11.00 am

BOS 04: To present and ratify the SOA curriculum for B.Arch. for the 2023 batch for the (semester 01 and semester 02)

- The Director elaborated the syllabus modifications in the courses that included Architectural Design, Building Construction & Materials, History of Architecture, Theory of Architecture, Sociology and Economics, Art Appreciation, Disaster Resilient Structures, Graphics and elective courses. Furthermore the incorporation of Common Core Courses (CCC) as credit courses in the curriculum was discussed.
- Additionally, a briefing was provided on the Common Core Curriculum (CCC), emphasizing its key properties and the semester-wise distribution of the CCC courses. The Director also discussed the existing program structure for batches 2020,2021 and 2022, where CCC and Community Service are a Graduate Requirement (GR) and are non-credit courses in addition to the regular courses.
- It was also highlighted by the Director that during the pre-BOS meeting, the Vice Chancellor provided a significant suggestion to include all the CCC Curriculum courses as accredited courses in the STE document. This suggestion aimed to reduce the workload for students and the proposal for the STE document modifications were made accordingly.

- Dr. Anup Naik introduced the concept of Course Flexibility and Credit Banking, proposing an option for students to take CCC courses at their convenience and bank the credits. Furthermore, he suggested the need to develop a framework to support this concept and explore the possibility of adding additional credits to the system.
- The discussion revolved around the nature of CCC courses at CMR University and whether they are subject-specific or interdisciplinary. It was determined that the CCC courses at CMR University are primarily common courses at the university level, aimed at enhancing life skills.
- The Dean Academics acknowledged that CMR University encompasses disciplines beyond architecture, requiring a broader consideration of subjects. In contrast, Dr. Anantha Krishna explained about other universities like C.E.P.T which focuses primarily on design and specific disciplines such as civil engineering. He raised the question of whether incorporating CCC courses in CMR University would dilute the architectural subjects in comparison to these universities.
- The Dean Academics emphasized that the incorporation of CCC courses at CMR University does not dilute the architectural subjects but rather adds value as an additional course. She further explained that this decision was made to ensure that students have access to a well-rounded education that fosters creative thinking, critical analysis, and interdisciplinary skills.
- Dr. Anup Naik proposed to align studio projects with community service, allowing the university to address both agendas simultaneously. By integrating community service within studio projects, the university can potentially obtain patents for the designs created in the studio and oversee their execution. This approach offers the advantage of accessing funds, prototyping, and other resources through the embedded community service component.
- Dr. Anup Naik explained the Strengthsfinder tool, which was being used in his organization to identify individual strengths. As architecture work often involves teamwork, this approach aids in tailoring classes based on each student's interests and strengths.
- Dr. Anantha Krishna noted the significant differences between practicing architecture and teaching it, and emphasized the need to connect these aspects for academic purposes.
- Dr. Anantha Krishna highlighted the gap between practicing and teaching architecture, emphasizing the need to bridge this divide for academic purposes.

- Ar. Ajay Gupta emphasized the significance of identifying strengths early on to facilitate progress and also emphasized the importance of preparing students for successful careers, including entrepreneurship skills.
- Dr. Anantha Krishna mentioned the concept of an academic cafeteria introduced in the New Education Policy (N.E.P), allowing students the choice of courses of their interest. Ar. Ajay Gupta suggested making selective changes, up to 20% of the syllabus, to build a culture where not only design but also other skills are valued, such as construction technology, management, and research as potential areas of exploration.

Resolution : The members of the BOS unanimously approved the inclusion of CCC courses as an integral part of the curriculum within the total 260 credits.

11:25 am

BOS 04 : a) To present the Incorporation of CCC in the program structure.

- The Director presented a sample restructuring of the proposed syllabus (Semester 04) wherein Design Thinking, Oral & Written Communication, Personal Effectiveness & Community Services were the CCC courses offered for the semester.
- The first point of discussion was regarding Design Thinking, wherein Dr. Anup Naik proposed the inclusion of Design Thinking as a module within Architectural Design Studio, integrating it as part of the curriculum rather than a separate theory class. The idea suggested was to introduce short bursts of design thinking every week during Architectural Design sessions.
- Furthermore, Dr. Anup Naik suggested that Design thinking can be handled in two parts as 1 - Approach & 2 - Problem Solving and suggested that Problem Solving can be incorporated into one of the courses by the Common Core, aligning it with the Design course to enhance its practical application and relevance.
- Dr. Anantha Krishna expressed the view that Design Thinking may not be as beneficial as believed. However, Prof. Renuka highlighted that feedback collected from previous year students contradicts this notion, suggesting that design thinking has proven to be valuable.
- The second point of discussion was regarding the Oral and Written Communication course wherein Dr. Anantha Krishna proposed integrating the Oral and Written Communication course within the Design studio curriculum. This approach would enable students to develop their skills in articulating their design ideas through verbal communication and written expression. Instead of teaching generic English writing skills unrelated to architecture, this approach would ensure that communication training aligns with the specific needs and context of the field.

Notes : The incorporation was received well by the BOS members along with a suggestion of integrating CCC within the design curriculum, rather than teaching them as separate courses.

11:47 am

The Director introduced the learning circle as a teaching and learning concept developed for the school.

- The Director explained that the subjects are aligned to the concept of looking closely, and this approach is carried forward throughout the semesters. References to Harvard and Bauhaus circle were mentioned in the discussion.
- Dr. Anup Naik suggested prioritizing unlearning in the first semester while Dr. Anantha Krishna advocated for a learning-unlearning-relearning process to transition from vertical to lateral thinking which will pave a strong foundation for the course. Dr. Anup Naik emphasized the importance of making the core courses dominant.
- Ar. Ajay Gupta emphasized that architecture has the potential to develop multiple skills, making it the best course for becoming a well-rounded individual. Therefore, the focus should be on holistic education.
- Dr. Anup Naik highlighted the importance of empathy-driven education, as education should not exist in isolation from society.

Notes : The members expressed their acknowledgement of the attempt and supported its implementation across all the semesters. The significance and relevance of incorporating humanities in the first semester was also appreciated.

11:52 am

BOS 04 : b) To present and ratify the syllabus modification for Architectural Design Course (Semester I to Semester IX) for batch 2023 - 2028

- The school presented the syllabus modification of the Architectural Design course throughout all the semesters. There exists a gap where the course is focused towards addressing scale and typology of an architectural program. The Director provided an explanation of how the new modifications aim to rectify this gap by shifting the emphasis towards methods of approaching design that account for increased scale and complexities as well. While doing so the course aligns well with the learning circle, making the 10 semesters of architectural design learning comprehensive.
- Dr. Anup Naik suggested that introducing climate understanding in Semester 3 might be too early to fully delve into design. Alternatively, it is proposed to split the topic into two

parts, with an introductory component in Architectural Design III and a more comprehensive exploration of complexities in senior semesters.

- Architectural Design IV was discussed by the Director, which previously had a focus on housing typologies. However, there has been a shift towards discussing modular design rather than specific typologies. Dr. Anup Naik provided an example of a group of students who ventured into UI/UX despite excelling academically, highlighting the importance of exploring diverse design avenues.
- Ar. Ajay Gupta emphasized that in academia, the comprehensive understanding of a building is often hindered by the issue of scale. By examining the building on a smaller scale and considering factors such as services, circulation, and other allied aspects, a more holistic understanding can be achieved in Architectural Design IV.
- Dr. Anup Naik expressed that by the end of the 6th semester, students have acquired a solid foundation and a comprehensive understanding of the course. Therefore, it is appropriate to consider their progress and capabilities at that stage. He mentions that the idea aligns with the perspective of the New Education Policy (N.E.P), which allows for an exit option at the end of the 3rd year if deemed suitable. This approach acknowledges the reasonable empowerment and readiness of students at that stage.
- Architectural Design VI was thoroughly discussed due to its significance, considering that the subsequent semester is dedicated to internships. The emphasis of this semester is on preparing students for their internships rather than focusing solely on design aspects.
- There was a detailed exploration of Architectural Design VII, which has been proposed as an "Urban Insert." The Director elaborated on the concept of this course which doesn't have to be limited to large-scale city programs with extensive programs. Instead, it can also provide an opportunity to create small, sensible insertions. Dr. Anup Naik emphasized the need for a unique program for each student based on their study. The members appreciated and acknowledged this approach during the discussion.
- Introducing adaptive re-use in Architectural Design VIII is seen as a positive approach, as it offers students the opportunity to explore a new method of designing with constraints. Examples such as converting offices into hospitals demonstrate the practical application of adaptive re-use was brought out by Ar. Ajay Gupta. Dr. Anantha Krishna highlights that learning adaptive re-use or tackling complex architectural projects is essential for students to be well-prepared for entrepreneurship.

Notes: The BOS approved and provided the authorization to proceed with the proposed changes for the upcoming semesters for Architectural Design.

12.15 pm

BOS 04 : c) To present and ratify the syllabus modification for Building Construction & Materials (Semester I to Semester IX) for batch 2023 - 2028

- The Director explained the course modification of Building Construction & Materials across all the semesters. The integration of courses was discussed, taking inspiration from well-managed and well-structured courses at CEPT by Dr. Anantha Krishna. Dr. Anup Naik emphasized that synchronization with structure is also important.
- Dr. Anantha Krishna proposed integrating the evaluation of the Building Construction and Materials course with design projects, applying construction techniques. It was suggested to include BCM faculty as part of the Design Studio team for a comprehensive understanding.

Notes: The BOS acknowledged the overall syllabus proposed across all the semesters and approved the Semester 1 & 2 contents to take it forward for the upcoming AY 2023-24.

12.30 pm

BOS 04 : d) To present and ratify the syllabus modification for History of Architecture (Semester I to Semester IX) for batch 2023 - 2028

- The restructuring of the History of Architecture course is proposed, with a focus on incorporating humanities, politics, patronage, and time dimensions.
- Dr. Anantha Krishna proposed teaching world history chronologically and distributing it among the semesters to offer students a comprehensive understanding. The suggestion also included using 3D models to study historical buildings, enabling students to gain a practical understanding of the theories and components involved.
- Further Prof. Renuka briefed how we merged History of Architecture and Theory of Architecture courses explaining that theory can be taught through historical context by teaching the application of the theory component across history.
- Dr. Anup Naik agreed to this idea and even suggested to bring out debates and the politics involved in history quoting the example of a renowned architecture project, The Glass Pyramid of Louvre designed by Architect I.M.Pei and his conversations with the government that will help the students understand the nuances of practice and entrepreneurship.
- The need for physical models and workshops in the learning process was emphasized and discussed.

Notes: The BOS appreciated the overall effort taken to relook at History across all the semesters and its integration with Theory of Architecture. The addition of Humanities as a regular course received positive feedback. Dr. Anantha Krishna proposed scaling down the syllabus of Semester 02, considering its extensive nature.

12.45 pm

BOS 04 : e) To present and ratify the syllabus modification for Electives (Semester I to Semester IX)

- Dr. Anantha Krishna suggested an open approach to electives, prioritizing the identification of experts and offering courses based on their expertise. This method aims to provide students with valuable and relevant learning experiences.
- The Director explained the elective that was newly introduced in the tenth semester for developing interaction with students and faculties, which was acknowledged by the members.
- Dr. Anup Naik suggested that the elective courses on semester 4, 5 and 6 shall have an emphasis on skill development like Critical Thinking within which Art Appreciation can be addressed instead of proposing it as a separate elective & theory-based electives can happen in 8, 9 and 10th semesters.
- Dr. Anantha Krishna was against the idea of bringing Art Appreciation in the 5th semester and insisted that it is better placed in the first semester. He also suggested that Sociology and Economics can be a compulsory subject and not be choice based.

01.00 pm

BOS 04 : f) To present and ratify the syllabus modification for Graphics (Semester I to Semester IX)

The Director explained about how the focus of the 1st semester is on developing hand skills, while the 2nd semester involves computerized skills in the proposed syllabus modifications in semester 01 & 02.

Dr. Anantha Krishna emphasized drawing isometric views for their individual design project for an integrated subject understanding.

01:05 am

BOS 05: To present the list of courses with activity based components assessment in the CIE / semester wise.

Notes: The members acknowledged the content of the agenda that was presented during the meeting.

BOS 06 : To present Table consisting of the no. of courses in each semester programme-wise under the following categories -

- 1) Program core**
- 2) Common Core**
- 3) Graduate Requirement**
- 4) Total**

Suggestions on improvement on credit distribution and program structure were given by Dr. Anantha Krishna addressing all the semesters one by one.

Points of Discussion on Credit Distribution:

- Credit distribution was discussed, ensuring fairness and avoiding disparity in contact hours and credits was pointed out by Dr. Anantha Krishna.
- It was agreed upon that there should be consistency in contact hours and credits across all semesters to avoid any disparity.
- The team discussed the need for a more open credit distribution system and acknowledged that the CoA document is only suggestive.

Points of Discussion on Program Structure:

Semester 01:

- Building Construction & Materials I - It was proposed to allocate 2 credits for the material component and add the remaining 3 credits to the architectural design course.
- Graphics I - The suggestion was to revise the graphics course by incorporating exercises that integrate individual design drawings, avoiding the repetition of common drawings among students. This approach aims to allow students to apply their design work in a more integrated manner within the graphics course.
- Basic Design I : It was agreed to integrate basic design concepts into the architectural design course.

Semester 02:

- Surveying and Levelling: It was proposed to integrate this course into the AD studio. The incorporation of GIS from the studio was suggested for the third semester.

Semester 03:

- Oral & Written Communication: The team proposed integrating oral and written communication skills with design exercises from the Common Core.
- Computer Applications: It was suggested to internalize digital techniques and avoid teaching it as a separate subject. The approach of teaching it on-the-go, as practiced by Srishti Institute of Art Design & Technology was commended.

Semester 04: No specific changes discussed.

Semester 05:

- Elective II - Sociology & Economics or Art Appreciation: It was suggested to include sociology as a regular course which was proposed as a choice.
- Art Appreciation: The team agreed that art appreciation should be introduced in the formative semesters (first semester) and that critical thinking could be brought in as an elective in this semester. It was proposed to incorporate art appreciation as an exercise within the critical thinking course by Dr. Anup Naik.
- Critical Thinking: The team discussed combining critical thinking with the Decode semester.

Semester 06:

- Elective III (Software Based) : The suggestion was made to remove software from the program structure and make it an open elective.

Semester 07:

- Internship: It was proposed to create a select list of offices and send students only to those offices for internships.
- The credit for this semester was also raised as a concern due to its disparity from other semesters.

Semester 08:

- Professional Practice: Concerns were raised about the relevance and usefulness of the course.
- Suggestions were made by Dr. Anup Naik to include topics such as banking systems, scope of services, legal aspects, and practical aspects of practicing architecture.
- The importance of practical examples rather than relying solely on textbooks was emphasized by Ar. Ajay Gupta
- Dr. Anantha Krishna emphasized the importance of having professional practice taught by architects who actively practice in the field, rather than non-practicing architects.

Semester 09: No specific changes discussed.

Semester 10:

- Credits: The team discussed the need to increase the credits for the tenth semester.

Additional Points of Discussion:

- Exploring the use of Artificial Intelligence (AI) as a design tool suggested by Ar. Pooja Narain.
- Dr. Anantha Krishna emphasized the importance of physical models which will bring a holistic understanding of scale to the design project.
- **Structures** : The analytical component and scientific aspects of structures were highlighted. The idea of sending teachers for training at CEPT was suggested.
- **Electives** : It was agreed that electives should be treated as true electives, allowing students to choose freely. Concerns were raised about trusting the choice of electives solely to the teachers. Dr. Anantha Krishna advised that more transparency and accountability are needed in the selection of electives. It was emphasized that electives do not necessarily have to be general and can be specialized based on individual preferences.
- The integration of Sociology & Economics, Critical thinking, and Art Appreciation courses was also recommended to enhance the breadth and depth of the curriculum.

Points of discussion on the Detailed Syllabus of Semester I & II

- Dr. Anantha Krishna suggested to scale down the content of History of Architecture II due to its vastness.
- Specific topics like anthropometry were highlighted for review and revision, including the detailed syllabus of Basic Design I & II, addressing similarities between the two.
- The team discussed the inclusion of design, structures, and graphics in the Building Construction & Materials course.

01:25 pm

BOS 07: To Present the industry facing courses identified programme-wise / semester-wise

The Designing for Greater Efficiency (DfGE) course that was offered by IFC as part of the industry facing courses which encouraged skill development, knowledge and attitude towards the low-carbon path.

01:27 pm

BOS 08: To ratify and continue the SOA curriculum for B.Arch. for the academic session 2023 - 24 for the 2019 batch.

Notes: The approval for the mentioned agenda was granted by the members of the Board of Studies (BOS).

BOS 09: To ratify and approve the proposal of the SOA curriculum for B.Arch. for the academic session 2023 - 24 for the 2020, 2021, 2022 and batches, till 7th and 8th semester.

Notes: The approval was granted by the BOS members and their endorsement signifies their agreement and support for the content presented in the agenda.

BOS 10: To consider providing authorization to the Dean, to recommend to the Vice Chancellor to introduce or modify the course content, structure and curriculum of B.Arch. as and when needed in coordination with the Director.

Notes: The approval for the mentioned matter was granted by the members of the Board of Studies (BOS)

BOS 11: Approval of Panel of Examiners (POE) for Academic Session 2023 - 24

Notes: The approval was granted by the BOS Members for the Panel of Examiners presented.

01:30 pm

BOS 12 : To present activities during the AY 22 - 23 at SOA

a) Architectural Design Thesis

Notes: The Director presented the outcome of the students from the Thesis and it was appreciated by the members. Intensive engagement of the students and faculties towards a focused outcome as well as the quality of work produced was appreciated by the members.

b) AD Studios

Notes: The Design studios of semester 02, 03 and 07 were presented by Prof. Renuka and the BOS members appreciated the methodology adopted and the output of the studios.

c) Electives

Notes: The electives presented brought about the diverse possibilities of architectural representation explored by the courses offered.

d) Full-scale workshops

Notes: The Director discussed the successful outcome of Full-Scale Workshops conducted during AY 22 - 23 continuation of it into further semesters were suggested.

e) Others

This section included the presentation of study tours, site visits, meeting the practitioners, NASA, College Events and paper presentations.

01:34 pm

BOS 13 : Any other subject with permission of the Chair.

Notes: No other subjects were specifically mentioned or addressed during this discussion.

01:45 pm

The meeting concluded with the vote of thanks by the Director and the members proceeded for Lunch.

Action Items:

Further discussions and revisions will be undertaken to address the concerns and suggestions raised during the meeting.

MEMBER SECRETARY

SCHOOL OF MANAGEMENT
TWELFTH BOARD OF STUDIES MEETING

Venue: CMRU City Campus, HRBR Layout, Bangalore
Day & Date: Wednesday, 5th July, 2023
Time: 10:30 A.M.

AGENDA

READ AND RECORD THE AGENDA

BOS 01

Welcome & Introductory remarks by the Chairperson

CONFIRMATION OF THE PREVIOUS MEETING MINUTES

BOS 02

To approve the minutes of the 11th Board of Studies Meeting held on Saturday, the 07th May, 2022.

ACTION TAKEN ON THE PREVIOUS MEETING MINUTES

BOS 03

To report action taken on the Minutes of the 11th Board of Studies Meeting held on Saturday, 07th May, 2022.

ITEMS FOR CONSIDERATION

BOS 04

To consider and approve BBA curriculum for AY 2023-24 - Alignment with National Education Policy (NEP).

BOS 05

1. To consider and approve Credit structure, Programme structure and curriculum for AY 2023-24 with respect to the following programmes as per the NEP Guidelines:
(a) BBA Honours

- (b) BBA Honours with Research
- (c) BBA Honours - Digital Marketing
- (d) BBA Honours - Business Analytics

2. To consider and approve curriculum for AY 2023-24 BBA (G/DM/BA) 2021 & 2022 Batch.

BOS 06

To consider and approve changes in the Continuous Internal Evaluation (CIE) components and End Semester Examination Question paper pattern for the BBA Programmes (Hons./Research/DM/BA) for 2023 Batch.

BOS 07

To consider and approve the panel of examiners (Internal/external) for AY 2023-24

BOS 08

To consider and approve Academic Calendar of Events for AY 2023-24

BOS 09

Any other matters with the permission of the Chair.

MEMBER SECRETARY

SCHOOL OF MANAGEMENT
TWELFTH BOARD OF STUDIES MEETING
(Virtual Mode)

Venue: CMRU City Campus, HRBR Layout, Bangalore
Day & Date: Saturday, 8th July, 2023
Time: 10:30 A.M.

AGENDA

READ AND RECORD THE AGENDA

BOS 01

Welcome & Introductory remarks by the Chairperson

CONFIRMATION OF THE PREVIOUS MEETING MINUTES

BOS 02

To approve the minutes of the 11th Board of Studies Meeting held on Saturday, the 07th May, 2022.

ACTION TAKEN ON THE PREVIOUS MEETING MINUTES

BOS 03

To report action taken on the Minutes of the 11th Board of Studies Meeting held on Saturday, 07th May, 2022.

ITEMS FOR CONSIDERATION

BOS 04

To consider and approve MBA curriculum for AY 2023-24 Alignment with NEP.

BOS 05

To consider and approve MBA programme structure, credit structure and curriculum for AY 2023-24 as per NEP Guidelines.

BOS 06

To consider and approve changes in the question paper pattern for the following batches of MBA programmes:

- (a) MBA I to IV Semester for 2023 batch.
- (b) MBA III & IV Semester for 2022 batch.

BOS 07

To consider and approve the panel of examiners for AY 2023-24

BOS 08

To consider and approve Academic Calendar of Events for AY 2023-24

BOS 09

Any other matters with the permission of the Chair.

MEMBER SECRETARY

MINUTES OF THE BOARD OF STUDIES MEETING

AY 2023-24 : BOS - 12 – PSYCHOLOGY **SCHOOL OF SOCIAL SCIENCES AND HUMANITIES**

AGENDA

1. Confirmation on last MoM of 11th BOS
2. Action taken
3. Existing Programs
4. STE for 2023-24
5. List of Examiners (External/ Internal)
6. Calendar of Events AY[23-24] Academic and Co - & Extra – Curricular AY [23-24]
7. New Initiatives

MINUTES OF THE BOARD OF STUDIES MEETING
AY 2023-24 : BOS – 12: PSYCHOLOGY
SCHOOL OF SOCIAL SCIENCES AND HUMANITIES

Date : Wednesday, 14 June, 2023

Time : 01: 30 pm

Venue: City Campus, CMR University, Bangalore

Members present:

The SOSSH Board of Studies – Psychology members for Academic Year 2023-24

1	Dr. Venkata Ramani Challa Director & Professor, SOSSH CMR University	Chairperson
2	Dr. Suja Bennet Dean Academics CMR University	Member Secretary
3	Dr. Ashok. H Professor & Dean, School of Arts, Humanities, and Social Sciences Chanakya University, Bengaluru	External Expert Senior Professional (Academic)
4	Dr. Shailaja Shastri Director, Research and School Mental Health Programme Your DOST - Your Emotional Wellness Coach, Bengaluru, India	External Expert (Industry)
5	Dr.Ravi Shankar.A Professor of Practice Dept. of Psychology, SOSSH	Internal Member (Counselling)
6	Dr.Ruby John Assistant Professor, Dept. of Psychology, SOSSH	Internal Member (Clinical)
7	Dr. Sarath.P Assistant Professor, Dept. of Psychology, SOSSH	Internal Member (HRDM)
8	Dr. Shree Lakshmi.P Assistant Professor, Dept. of Psychology, SOSSH	Internal Member (Counselling)
9	Ms. Swathi.MN Assistant Professor, Dept. of Psychology, SOSSH	Invitee
10	Mr. Aadithya R Nath Assistant Professor, Dept. of Psychology, SOSSH	Invitee
11	Ms. Thushara M Teaching Associate Dept. of Psychology, SOSSH	Invitee

Proceedings

Welcome and Introduction by the Chairperson

The chairperson extended a warm welcome to all the members and invitees and introduced the new members of the Board of Studies to the gathering. The Chairperson explained the agenda of the meeting to the gathering and requested the members of the BOS to give their valuable suggestions for improving the syllabus.

Agenda 1: Confirmation of the previous Minutes of the Meeting AY 2022-23: BOS 11

The minutes of the previous Board of Studies meeting AY 2022-23: BOS 11 held on Saturday, 28th May 2022, was placed before the members.

Resolution- BOS12R1: The Minutes of the 11th Board of Studies Meeting was accepted by the Members.

Agenda 2: Report on the action taken on the minutes of the previous meeting held on Saturday, 28th May 2022

The action taken report on the Minutes of the 11th Board of Studies meeting was tabled and reviewed by the members.

Resolution – BOS12R2 : The action taken report was accepted and confirmed by the Members of the BOS.

Agenda 3: To Review and approve the Existing Programs for AY 2023-24

The proposal to review and approve the following existing programs was placed before the Members of the BOS for approval for AY 2023 – 24: BA (EJP), MSc - Psychology (Clinical, Counselling and HRDM)

Resolution – BOS12R03: The board accepted and approved the existing programs BA (EJP), MSc - Psychology (Clinical, Counselling and HRDM) for AY 2023-24.

Agenda 4: To Review and approve the New Program BSc- Psychology for AY 2023-24

The proposal to review and approve the following new program was placed before the Members of the BOS for approval for AY 2023 – 24: BSc (Psychology)

Resolution – BOS12R04: The board accepted and approved the new programs BSc (Psychology) for AY 2023-24.

Agenda 5: To Discuss and Evaluate STE [23-24] of all the Programmes.

To consider the Scheme of Teaching and Evaluation for the following programs

- BA (EJP) 2021-2024- V Sem and VI Sem (Honors)
- BSc (Psychology) 2023- 24 V Sem I and II Sem
- MSc – Psychology (Clinical, Counselling and HRDM) 2022- 24 sem III and Sem IV
- MSc – Psychology (Clinical, Counselling and HRDM) 2023- 25 sem I and Sem II

After a detailed presentation of the above mentioned STE, the members engaged in a productive discussion course content, practical training and internship components of the syllabus.

Following points were recommended:

- Incorporating the course content as per the requirement of the NEP 2020 for the upcoming years.
- The members suggested keeping the credit and hours of contact in sync with the PSOs, PO and the course content.
- Members recommended giving more importance to experiential learning by incorporating more practical aspects of the contents especially into courses of 4 credits.
- Suggested to conduct some of the practical in MSc- Psychology (clinical, counselling and HRDM) in collaborations with hospitals and industries to give more exposure to students.
- Emphasized the importance of giving more qualitative aspects rather than giving more quantitative aspects in the course content.
- Regarding MOOC courses for 3 credits, the members recommended that students could register for two different courses of 8 weeks and 4 weeks duration instead of registering for a single course of 12 weeks duration.
- Members suggested that, apart from NPTEL, students can register for MOOC courses in other platforms like course era where choice of courses are more.
- Courses in mental health, wellbeing, meaningful life etc. need to be incorporated.
- Suggested to include courses on neuropsychology, forensic psychology, cognitive psychology etc. in BSc (psychology) to give more practical aspects of the content. Also suggested to include modules on creativity in BSc (Psychology)
- Recommended including design thinking in the course.

Resolutions – BOS12R05 : After due evaluation and discussion, the Members approved the STE of all programs with the suggested modifications and additions that are to be incorporated.

Agenda 6: To approve the list of examiners for the academic year 2023-2024

A list of external and internal examiners for the academic year 2023-24 was presented for approval by the members of the Board.

Resolution – BOS12R06: The members of the Board accepted and approved the proposed the list of examiners for the academic year 2023-2024

Agenda 7: Approval of the Calendar of Events

Calendar of Events AY[23-24] (Academic) and Calendar of Events AY[23-24] (Co - & Extra - Curricular) were presented to the Members for approval

Resolution – BOS12R07: The Board approved the Calendar of Events.

Agenda 8: Any other matters with the permission of the Chair

Members suggested that more focus should be on imparting experiential learning / practical knowledge to students so that they are ready to be absorbed in the industry. Also adequate exposure to industries and training in subjects like New Media and web content design should be given priority.

Resolution- BOS12R08: Board of members appreciated the efforts in designing the STEs for all programs incorporating all major aspects of study for students. As a final note it was to give more importance to skills based practical / experiential learning.

Passing of the Resolutions

Resolution- BOS12R1: The Minutes of the 11th Board of Studies Meeting was accepted by the Members.

Resolution – BOS12R2 : The action taken report for the 11th BOS was accepted and confirmed by the Members of the BOS.

Resolution – BOS12R03: The board accepted and approved the existing programs BA (EJP), MSc - Psychology (Clinical, Counselling and HRDM) for AY 2023-24.

Resolution – BOS12R04: The board accepted and approved the new programs BSc (Psychology) for AY 2023-24.

Resolutions – BOS12R05 : After due evaluation and discussion, the Members approved the STE of all programs with some modifications and additions to be incorporated.

Resolution – BOS12R06: The members of the Board accepted and approved the proposed list of examiners for the academic year 2023-2024

Resolution – BOS1R06: The members of the Board accepted and approved the proposed list of internal and external examiners for the academic year 2022-2023.

Resolution – BOS12R07: The Board approved the Calendar of Events.

Resolution – BOS11R07: The Board approved both the Calendars of Events presented.

Resolution- BOS12R08: Board of members appreciated the efforts in designing the STEs for all programs incorporating all major aspects of study for students. As a final note it was recommended to give more importance to skills based practical / experiential learning.

Vote of thanks:

The meeting concluded with a Vote of Thanks to all the Members for the valuable contributions made by them in making the curriculum more robust. The External Members of the Board complimented the School of Social Sciences and Humanities for the content covered in all the Programmes, and also commented on the quality and richness of the interactions during the meeting.


Dr. Venkata Ramani Challa. 16/06/23.
DIRECTOR, SOSSH

Director
School of Social Sciences & Humanities
CMR University



CMR UNIVERSITY
SCHOOL OF
LEGAL STUDIES, BENGALURU.

No. 5 Bhuvanagiri OMBR Layout
Banaswadi Bangalore 560043
T: +91 80 25453077/88
E: admin.sols@cmr.edu.in
www.ls.cmr.ac.in

School of Legal Studies

Board of Studies

(As per Section 22 of CMR University Act)

Quorum

24.01.2023, Tuesday| 10:30 AM

Sl.No	Position	Name	Signature
1.	Chairman	Prof. (Dr.) T.R. Subramanya	
2.	Member	Prof. (Dr.) Ashok R. Patil	
3.	Member	Sri. V. Sudish Pai	
4.	Member	Dr. Seema Surendran	
5.	Member	Prof. Sreenidhi K. R	
6.	Member	Prof. Chanjana Elsa Philip	
7.	Member	Prof. V.J Praneshwaran	
8.	Member	Prof. (Dr.) Ishwara Bhat	On leave



Venue	CMR University, OMBR Campus, #5, Bhuvanagiri, OMBR Layout, Banaswadi Bangalore 560043	Date & Day	24 th January, 2023, Tuesday
		Time	10.30 Noon

AGENDA

READ AND RECORD THE AGENDA

BOS 01 Welcome the members, read and record the Agenda by the Chairperson.

CONFIRMATION OF THE PREVIOUS MEETING MINUTES

BOS 02 To confirm the Minutes of the BOS Meeting held on Friday, the 24th of June, 2022.

ACTION TAKEN ON THE PREVIOUS MEETING MINUTES

BOS 03 To report action taken on the Minutes of the BOS Meeting held on Friday, the 24th of June, 2022 placed before the Board of Studies for kind consideration.

ITEMS FOR CONSIDERATION

BOS 04 The Board may kindly accept the introduction of a new research Center for Excellence titled the Center for Child Rights at CMR University, School of Legal Studies.

BOS 05 The Board may kindly consider and approve the proposal put forth by the school for starting a 24-hour Certificate Course in Data Protection and Privacy Laws.

BOS 06 The Board may kindly consider the commencement of an Online Student Law Review with the objective of encouraging students to contribute to the field of research.

BOS 07 The Board may kindly consider and approve the proposal for starting a mandatory 40 Hour Certificate Program on Mediation for students of the Seventh Semester of the B.A., LL.B.(Hons.)/B.B.A., LL.B.(Hons.)/ B.Com., LL.B.(Hons.) and the third Semester of the Three-Year LL.B. Program.

BOS 08 Any other subject of academic importance.



V15
MEMBER SECRETARY



Action Taken Report on Minutes of the 8th Board of Studies Meeting
held on Friday, 24th June, 2022

SI No.	RESOLUTION	ACTION TAKEN
1	BOS08R01 - The members unanimously resolved to approve the new programme structure - 2022-2023 which reflects the change in plan of the courses to be taught to the said batch onwards.	The program structure 2022-2023 for all new batches of the UG Programmes for the new batches were implemented.
2	BOS08R02 - The members unanimously resolved to approve changes made to the Scheme of Teaching and Evaluation of all the courses for the first and second semesters of the UG/PG Programme which is mentioned in the Scheme of Teaching and Evaluation of each programme.	The syllabus of all the courses for the first and second semesters for all UG and PG Programmes as mentioned in the Scheme of Teaching and Evaluation of each programme for the batches commencing from the academic year 2022 – 23 was implemented.
3	BOS08R03 - The members unanimously resolved to approve the proposed amendments to the UG Program Regulations consequent to the changes made to program structure 2022-2023.	The UG Program Regulations consequent to the changes made to program structure 2022-2023 has been implemented.

V. V.
Member Secretary



MINUTES OF THE BOARD OF STUDIES MEETING

AY 2022-23 : BOS 9

SCHOOL OF LEGAL STUDIES

Date : Tuesday, 24th January, 2023

Time : 10.30 AM

Venue : Board Room, OMBR Campus

Members present:

- | | |
|--|---------------------------|
| 1. Prof. (Dr.) T.R. Subramanya
Dean, SOLS | - CHAIRPERSON |
| 2. Prof. (Dr.) Ashok R. Patil
Professor, NLSIU, Bengaluru | - EXTERNAL MEMBER |
| 3. Shri. V. Sudish Pai
Senior Advocate, High Court of Karnataka
Distinguished Advocate, Jurist and Author | - EXTERNAL MEMBER |
| 4. Prof. (Dr.) Seema Surendran
Professor, SOLS | - INTERNAL MEMBER |
| 5. Mr. Sreenidhi K.R.
Assistant Professor, SOLS | - INTERNAL MEMBER |
| 6. Dr. Chanjana Elsa Philip
Associate Professor, SOLS | - INTERNAL MEMBER |
| 7. Prof. (Dr.) V.J. Praneshwaran
Director, SOLS | - MEMBER SECRETARY |

Members absent:

- | | |
|--|--------------------------|
| Prof. (Dr.) P. Ishwara Bhat
Former Vice Chancellor, KSLU Hubballi &
Former Vice Chancellor, WBNUJS, Kolkata | - EXTERNAL MEMBER |
|--|--------------------------|

VIO



Proceedings

Agenda 1: Welcome the members, read and record the Agenda by the Chairperson.

- Welcome and Introduction - Chairperson Prof. (Dr.) T.R. Subramanya welcomed all the members present for the Board of Studies meeting and introduced all the external members present at the meeting.
- Member Secretary Prof. (Dr.) V.J. Praneshwaran, presented the Agenda for the meeting.

Agenda 2: Confirmation of the previous Minutes of the Meeting conducted for the Odd Semester for the AY 2022-23: BOS 08

2.1 The minutes of the previous board of studies meeting for the odd semester of the AY **2022-23: BOS 08** held on 24th June, 2022 were placed before the members. The minutes were unanimously accepted and affirmed by the members.

Agenda 3: Report on the action taken on the minutes of the previous meeting held on 24th June, 2022.

3.1. The Board has approved the action taken report based on the agenda and the points of discussions that the Board had during the BOS conducted on 24th June, 2022.

BOS08AT01: The Board accepted the new PROGRAM STRUCTURE 2022-2023 for all UG Programmes which reflected the changes in the structure of courses to be taught for all semesters.

The program structure 2022- 2023 for all new batches of the UG Programmes for the new batches were implemented.

BOS08AT02: The Board accepted the changes made to the syllabus of all the courses for the first and second semesters for all UG and PG Programmes as mentioned in the Scheme of Teaching and Evaluation of each programme for the batches commencing from the academic year 2022 – 23.

The syllabus of all the courses for the first and second semesters for all UG and PG Programmes as mentioned in the Scheme of Teaching and Evaluation of each programme for the batches commencing from the academic year 2022 – 23 was implemented.

BOS08AT03: The Board accepted the proposed amendments to the UG Program Regulations consequent to the changes made to PROGRAM STRUCTURE 2022-2023.

The UG Program Regulations consequent to the changes made to program structure 2022-2023 has been implemented.

Agenda: 4

The Board may kindly take note of the commencement of functioning of a new research Center for Excellence titled the *Center for Child Rights* at CMR University, School of Legal Studies with a vision to modify the existing social perspective of child rights so as to ensure focus on the core issues of protection and development of a child.

Resolution

- BOS04R01:** The Board approved the commencement of functioning of a new research Center for Excellence titled the *Center for Child Rights* at CMR University, School of Legal Studies with a vision to modify the existing social perspective of child rights to ensure focus on the core issues of protection and development of a child.

Agenda: 5

The Board may kindly accept the proposal put forth by the school for starting a 24 hour Certificate Course in *Data Protection and Privacy Laws*

Resolution

- BOS05R02:** The Board unanimously accepted the proposal put forth by the school for starting a 24 hour Certificate Course in *Data Protection and Privacy Laws*

Agenda:6

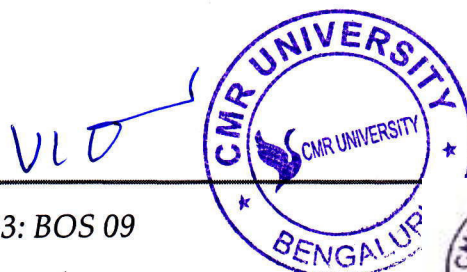
The Board may kindly appreciate the initiative taken by the School for starting an Online Student Law Review Journal with the objective of encouraging students to contribute to the field of research.

Resolution

- BOS06R03:** The Board accepted and appreciated the initiative taken by the School for starting an Online Student Law Review Journal with the objective of encouraging students to contribute to the field of research.

Agenda :7

The board may kindly accept the proposal for starting a mandatory 40 Hour Certificate Program on Mediation for students of the Seventh Semester of the B.A.,LL.B.(Hons.)/B.B.A.,LL.B.(Hons.) and the third Semester of the Three Year LL.B. Program.



Resolution

BOS07R04: The board accepted the proposal for starting a mandatory 40 Hour Certificate Program on Mediation for students of the Seventh Semester of the B.A., LL.B.(Hons.)/B.B.A., LL.B.(Hons.) and the third Semester of the Three-Year LL.B. Program.

Remarks

- BOS07Rem01:** Prof. (Dr.) Ashok Patil, the external member of the Board of Studies gave recommendations to include 'Role Play' specifically as a separate module in the proposed syllabus. He also recommended to include the Mediation Bill, 2020 in the syllabus to be taught for the 24-hour certificate course.

General Remarks

BOS08Rem02: The board also suggested to include a Center on Consumer Protection in addition to the other 9 Centers of Research functioning at the school.

BOS08Rem03: The Board also suggested to take up Consumer disputes as part of the work undertaken by the Legal Aid Cell at the School.

Vote of Thanks: The Vote of Thanks was proposed by Prof. (Dr.) V.J. Praneshwaran, Member Secretary & Director, School of Legal Studies.


Member Secretary



MINUTES OF THE BOARD OF STUDIES MEETING

AY 2023-24 : BOS 10

SCHOOL OF ENGINEERING AND TECHNOLOGY
Basic Sciences and Humanities

Date : **Friday, 16/06/2023**
Time : **11.00 a.m to 1.00 p.m**
Venue : **BSH Faculty Area**

Members present:

- | | |
|---|-------------------|
| 1. Dr.Sreevidya Varma, Associate Professor and HoD-BSH (CMRU) | - INTERNAL MEMBER |
| 2. Dr. A V Arun Babu, Technology Manager, MNCF, IISc, Bangalore | - EXTERNAL MEMBER |
| 3. Dr. Priti Gupta, Associate Professor, Chemistry Dept. (CMRIT) | - EXTERNAL MEMBER |
| 4. Dr. Rajendra, Associate Professor, Mathematics Dept. (CMRIT) | - EXTERNAL MEMBER |
| 5. Dr. S. Naresh Kumar, Associate Professor, Physics Dept. (CMRU) | - INTERNAL MEMBER |
| 6. Dr. Manaswini Raj, Assistant Professor, Chemistry Dept. (CMRU) | - INTERNAL MEMBER |
| 7. Mr. Puneetha, Assistant Professor, Mathematics Dept. (CMRU) | - INTERNAL MEMBER |
| 8. Ms. Fayal Dsouza, Assistant Professor, Chemistry Dept. (CMRU) | - INTERNAL MEMBER |

Members absent:

- | | |
|--|-------------------|
| 1. Dr. Sharath Umesh, Associate Staff Engineer, Becton Dickinson Technology- | EXTERNAL MEMBER |
| 2 Dr. Rajesh Gopal, Associate Professor, Physics Dept. (CMRIT) | - EXTERNAL MEMBER |

Proceedings

Dr. Sreevidya Varma welcomed all BOS Members to the 10th BOS meeting.

Agenda 1: Review of decisions taken in the 9th BOS Meeting

Dr. Sreevidya Varma presented minutes of the previous board of studies meeting AY 2022-23: BOS 09 held on Saturday, 18/06/2022.

Agenda 2: Action Taken

The action taken report of the previous board of studies meeting AY 2022-23: BOS 09 held on Saturday, 18/06/2022 were presented before the members.

Agenda 3: STE 2023-24 for I and II Semester B.Tech

The proposed Scheme of Teaching and Evaluation for I and II Semester B.Tech students were presented before the members.

Dr. Sreevidya Varma Presented Engineering Physics Scheme of Teaching and Evaluation.

Prof. Fayal Dsouza Presented Engineering Chemistry Scheme of Teaching and Evaluation.

Prof. Puneetha presented Engineering Mathematics Scheme of Teaching and Evaluation.

Agenda 4: STE 2023-24 for III and IV Semester

Prof. Puneetha presented Engineering Mathematics Scheme of Teaching and Evaluation for III and IV semester.

Agenda 5: STE 2023-24 for M. Tech.

Prof. Puneetha presented Engineering Mathematics Scheme of Teaching and Evaluation for M.Tech AI and . M.Tech CSE branches

Agenda 6: Recommendations By BOS Members

Engineering Physics:

Dr. A. V. Arunbabu suggested to include FBG sensors and Semiconductor Lasers in module 1 and In module 2, optical properties of semiconductors to be included in the syllabus. Suggested new Reference in module 2.

Engineering Chemistry:

Dr. Priti Gupta suggested to include Bio-material sensors in Module 1.

She has suggested the following topics for Projects in Chemistry.

- (i) Synthesis of nano-materials from simple precipitation Method.
- (ii) To estimate quality of water.
- (iii) Synthesis of green plastic.

(iv) Estimation of calorific value and flashpoint in biodiesel.

Engineering Mathematics

Dr. P Rajendra suggested the following changes in the STE.

1. Discrete Mathematics structures changed the title into Engineering Mathematics I for CSE.
2. Engineering Mathematics IV changed the title into Engineering Mathematics II for CSE.
3. Engineering Mathematics-I for CSE, swapped two module form EM-II for CSE.
4. Engineering Mathematics-II for CSE, swapped two module from EM-I for CSE.

Vote of Thanks

Dr. Sreevidya Varma thanked all the external and internal BOS members for their active involvement in the BOS Meeting

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Note:

- Header - To remain the same
- Footer - To change the school name and BOS number as applicable

A) SUGGESTED AGENDA

1. New curriculum AY[23-24]
2. New programmes introduced
3. Syllabus modification
4. STE links of all Programmes (if applicable)
5. Assessment (Existing / Introduced)
6. Question paper pattern (online)
7. Doctoral Coursework Courses (if applicable)
8. List of Examiners (External / Internal)
9. Calendar of Events AY[23-24]
10. Amendments in Programme Regulations
11. Introduction of new centres
12. Introduction of new initiatives - Pedagogy / Assessment / student centered initiatives

B) TEMPLATE FOR ACTION TAKEN REPORT

Action Taken Report : Board of Studies Meeting

Meeting: AY 2023-24: BOS: 10th

CMRU SOET: *Board of Studies Meeting AY 2023-24: BOS 10*

Pa



Date: Friday, 16th June, 2023

Venue: Board Room

AGENDA NO.	RESOLUTION / REMARKS	ACTION TAKEN
BOS06AT01	BOS06R01: B.Tech(CSE) - 2023 Batch 3 rd and 4 th sem STE Panel members suggested the inclusion of <ol style="list-style-type: none"> 1. complexity analysis of the algorithms in a data structures course to equip students with real-time analysis of real-world problems and choosing the right algorithms based on the time and space complexity. 2. Panel members suggested the change in approach to teaching lab programs in data structures by including solving real-time problems such as problems from the Leetcode or Hackerrank portals. 3. Panel members also suggested including the "git/github" courses which is a mandatory skill to develop for any student who aspires to become a software developer. 	Implemented
BOS06AT02	BOS06R02: The members also suggested the inclusion of courses such as "Ethical AI", " AI In Life Science", " GRC - Governance, Risk and Compliance" and MERN Stack for Full stack Web Development	Implemented
BOS06AT03	BOS06R03:	Implemented

	<p>B.Tech(CSE) - 2023 Batch 3rd and 4th sem STE Panel members suggested the inclusion of</p> <ol style="list-style-type: none"> 1. Version control with Git 2. Julia, Scala and C. etc programming languages. 3. Panel members also suggested including the programming paradigm as basic principle 4. Javascript Course revision 	
BOS06AT04	<p>BOS06R04: B.Tech(CSE) - 2023 and 2024 batch syllabus</p> <ol style="list-style-type: none"> 1. 5th, 6th, 7th and 8th semester STE was approved by the board. 2. Panel members accepted the inclusion of MOOC Courses in the STE 	Implemented
BOS06AT05	<p>BOS06R05:</p> <ol style="list-style-type: none"> 1. The panel member Dr. Ramasuri Narayanam suggested including dedicated courses such as "Foundations of Latest technologies" as credit based courses. 2. The panel member Dr. Sunil requested to implement the combination of Design Thinking with specialization on project 	Implemented

	<p>based learning with products as outcome in engineering.</p> <p>3. The panel member Dr. Sujith Kumar Chakraborti suggested inclusion of the entrepreneurship and innovation course</p>	
BOS06AT06	<p>BOS06R06:</p> <p>1. Swapping of DCCC to the program Core courses were done reducing the overall credits to 160 from 170.</p> <p>2. 2 credits courses are offered for 2023 Batch.</p>	Implemented
BOS06AT07	<p>BOS06R07: For A.Y 2022-23 onwards</p> <p>1. Introducing the MOOC & Online courses</p> <p>1. Online Course valuation Procedure</p>	Implemented
BOS06AT08	<p>BOS06R08:</p> <p>1. The members also suggested the inclusion of courses such as "Ethical AI", " AI In Life Science", MERN Stack for</p>	Implemented

	Full stack Web Development.	
BOS06AT09	<p>BOS06R09:</p> <ol style="list-style-type: none"> 1. The members suggested the revision of the course such as “Chatbot” 2. Panel members accepted the suggestion to remove M3 and revise DMS to DMS and Applications to include statistics and probability concepts for DS program 3. BOS Members suggested inclusion of a practical approach in teaching DS with inclusion of Datasets and analysis tools available for DS. 	Implemented
BOS06AT10	<p>BOS06R10:</p> <ol style="list-style-type: none"> 1. Panel Members also suggested the inclusion of the “ Data lakes & Latest technologies” Course in the professional elective bucket. 2. Panel Members suggested the inclusion of more courses in the professional elective 	Implemented

	<p>courses buckets like “ Data Modeling” and “ Data Visualization” for the DS Course.</p>	
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MEMBER SECRETARY

C) TEMPLATE FOR MINUTES OF THE BOARD OF STUDIES MEETING

MINUTES OF THE BOARD OF STUDIES MEETING

AY 2023-24: BOS 10th

SCHOOL OF ENGINEERING TECHNOLOGY

Date : **Friday, 16th June, 2023**

Time : **11.00 a.m. – 21.30 p.m.**

Venue : **Board Room, SOET**

Members present:

1. Dr. V R Manjunath	Chairman
2. Dr. K. Rajanikanth	External Member
3. Dr. Sujith Kumar Chakraborti	External Member
4. Dr. Ramasuri Narayanam	External Member
5. Dr. P. Rubini	Internal Member
6. Dr. S. Saravana Kumar	Internal Member
7. Dr. Parameswaran T	Internal Member
8. Dr. Kalyan N	Internal Member

Members absent:

1.

2.

- **Welcome by the Member Secretary**

The Member Secretary welcomed all the members of the 10th Board of Studies to the meeting. He also welcomed the internal members and the academic staff.

- **Welcome and introduction by the Chairperson**

- i. The Chairman extended a warm welcome to all the external members.
- ii. The Chairman introduced and welcomed the special invitees.
- iii. The Chairman welcomed all the internal BOS members and the academic staff of SOET
- iv. The Chairman thanked all the 9th BOS members for their contribution towards development of curriculum, an ongoing process.

- **Member Secretary reads out the Agenda**

Agenda 1: Confirmation of the previous Minutes of the Meeting AY 2022-23: BOS 09

- The minutes of the previous board of studies meeting AY 2022-23: BOS 09 held on 18th June 2022 were placed before the members.

Agenda 2: The meeting Started with Dr. Rubini P welcoming the panel members and emphasizing the plan for the BOS Meeting which contained:

- Inclusions & Changes implemented from the Curriculum advisory panel meeting for AY - 2023-24 - M.Tech & B.Tech
- Pre-BOS Changes implemented from the CAP and FSCRT in the Curriculum framework for the AY-2023-24 - B.Tech
- STE for M.Tech - CSE, AI & DS (Part-time) Courses Introduction.

Agenda 3: Report on the action taken on the minutes of the previous meeting held on 18th June 2022.

- BOS06AT01: The action taken report was accepted and confirmed by the Members of the 10th BOS.

3.1 As per CAP members Suggestions:

1. 1st Year 2023 Batch:

Based on the committee suggestion, modifications in the syllabus is updated

- The course “Microsoft Office” is renamed to “Office automation” from the suggestion by the BOS Panel Members
- 4CSPL1011 - Problem solving using Python (MOOC) - Foundation Course is introduced considering the MOOC Option.

2. 2nd Semester 2023 Batch:

- 4CSGC1011 - Elements of Computer Engineering - Foundation course with 3-0-0=3 Credits introduced.

3. 3rd Semester 2023 Batch:

- As per the suggestion by the panel members and FSCRT meeting the DMS is renamed to “**4MATH2131 - Discrete Mathematical Structures and Applications**” and revised to include the application aspect of computer science with **3-1-0=4** Credits.
- **4CSPL1111 - Problem solving and programming using C** - Foundation Course with **1-0-1=2** credits was introduced.
- **4CSPL1022 - Data Structures** - Foundation Course with 2-0-1=3 Credits was introduced.
- Graduate Requirement courses were clubbed into Career Preparedness Courses
- Panel member Mr. Sriram also suggested changes in WDPD - Web Development using Python and Django course from 3rd, SEM - CSE
- Panel members suggested making the course more streamlined by removing Python automation and web scraping modules from the existing syllabus.

- Panel members also suggested including MERN Stack for Web development using Python rather than MEAN Stack for higher semesters as an open elective course.

Resolution - BOS06R01: As per NEP, the above-mentioned courses are added in the AY 2023 batch.

3.2 Changes & Modification:

- The course “Microsoft Office” is renamed to “Office automation” from the suggestion by the BOS Panel Members
- 4CSPL1011 - Problem solving using Python (MOOC) - Foundation Course is introduced considering the MOOC Option.
- 4CSGC1011 - Elements of Computer Engineering - Foundation course with 3-0-0=3 Credits revised.
- As per the suggestion by the panel members and FSCRT meeting the DMS is renamed to “**4MATH2131 - Discrete Mathematical Structures and Applications**” and revised to include the application aspect of computer science with **3-1-0=4** Credits.
- **4CSPL1111 - Problem solving and programming using C** - Foundation Course with **1-0-1=2** credits was introduced.
- **4CSPL1022 - Data Structures** - Foundation Course with 2-0-1=3 Credits was introduced.
- Graduate Requirement courses were clubbed into Career Preparedness Courses

Agenda 4: Scheme of Teaching and Evaluation (STE) of all the B. Tech programs for the batches-2020, 2021, 2022 and 2023 were presented by Dr. Rubini P, CSE HoD and considered for revisions and changes

- **Course code and course name have been changed for few CSE courses as per NEP:**
 - 4CSPL1011- Problem solving using Python(MOOC) - Introducing MOOC Blended Learning.
 - 4CSGC1011 - Elements of Computer Engineering - Foundation Credit change to 3-0-0=3 Credits

- DMS Renamed to **4MATH2131 - Discrete Mathematical Structures and Applications**
- **4CSPL1111 - Problem solving and programming using C** - Foundation Course with 1-0-1=2 Credits
- **4CSPL1022 - Data Structures** - Foundation Course with 2-0-1=3 Credits.

Remarks:

BOS06Rem01: The BOS members also suggested *there has to be categories for electives*

- Inclusion of the above fundamental courses under the present scheme and special electives such as introductions to new technologies in AI, Generative AI: How to build LLMs (Large Language Models).

Vote of thanks:

The meeting concluded with a vote of thanks to the panel members by Dr. Rubini P.

Member Secretary

Note:

- Agendas might or might not have resolutions.
- * The last agenda is listing out and reading of all the resolutions passed
- **AT** in BOS06AT01 stand for **Action Taken**
- **R** in BOS06R01 stand for **Resolution passed**
- **Rem** in BOS06Rem01 stands for **Remarks** on any matter discussed during the meeting or during the presentation.
- In Action Taken the BOS number is the previous BOSnumber.
- In Resolutions and Remarks the BOS number is current BOS number
- Header to remain the same
- Footer - change the school name and BOS number as applicable

D) TEMPLATE FOR SYLLABUS MODIFICATION IN DETAIL

[Syllabus Modification Template](#)

E) TEMPLATE FOR SYLLABUS MODIFICATION(IN CONCISE)

SYLLABUS MODIFICATION(IN CONCISE)

School: School of Engineering Technology

Programme: B.Tech(CSE, IT, AI&ML, DS)

Academic Year : 2023-24

Batch: 2022-23

Semester: I

Course Code	Course Name	a.NewlyIntroduced b. Deleted c. Modified	Remarks
4CSPL1011	Problem solving using Python (MOOC)	Modified	Based on NEP

Semester: II

Course Code	Course Name	a.NewlyIntroduced b. Deleted c. Modified	Remarks
4CSGC1011	Elements of Computer Engineering	Modified	Based on NEP

Semester: III

Course	Course Name	a.NewlyIntroduced	Remarks
--------	-------------	-------------------	---------

Code		b. Deleted c. Modified	
4MATH213 1	Discrete Mathematical Structures and Applications	Modified	Based on NEP
4CSPL1111	Problem solving and programming using C	Newly Introduced	Based on NEP
4CSPL1022	Data Structures	Newly Introduced	Based on NEP

DEAN/ DIRECTOR

**F) TEMPLATE FOR AMENDMENTS IN THE
PROGRAMME REGULATIONS**

AMENDMENTS IN THE

PROGRAMME REGULATIONS

PROGRAMME REGULATIONS: << >>

SCHOOL OF << >>

PROGRAMME: << >>

BOS: AY 2022-23 : BOS << no.>>

Date: <<Day >>, <<Date>> <<Month>>, 2023

Regulation No.	Existing	Amendment	Reasons for Amendment (if any)

DEAN/ DIRECTOR

Invitation to be Member ,Board of Studies

Dear << >>

Greetings from CMR University !!!

CMR University (CMRU) established in 2013 is part of CMR group of Institutions that has over 20,000 students across different Institutions.

The University offers undergraduate ,post-graduate and doctoral programs across disciplines such as Architecture, Design, Engineering, Law, Management, Economics & Commerce, Science, Social Sciences & Humanities and Education.

The << >> of CMRU has over << no. >> students and offers << >> and PhD programs in << >>. To further strengthen the programs and infuse contemporary curriculum and pedagogy, we invite you to be a Member, Board of Studies of the << >>. The tenure of the Member will be 2 years.

We look forward to your acceptance and your valued contribution.

Warm regards,
<< >>
Dean
School << >>
CMR University

Dear Sir/Madam,

We take privilege in inviting you to the Tenth Board of Studies Meeting of the School of<< >>, CMR University on << day >>, << month & date>>, 2021 at << time >> (online). We request your esteemed presence for the meeting and look forward to your valued contributions towards improving our programs.

The agenda and the link for the meeting will be shared before <<month & date >>.

Should you have any queries, please do let us know.

Warm regards,
<<Name >>
<<Designation >>
<<School Name>>
CMR University

Dear Sir/Madam,

Further to my earlier mail, I am attaching the agenda for the Board of Studies meeting. I have also attached the programme structure of our courses for your kind perusal.

As intimated earlier, the meeting is scheduled at <<time>> on <<day>>,<<month & date >>, 2021. The link for the same is below:

<< link>>

Look forward to e-meeting you...

Warm regards,
Warm regards,
<<Name >>
<<Designation >>
<<School Name>>

CMR University

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Note:

- Header - To remain the same
- Footer - To change the school name and BOS number as applicable

A) SUGGESTED AGENDA

1. New curriculum AY[23-24]
2. New programmes introduced
3. Syllabus modification
4. STE links of all Programmes (if applicable)
5. Assessment (Existing / Introduced)
6. Question paper pattern (online)
7. Doctoral Coursework Courses (if applicable)
8. List of Examiners (External / Internal)
9. Calendar of Events AY[23-24]
10. Amendments in Programme Regulations
11. Introduction of new centres
12. Introduction of new initiatives - Pedagogy / Assessment / student centered initiatives

B) TEMPLATE FOR ACTION TAKEN REPORT

Action Taken Report: Board of Studies Meeting

Meeting: AY 2023-24: BOS: 10th

Date: Friday, 16th June, 2023

Venue: Design Thinking Lab

AGENDA NO.	RESOLUTION / REMARKS	ACTION TAKEN
BOS06AT01	BOS06R01: A.Y 2023- 24 (Batch 23) 1. MWE moved from Common Core to the Program Core group. 2. Framework 3. As per 10 TH BoS policy, 1 st semester and 2 nd semester credits are increased by one as Community Service program (CSP) courses are added.	Implemented
BOS06AT02	BOS06R02: Major modifications made in terms of total credits for the 2023-27 batch which has been reduced from 170 to 160. 1. The changes incorporated for DCCC, GR, Non-GR, CSP courses were highlighted to the members. He also presented the introduction of minimum 1 online course right from 1st to 7th semester to satisfy the NEP 2020 guidelines as suggested by the Hon'ble VC Sir during the Pre-BOS meeting. 2. He also presented that the Scheme of Evaluation of the Online courses will be in accordance with the same scheme followed for offline courses (i.e., CIE- 50 marks, SEE - 50 marks) as suggested by Dean Academics.	Implemented

BOS06AT03	<p>BOS06R03: Accelerated credit course (ACC) 2023-24</p> <p>1. SOET is offering 2 ACC courses. From ECE, we are offering Sensors & IoT and from CSE its Mobile Development. ACC courses are opened to all the other schools of the University and will be conducted in ONLINE mode. Each course is of one credit. SOET offers 2 credits courses for the upcoming batch 2023.</p> <p>2. ACC - ECE objectives were explained and how it will be benefiting the students in their journey of B.Tech. Sensors & IoT will be collaborated with the Design Thinking course. It is of 15hrs course and each day of 1 hour session will be occupied. First half an hour is explaining a theoretical concept and the next half by demonstrating the related model.</p>	Implemented
BOS06AT04	<p>BOS06Rem01:</p> <p>1. Swapping of DCCC to program Core section were done.</p> <p>2. Based on NEP 2020 guidelines, reduction of credits were done.</p> <p>3. 2 credits courses are offered for 2023 Batch.</p>	
BOS06AT05	<p>BOS06R04: For A.Y 2022-23 onwards</p> <p>1.Introducing the MOOC & Online courses</p> <p>2.Online Course valuation Procedure</p>	Implemented
BOS06AT06	<p>BOS06R05: Dr. MuralishankarR, professor ECE, SoET</p> <p>1. Briefed on the Accelerated credit course (ACC) on Sensors & IoT.</p>	Implemented

	2. Briefed about Making with Electronics as it is a project-based course so that a gist of Arduino Language taught to CSE and its sub branches.	
BOS06AT07	BOS06Rem02: 1. Course inclusion and exclusion of courses are made based on NEP 2020 2. Dr. Sanjeev suggested having portable ECG instead of PCG for an ACC.	
BOS06AT08	BOS06R06: Dr. Sanjeev Kubakaddi, founder & director Orchid Techscape, Bengaluru 1. Mentioned the importance of having Field Theory/Module 1 in any subject so that it benefits the students interested in the Communication field. 2. He also mentioned the importance of having the knowledge of learning one programming language thoroughly instead of learning 2 to 3 programming languages because logical thinking plays an important role. 3. He asked all the ECE faculty to sit along with Mathematics faculty in order to set the topics related to Network Analysis & Digital Signal Processing with topics like convolution, Differential Equation etc. so that faculty time can be reduced while teaching the core subjects. 4. He appreciated the innovative course considered in the program as "Design Thinking Course" 5. He pointed out that there has to be categories for electives for the smooth conduction of the programme.	Implemented

BOS06AT09	BOS06Rem03: 1. Concept of Field theory will be included in Transmission and antenna so that students can visualize it. 2. Making sure that students will be well worst in one programming knowledge and be helpful for their placements.	

MEMBER SECRETARY

C) TEMPLATE FOR MINUTES OF THE BOARD OF STUDIES MEETING

MINUTES OF THE BOARD OF STUDIES MEETING

AY 2023-24: BOS 10th

SCHOOL OF ENGINEERING TECHNOLOGY

Date : Friday, 16th June, 2023
Time : 11.00 a.m. – 21.30 p.m.

Venue : Design Thinking Lab

Members present:

1. Dr. V R Manjunath - CHAIRMAN
2. Dr. Sanjeev Kubakaddi - EXTERNAL MEMBER
3. Dr. T Y Satheesha - MEMBER CHAIR (ECE Department)
4. Dr. S Saravana Kumar - MEMBER SECRETARY
5. Dr. MuraliShankar R - MEMBER
6. Prof. Akshatha Bhat - MEMBER
7. Dr. Abhishek Kumar
8. Dr. K Ezhilarasan
9. Dr. Vishvas Kumar
10. Dr. Prachi Guptha
11. Prof. Hamsalekha R
12. Prof. Hitesh Panda
13. Prof. Debadrita Banerjee
14. Prof. Roopesh R

Members absent:

1. Dr. Venkatratnam Chitturi
2. Prof. Elakkiya

Proceedings

- **Welcome by the Member Secretary**

The Member Secretary welcomed all the members of 10th Board of Studies to the meeting. He also welcomed the internal members and the academic staff.

- **Welcome and introduction by the Chairperson**

- i. The Chairman extended a warm welcome to all the external members.
- ii. The Chairman introduced and welcomed the special invitees.
- iii. The Chairman welcomed all the internal BOS members and the academic staff of SOET

- iv. The Chairman thanked all the 9th BOS members for their contribution towards development of curriculum, an ongoing process.

- **Member Secretary reads out the Agenda**

Agenda 1: Confirmation of the previous Minutes of the Meeting AY 2022-23: BOS 09

- 1.1 The minutes of the previous board of studies meeting AY 2022-23: BOS 09 held on 18th June 2022 were placed before the members.

Agenda 2: Report on the action taken on the minutes of the previous meeting held on 18th June 2022.

BOS06AT01: The action taken report was accepted and confirmed by the Members of the 10th BOS.

BOS06AT02:

Agenda 3: Scheme of Teaching and Evaluation (STE) of all the B. Tech programs for the batches-2020, 2021, 2022 and 2023 and EComp 2021 were presented by Dr. TY Satheesha, ECE HoD.

3.1 As per CAP members Suggestions:

a. 1st Year 2023 Batch:

Based on the committee suggestion, modifications in the syllabus is updated

1. for **Elements of Electronics Engineering** (4ENCE1011)

c. 3rd Semester 2022 Batch:

1. Problem solving and programming using C & (4CSPL1111) - New Course is introduced.
2. **Engineering Mathematics III** 4MATH2011 (3-1-0-4), credit is changed to (3-0-0-3).

d. 4th Semester 2022 Batch:

1. Credit is changed for **Engineering Mathematics IV 4MATH2021** (3-1-0-4) to (3-0-0-3).
2. Credits remains the same and lab is included for **Principles of Communication 4ENCC2011**

Resolution - BOS06R01: As per NEP, the above-mentioned courses are added in the AY 2023 batch.

3.2 Changes & Modification:

a. 5th Semester 2021 Batch:

1. Shifted from 6th semester to 5th semester elective & course code have been changed & changed based on the committee suggestion.
2. Satellite Communication (4ENCC1061) - Satellite Communication (4BEC625)

b. 6th Semester 2021 Batch:

1. Shifted these subjects from 7th semester to 6th semester & course code have been changed & changed based on the committee suggestion.
2. Computer Communication Networks(4ENCC1071) - Computer Communication Networks(4BEC702)
3. Advanced Digital Communication(4ENCC2021) - Advanced Digital Communication(4BEC735)
4. Micro Electrical mechanical System(MEMS) (MOOC) (4ENCC1231)- Micro Electrical Mechanical System(MEMS) (MOOC) (4BEC622)

Resolution - BOS06R02: The changes & modifications in the syllabus were presented and approved.

b. **Agenda 4:**

4.1: Course code and course name have been changed for few ECE courses as per NEP

1. Problem solving and programming using C & (4CSPL1111)- New Course introduced
2. Digital Signal Processing (4ENCC1011) -Digital Signal Processing (4BEC503)
3. Embedded system and ARM processor (4ENCE2031) - Embedded Systems (4BEC603)
4. Power Electronics and Control (4ENEE1071) - Power Electronics (4BEC504) & Control System (4BEC505).

4.2: Modifications have been done in the syllabus for the following ECE subjects:

a. Elements of Electronics Engineering (4ENCE1011)-2nd Semester

1. Module-1A will become Module 3A.
2. Module-02 shifted from Making with Electronics course to Module 2 Introduction to Sensors & Renewable energy sources
3. Module 2B will become Module 3B.
4. Module-03 will become Module 4.
5. Module-04 will become Module 1.

b. Power Electronics & Control (4ENEE1071)-5th Semester

1. Based on the New BOS policies, course title & course code have been changed to Power Electronics and Control & 4ENEE1071
2. Modules-All module contents have also been modified and updated

Resolution - BOS06R01: The changes in the course codes and modifications in the syllabus were presented and approved.

Remarks:

BOS06Rem01: The BOS members also suggested *there has to be categories for electives*

- Inclusion of the above fundamental courses under the present scheme

Vote of thanks: The meeting is concluded with vote of thanks to the panel members by Prof. Muralishankar R. and phase response and slight modifications in order of the contents.

Member Secretary

Note:

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D) TEMPLATE FOR SYLLABUS MODIFICATION IN DETAIL

[Syllabus Modification- ECE](#)

[Syllabus Modification - ECPT](#)

E) TEMPLATE FOR SYLLABUS MODIFICATION (IN CONCISE)

SYLLABUS MODIFICATION (IN CONCISE)

School: School of Engineering Technology

Programme: B.Tech(ECE & Ecomp)

Academic Year : 2023-24

Batch: 2022-23

Semester: I

Course Code	Course Name	a. Newly Introduced b. Deleted c. Modified	Remarks
4ENCE1011	Elements of Electronics Engineering	c. Modified	Based on NEP

Semester: III

Course Code	Course Name	a. Newly Introduced b. Deleted c. Modified	Remarks
4CSPL1111	Problem solving and programming using C	a. Newly Introduced	Based on NEP

Semester: V

Course Code	Course Name	a. Newly Introduced b. Deleted c. Modified	Remarks
4ENEE1071	Power Electronics & Control	c. Modified	Based on NEP

DEAN / DIRECTOR

F) TEMPLATE FOR AMENDMENTS IN THE
PROGRAMME REGULATIONS

AMENDMENTS IN THE

PROGRAMME REGULATIONS

PROGRAMME REGULATIONS: << >>

SCHOOL OF << >>

PROGRAMME: << >>

BOS: AY 2022-23 : BOS << no.>>

Date: <<Day >>, <<Date>> <<Month>>, 2023

Regulation No.	Existing	Amendment	Reasons for Amendment (if any)

DEAN / DIRECTOR

Invitation to be Member, Board of Studies

Dear << >>

Greetings from CMR University!!!

CMR University (CMRU) established in 2013 is part of CMR group of Institutions that has over 20,000 students across different Institutions.

The University offers undergraduate, post-graduate and doctoral programs across disciplines such as Architecture, Design, Engineering, Law, Management, Economics & Commerce, Science, Social Sciences & Humanities and Education.

The << >> of CMRU has over << no. >> Students and offers << >> and PhD programs in << >>. To further strengthen the programs and infuse contemporary curriculum and pedagogy, we invite you to be a Member, Board of Studies of the << >>. The tenure of the Member will be 2 years.

We look forward to your acceptance and your valued contribution.

Warm regards,

<< >>

Dean

School << >>

CMR University

Dear Sir/Madam,

We take privilege in inviting you to the Tenth Board of Studies Meeting of the School of<< >>, CMR University on << day >>, << month & date>>, 2021 at << time >> (online). We request your esteemed presence for the meeting and look forward to your valued contributions towards improving our programs.

The agenda and the link for the meeting will be shared before <<month & date >>.

Should you have any queries, please do let us know.

Warm regards,

<<Name >>

<<Designation >>

<<School Name>>

CMR University

Dear Sir/Madam,

Further to my earlier mail, I am attaching the agenda for the Board of Studies meeting. I have also attached the programme structure of our courses for your kind perusal.

As intimated earlier, the meeting is scheduled at <<time>> on <<day>>,<<month & date >>, 2021. The link for the same is below:

<< link>>

Look forward to e-meeting you...

Warm regards,

Warm regards,

<<Name >>

<<Designation >>

<<School Name>>

CMR University



MINUTES OF THE SECOND BOARD OF STUDIES MEETING (In Person)

AY 2023-24 : BOS II



Date : Monday, 24th July, 2023
Time : 2.00 p.m – 5.30 pm
Venue : CMRU School of Design, Creative Block, Lakeside Campus

Members present:

Senior External Members (2022-24):

1. Ms. Sonia Manchanda - Industry Member (Founding Partner, SPREAD)
2. Ms. Jayshree Poddar - Industry Member (Design Director, Himatsingka Siede Limited)
3. Mr. Chandrashekar Surbhat - Industry Member (VP & Global Head, Digital Experience (DX), WIPRO)
4. Prof. Nijoo Dubey - Academic Member (Program Lead, Universal Design, NID)

New External Members (2023-25):

1. Mr. Kurian Joseph - Industry Member (Director, JASKY EXPORTS PRIVATE LIMITED, BANGALORE)
2. Mr. Sanju P - Industry Member (Founder Director, White Space Brand Consulting, Bangalore)

Internal CMRU Members:

1. Dr. N. V. Subba Reddy - Chairman (Pro Vice Chancellor, CMRU)
2. Dr. Suja Bennet - Internal Member (Dean Academics, CMRU)
3. Mr. Viivek Mashru - Special Invitee (Former Director, DCCC, CMRU)

Internal CMRU SOD Members:

1. Prof. Vibinkumar V G - Internal Member (Communication Design, CMRU SOD)
2. Prof. Babu D. - Internal Member (Fashion Design, CMRU SOD)
3. Prof. Pratik Bhandari - Internal Member (Product Design, CMRU SOD)
4. Prof. Dev P R - Internal Member (Interior Design, CMRU SOD)
5. Prof. Aleksandra Rotar - Member Secretary (Director, CMRU SOD)

Members absent:



1. Prof. Muralidhar Reddy - Internal Member (Director, CMRU SOA)
2. Mr. Glains Augustine - Industry Member (Director, AUSTTA Trading Pvt. Ltd., Bangalore)

AGENDA

1. CMRU SOD Report 2022-23 - Member Insights
2. BOS I Resolutions and Action Taken Report - Member Insights
3. Curriculum Development - 4 Programs:
 - 3.1. B. Des. Product Design - Scheme of Teaching (STE)
 - 3.2. B. Des. Fashion Design - Scheme of Teaching (STE)
 - 3.3. B. Des. Communication Design - Scheme of Teaching (STE)
 - 3.4. B. Des. Interior Design - Scheme of Teaching (STE)
4. List of Examiners and Faculty (External / Internal)
5. Proposed SOD Calendar of Events

PROCEEDINGS

- Welcome by the Member Secretary

Respected Members of the Board,

I am happy to share that CMRU School of Design has had a very successful first year, of which a 'Pre-BOS II Report' has been shared with you. The 'Action Taken Report' shared beforehand, speaks of specific steps taken in accordance with the suggestions and resolutions that have taken place at our First Meeting.



We thank you for your continuous support and kind words of encouragement you have shared with us, which has enabled this success so far.

We are delighted to announce the Board has expanded with New External and Internal Members, and look forward to your continuous support and guidance in shaping further CMRU School of Design as the progressive school of design fit to meet the standards of the present and the future of Design Education.

With this, let us commence the Second Meeting of the Board of Studies of CMRU School of Design.

- **Agenda presented by Member Secretary as follows:**

1. CMRU SOD Report 2022-23 - Member Insights

In addition to providing the report prior to the meeting, SOD Team and students hosted a tour for the Members of the SOD premises, and showcased students' projects completed in AY 2022-23, which were exhibited at SOD. Students had the opportunity for the first time to meet all BOS Members. Members of the Board expressed that the efforts and the outcomes displayed are commendable and of high standards.



Dr. Subba Reddy, Chairman, CMRU SOD BOS II, Pro Vice Chancellor CMRU, expressed that SOD has produced excellent results.



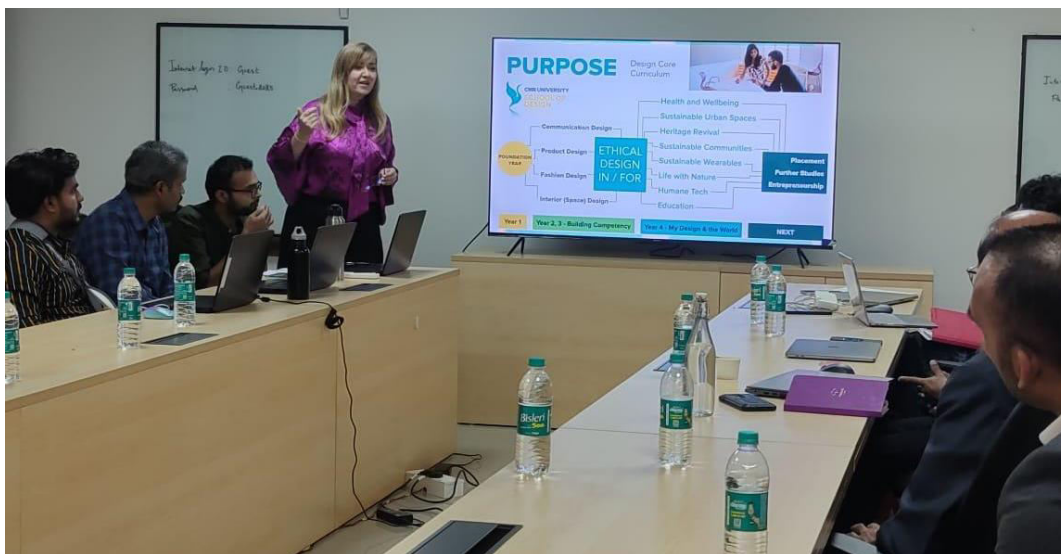


2. BOS I Resolutions and Action Taken Report - Member Insights

There were no comments on the Action Taken Report sent prior to the meeting.

3. Curriculum Development - 4 Programs

Prof. Aleksandra Rotar shared the overview of the 4 programs, and deliberated the logic behind defining Common Design Courses, Stream-specific Courses, Stream Focus Domains for each semester, Interdisciplinary Elective Courses, and integration of Common Core Curriculum Courses.



3.1. B. Des. Product Design - Scheme of Teaching (STE) AY 2023-24

Prof. Pratik Bhandari, Lead Faculty, Product Design, CMRU SOD, presented the 2023-24



STE of the B.Des. Product Design and described in greater detail the courses and modules planned.

3.2. B. Des. Fashion Design - Scheme of Teaching (STE) AY 2023-24

Prof. Babu D, Lead Faculty, Fashion Design, CMRU SOD, presented the 2023-24 STE of the B.Des. Fashion Design and described in greater detail the courses and modules planned.

3.3. B. Des. Communication Design - Scheme of Teaching (STE) AY 2023-24

Prof. Vibin Kumar V G, Lead Faculty, Communication Design, CMRU SOD, presented the 2023-24 STE of the B.Des. Communication Design and described in greater detail the courses and modules planned.

3.4. B. Des. Interior Design - Scheme of Teaching (STE) AY 2023-24

Prof. Dev P R, Lead Faculty, Interior Design, CMRU SOD, presented the 2023-24 STE of the B.Des. Interior Design and described in greater detail the courses and modules planned.

All Members of the BOS Meeting freely shared their insights and suggestions. This part of the Meeting was highly interactive and free flowing, full of excellent insights in current and future correlations of Design Education, Industry, Technology, Design Philosophy, Research, Entrepreneurship, and how the complexity and vastness of these intersections can be brought into the Design Curriculum, with the objective of optimization of B.Des. programs to the fast development and emerging trends in all of these domains. Resolutions in this regard are further listed below in this report.

4. List of Examiners and Faculty (External / Internal)

SOD presented the current list of the Internal and External Examiners, and Visiting Faculty for 2023-24:

Internal Faculty Members and Internal Examiners

1. Prof. Vibinkumar V G - Lead Faculty, Communication Design, CMRU SOD



2. Prof. Babu D. - Lead Faculty, Fashion Design, CMRU SOD
3. Prof. Pratik Bhandari - Lead Faculty, Product Design, CMRU SOD
4. Prof. Dev P R - Lead Faculty, Interior Design, CMRU SOD
5. Prof. Aleksandra Rotar - Director CMRU SOD

External Examiners (AY 2022-23)

1. Mr. Kurian Joseph - Director, JASKY EXPORTS PRIVATE LIMITED, BANGALORE
2. Mr. Glains Augustine - Director, AUSTTA Trading Pvt. Ltd., Bangalore
3. Mr. Sanju P - Founder Director, White Space Brand Consulting, Bangalore

Visiting Faculty and External Examiners (AY 2023-24)

1. Ms. Devika Thukral - Co Founder, Twig Design Studio, Bangalore (Visiting Faculty)
2. Mr. Nitin Krishnamurthy - Venture Builder, Growth Mentor @Various Startups

Prof. Aleksandra Rotar invited all External Members to participate as External Examiners, hold Masterclasses, consider collaborative projects, and extend opportunities for SOD students to intern in their respective establishments.

5. Proposed SOD Calendar of Events

SOD proposed a list of the following events in the year:

CMRU Design Thinking Day -

World Graphic Design Day - 27th April

National Textile Day - 3rd May

World Interior Day - 25th May

World Environment Day - 5th June

World Industrial Design Day - 29th June

International Fashion Day - 9th July

National Handloom Day - 7th August

Typography Day - 26th - 28th October

Mr. Sanju P suggested that a 'CMRU SOD DESIGN CARNIVAL' is established and held once a year, around the beginning of the admission season.



--- End of Agenda --

RESOLUTIONS AS PER AGENDA

3.0 Curriculum Development - 4 Programs

Resolution - BOS203R01:

History of Art and Design to be redefined as “History and Future of Art and Design”.

Resolution - BOS203R02:

AI tools to be integrated in the curriculum: An ‘AI Day’ will be introduced once a week for UG II batch for 1-2 hours where students and faculty will present their research on the AI tools available and share features which are useful in ideation and structuring of a specific topic.

Resolution - BOS203R03:

Discipline specific skill enhancement courses (AR, VR, AI) can be introduced as audit courses, which are:

- optional credit courses
- over and above the minimum credits in a semester
- courses that are not included in the computation of SGPA and CGPA

3.1. B. Des. Product Design - Scheme of Teaching (STE) AY 2023-24

Resolution - BOS203R04:



Product Design: Explore the production side of plastics: Students should be exposed to the production process such as injection molding, blow molding and vacuum forming via industry visit of a specific production facility.

3.2. B. Des. Fashion Design - Scheme of Teaching (STE) AY 2023-24

Resolution - BOS203R05:

Fashion Design: The two realities in the Fashion Design domain are Mass Production vs Sustainability. Both aspects and approaches in design need to be introduced to students, and specific exposure provided. Fashion Design Curriculum will therefore include this in the planning and syllabus for 3rd and 4th semester in the form of theoretical introductory sessions and practical sessions which will include industry and community visits and collaboration on mini and semester projects. This approach will extend in the entire program forward.

3.3. B. Des. Comm. Design - Scheme of Teaching (STE) AY 2023-24

Resolution - BOS203R06:

Communication Design: E-Sports and Gaming Industry should be a major focus: Interdisciplinary courses for 2024-25 can be established between CMRU SOD and CMRU SOSS which can collaborate on Game Asset Design, Game Play, and Interaction Design via their respective programs. This will be enabled with greater ease as the programs shift to the Lakeside Campus. Planning for such a collaborative set of courses between the two schools will commence during AY 2023-24, and will be led by Program Lead Faculties.

3.4. B. Des. Interior Design - Scheme of Teaching (STE) AY 2023-24

Resolution - BOS203R07:

Interior Design: services, climatology, behavioral science, materials, to be included in the syllabus.

Remarks:

1. BOS02Rem01:

Students and Faculty of SOD should start building a repository of artifacts and SOD should open a Museum of Design

2. BOS02Rem02:

'SOD Design Carnival' should be established and held towards the beginning of admissions period



--- End of Resolutions and Remarks --

Vote of thanks:

Dear Members,

With the evolution of Design Education in India, and as Mentors from both the landscapes of the creative industry and academia, it is our mandate to continually innovate the journeys of our students through it.

On behalf of CMR University and CMRU School of Design, we thank each and every one of You for your valuable insights and suggestions provided to us at the Second Meeting of the Board of Studies of CMRU School of Design.

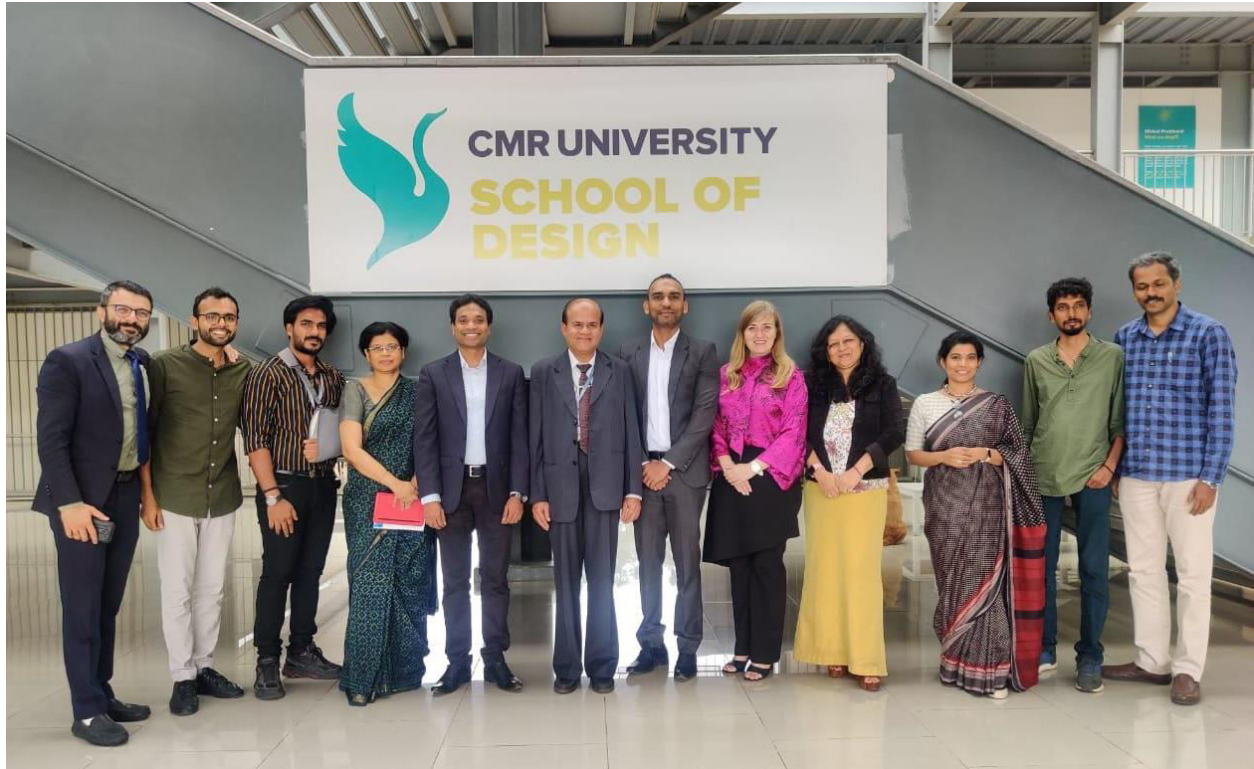
We look forward to many more constructive and fruitful conversations such as this one, and mutually beneficial collaborations and support in the immediate future.

With a promise to always deliver our best, we hope to live up to your expectations as much as our students’.



With gratitude,

*Aleksandra Rotar
Member Secretary, BOS CMRU SOD
Director, CMRU School of Design*





MINUTES OF THE BOARD OF STUDIES MEETING

AY 2023-24 : BOS - 07

SCHOOL OF SCIENCE STUDIES

Date : Saturday, 1st July 2023

Time : 09:00 a.m.

Venue : Moot Court, OMBR Campus, CMR University, Bangalore

Mode : Hybrid

Zoom Link : <https://us06web.zoom.us/j/87945904505>

Meeting ID: 879 4590 4505

Members present:

- | | | |
|--|---|-----------------------------------|
| 1. Dr. Subba Reddy N V
Pro VC, CMRU | - | University Representative. |
| 2. Dr. Suja Bennet
Dean – Academics, CMRU | - | Invitee |
| 3. Dr. Kandasamy
Professor, NITK, Surathkal, Mangalore | - | Member |
| 4. Mr. Mohan Kumar
Practice Head, Wipro Limited, Bangalore | - | Member |
| 5. Mr. Inder Gajendra
Manager, Global Labs, VMware Inc., Bangalore | - | Member |
| 6. Prof. Chandan Sirish
Asst Professor | - | Member |
| 7. Prof. Jaikishan S G
Asst Professor | - | Member |
| 8. Prof. Prathviraj
Senior Faculty | - | Member |
| 9. Prof Rahul Kumar Singh
Senior Faculty | - | Member |
| 10. Prof Nikhil Bejai
Senior Faculty | - | Member |
| 11. Mr. Salil Upadhyay
Senior Faculty | - | Member |
| 12. Prof. Sunrkeerthi
Senior Faculty | - | Member |
| 13. Prof. Manju Sadasivan
Assistant Professor | - | Member |
| 14. Dr. Sathish P
Associate Professor | - | Member |

15. Dr. Vasumathi M T Assistant Professor	-	Member
16. Prof. Radha Sridharan Assistant Professor	-	Member
17. Prof. Sukanya N S Assistant Professor	-	Member
18. Prof. Santhosh K C Assistant Professor	-	Member
19. Prof. Sunil Gandhi Assistant Professor	-	Member
20. Prof. Jayanthi M Program Coordinator	-	Member Secretary
21. Dr. Chitra Ravi Director	-	Chairperson

Proceedings

- **Welcome Address by Prof. Sukanya N S**

Prof Sukanya N S , Asst Prof , SOSS, CMR University extended a warm welcome to all the Members and Invitees.

Agenda 1 : Address by Pro Vice Chancellor

Dr. N V Subba Reddy, Pro VC, CMRU extended a warm welcome to all the Members and Invitees and introduced the new Members of the Board of Studies to the gathering. He requested the members of the BOS to give their valuable suggestions for improving the syllabus. The external board members and invitees were introduced.

Agenda 2 : Address by the Dean Academics

Dr. Suja Bennet, Dean Academics, CMRU introduced the alignment of CMRU Curriculum with a new NEP framework that would be implemented for Undergraduate programmes Batch 2023 from academic year 2023-2024. She focussed on the common core curriculum that includes ability enhancement, skill enhancement and community service courses that are included as credit or non credit courses(Graduate requirements).

She highlighted the importance of industry modules and industry facing courses for increasing the employability. She requested that the external BOS members including the alumni representative contribute in this regard.

Agenda 3: Welcome and Introductory remarks by the Chairperson

Dr. Chitra Ravi, Director, SOSS, CMRU, Chairperson extended a warm welcome to all the external and internal BOS members and read out the agenda.

She explained about the process of the curriculum design and development with inputs from the Curriculum advisory panel(CAP) members from the industry about the current trends, Faculty student Curriculum round table (FSC) and the involvement of the faculty of the school in preparing the STE .introduced the Curriculum Advisory Panel members to the gathering. The STE was created based on National Education Policy 2020 and presented for approval.

Agenda 4: To consider and approve the Scheme of Teaching and Evaluation(STE) of the programmes of AY 2023-24

4.1 BCA GENERAL

4.1.1 BCA General V and VI Semesters Batch 2021-2024

V Semester

Newly Introduced

8CSGC3091: Network Information Security

8CSGC3111: Network Information Security Lab

VI Semester

Newly Introduced

8CSDS3011:Big data analytics

8CSDS3021:Big data analytics Lab

4.1.2 BCA General III and IV Semesters Batch 2022-2025

III Semester :

Newly Introduced:

8CSPL1201 Python For Data Science

8CSPL1211 Python For Data Science Lab

IV Semester

Moved from 3rd to 4th sem:

8CSPL1051 Object Oriented Programming Using Java

8CSPL1071 Object Oriented Programming Using Java Lab

4.1.3 BCA General I and II Semesters Batch 2023-2026

The new programme structure is designed to include a maximum of 8 - 9 courses per semester including common core courses and non credit graduate requirement courses.

I Semester - New curriculum as per NEP

II Semester - New curriculum as per NEP

4.2 BCA DATA SCIENCE

4.2.1 BCA Data Science V and VI Semesters Batch 2021-24

V Semester

Newly Introduced

8CSGC2151 Optimization Techniques

8CSDS2051 Data Visualization Lab

8CSDS3061 Machine Learning
8CSDS3071 Web Analytics
8CSDS3081 Machine Learning Lab
8CSDS3091 Web Analytics Lab

VI Semester

Newly Introduced

8CSDS3011:Big Data Analytics
8CSDS3021:Big Data Analytics Lab
8CSGC3161:NOSQL database with MongoDB
8CSGC3171:NOSQL database with MongoDB Lab
8CSGC3091:Network Information Security
8CSGC3111:Network Information Security Lab
8CSAI3051 :Natural Language Processing
8CSAI3061 :Natural Language Processing Lab

4.2.2 BCA Data Science III and IV Semesters Batch 2022-25

III Semester : No Changes

IV Semester : No Changes

4.2.3 BCA Data Science I and II Semesters Batch 2023-26

I Semester - New curriculum as per NEP

II Semester - New curriculum as per NEP

4.3 BCA CLOUD COMPUTING

4.3.1 BCA Cloud Computing V and VI Semesters Batch 2021-24

V Semester

Newly Introduced

8CSGC3091: Network Information Security
8CSGC3111: Network Information Security Lab

VI Semester :

Newly Introduced

8CSCC3071:Cloud Security
8CSCC3101:Cloud Security Lab
8CSGC3161:NOSQL database with MongoDB
8CSGC3171 :NOSQL database with MongoDB Lab
8CSCC3081 :Open Stack
8CSCC3111 :OpenStack Lab

4.3.2 BCA Cloud Computing III and IV Semesters Batch 2022-25

III Semester : No Changes

IV Semester : No Changes

4.3.3 BCA Cloud Computing I and II Semesters Batch 2023-26

I Semester - New curriculum as per NEP

II Semester - New curriculum as per NEP

4.4 BCA GAME DEVELOPMENT

4.4.1 BCA Game Development V and VI Semesters Batch 2021-24

V Semester : No Changes (New Curriculum)

VI Semester : No Changes (New Curriculum)

4.4.2 BCA Game Development III and IV Semesters Batch 2022-25

III Semester :

Newly Introduced:

8CSGA2381:HTML Games Development

8CSGA2421:First Person Game Development(Elective)

8CSGA2431: RPG Game Development(Elective)

Removed : 4:

8CSGA1121: Technical Art-I

8CSGA2141: Game Development-III

8CSGA3161: Virtual Reality Game/Application(Elective)

8CSGA3171: Augmented Reality Game/Application(Elective)

Moved to semester : NA

Modified :

8CSGA2391:Game Design-II (Modules changed above 20%)

8CSGA1401: DCN (Modules changed above 20%)

8CSGA2411: DBMS Changed it from 3 to 4 Credits (Below 20%)

IV Semester :

Newly Introduced:

8CSGA1451: Programming Concept Using Construct

8CSGA1471: Game Development Project-I

8CSGA2481:Game Development-IV

Removed : 3

8CSGA1181:Basic of Web Programming

8CSGA2211:Technical Art-II

8CSGA2221:Project-3D Game Development

Moved to semester :

8CSGA1191: Integrating Online Services

8CSGA2201: Game Design -II

Modified :

8CSGA2441:Augmented Reality Game/Application

8CSGA2461: Multiplayer Programming(Subject Name Changed)

4.4.3 BCA Game Development I and II Semesters Batch 2022-25

I Semester :

Moved :

Software Engineering from II Semester

Removed:

Human Computer Interaction

II Semester:

Newly Introduced

1. Basics of Web Programming
2. Elective- Casual Mobile Game Development
3. Elective-Infinite Runner 2d Game Development

Removed

Software Engineering

4.5 MCA

4.5.1 MCA III and IV Semesters Batch 2022-24

III Semester

Modified:

8RESE6012 Research Methodology and IPR (Title change and topics are added in 5th Module)

8CSGC2411 Full Stack Development

8CSGC2421 Full Stack Development Lab

IV Semester : No change

4.5.2 MCA I and II Semesters Batch 2023-25

I Semester - New curriculum as per NEP

II Semester - New curriculum as per NEP

4.6 BSC SOUND ENGINEERING

4.6.1 BSc Sound Engineering V and VI Semesters Batch 2021-24

V Semester : No Changes (New Curriculum)

VI Semester : No Changes (New Curriculum)

4.6.2 BSc Sound Engineering III and IV Semesters Batch -----

III Semester :

Newly Introduced :

8MEST1121 : Society and Culture

8MEST1131 : Media & Psychology

8SOEN3311 : (Elective 1) Performance using Push 2 Project

8SOEN3321 : (Elective 1) Remix Project

Removed :

8MEST1061 : Media Management

8MEST1071 : Advertising

8SOEN1061 : Music Theory

8SOEN3091 : (Elective 1) Composing 1 min track for advertisement.

8SOEN3101 : (Elective 1) Radio Show on ableton using MIDI

8SOEN3111 : (Elective 1) Performance on Ableton of min 3 minutes using ableton.

Moved to Semester :

8SOEN2301 : Music Recording and Mixing Techniques (From Sem II to III)

Modified (Below 20%):

8SOEN2072 : Electronic Music Production

8SOEN2291 : Digital Audio Workstation II

8SOEN2301 : Music Recording and Mixing Techniques

IV Semester :

Newly Introduced

8SOEN3341 : (Elective 2) Sound Design & Scoring for a Game Sequence Project

8SOEN3161 : (Elective 2) Multitrack Mixing in Logic Pro X

Removed :

8SOEN3171 : Binaural mixing in Logic Pro X

Modified (Below 20%):

8SOEN2341 : Game Audio

8SOEN3351 : Live Sound

8SOEN2361 : Digital Audio Workstation III

8SOEN3371 / 8SOEN3161 : Elective 2

4.6.3 BSc Sound Engineering I and II Semesters Batch 2023

I Semester : New Curriculum

II Semester : New Curriculum

4.7 BSc PHOTOGRAPHY

4.7.1 BSc Photography Semester V and VI Batch 2021-24

V Semester : No Changes (New Curriculum)

VI Semester : No Changes (New Curriculum)

4.8 BSc VISUAL EFFECTS AND ANIMATION

4.8.1 BSc Visual Effects & Animation V and VI Semesters Batch 2021-24

V Semester : No Changes (New Curriculum)

VI Semester : No Changes (New Curriculum)

4.8.2 BSc Visual Effects & Animation III and IV Semesters Batch 2022-25

III Semester

Modifications :(Below 20%)

8AAGS2092:Texturing & Shading

Newly Introduced:

8AAGS2161:Advanced 3D

8VEAA2271:Lighting & Rendering

8AAGS1171:Basic Rigging & Animation

Removed :

8VEAA2041:Camera tracking & Match move

Movement:

8AAGS2101:2D Animation moved to IInd Semester

IV Semester

Modifications :(Above 20%)

8VEAA3301:Advanced Compositing I

Newly Introduced:

8VEAA3281:Advance Rigging & Animation

8VEAA2291:FX I

8AAGS3181:Sculpting

8VEAA1311:Game Engine I (Environment Design)

Removed :

8AAGS2111:Lighting and Rendering

8AAGS2121:Rigging

8AAGS2131:3D Animation

8VEAA2071:Game Engine Advance for Animation and VFX (Unity)

Movement:NA

4.8.3 BSc Visual Effects & Animation I and II Semesters Batch 2023-26

I Semester : Newly Introduced

II Semester : Newly Introduced

4.9 BSc GAME ART AND DESIGN

4.9.1 BSc Game Art & Design V and VI Semesters Batch 2021-24

V Semester : No Changes (New Curriculum)

VI Semester : No Changes (New Curriculum)

4.9.2 BSc Game Art & Design III and IV Semesters Batch 2022-25

III Semester :

Newly Introduced:

8AAGS2161:Advanced 3D

8AAGS1171:Basic Rigging and Animation)

8GAAD2241: Lighting and rendering in the engine

8GAAD3251: Game design – III (Player psychology and UX)

Removed :

8AAGS2081:Character Modelling

8GAAD2031: Mathematics

8GAAD2041: Game design -II (UI / UX Documentation)

Moved to II semester :8AAGS2101: 2D Animation

Modified : 8GAAD2261- Project: Modeling (Modules changed below 20%) credit changes from 2 to 3

IV Semester :

Newly Introduced:

8AAGS3181: Sculpting
8GAAD3271: Advance Rigging and animation for games
8GAAD2281: Game design –IV (QA and Game Testing)
8GAAD3291: Game Engine I (Environment Design)

Removed :

8AAGS2121: Rigging
8AAGS2131: 3D Animation
8GAAD3061: Game design -III (Game Analysis and testing)
8GAAD2071: Game Engine & Prototyping

Moved to semester : NA

Modified : NA

4.10 BSC FILM MAKING

4.10.1 B.Sc., Filmmaking V and VI Semesters Batch 2021-24

V Semester : No Changes (New Curriculum)

VI Semester : No Changes (New Curriculum)

4.10.2 B.Sc., Filmmaking III and IV Semesters Batch 2022-25

III Semester :

Newly Introduced: 4

8MEST1121: Society & Culture
8MEST1131: Media & Psychology
8FIMA2251- Practical Filmmaking- II
8FIMA2261- Post Production Techniques- I

Removed : 4:

8MEST1061: Media Management

8MEST1071: Advertising
8FIMA2081-Script Writing for Moving Images
8FIMA2071 Camera & Lighting Techniques

Moved to semester : NA

Modified : 8FIMA1241- Direction & Dramatics- I Changed it from 3 to 4 Credits (Below 20%)

IV Semester :

Newly Introduced: 3

8MEST1141: Media Marketing & Management
8MEST1151- Media Law & Ethics
8FIMA2281- Advanced Screenwriting

Removed: 3

8MEST1081: Career Development
8FIMA2111: Post Production- II
8FIMA3131: Film Studies- II

Moved to semester : NA

Modified : 8FIMA2291- Sound Design for Cinema (Name Change) and Credits Changed from 3 to 4

Resolution - BOS07R01: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) and modifications for the BCA (G), BCA(Data Science), BCA(Cloud Computing), BCA(Game Development), BSc(Photography), BSc(Visual Effects), BSc(Game Art and Design), BSc(Film Making), BSc(Sound Engineering) for the (AY 2023-24) new syllabus as per NEP for the Batches 2021-24(V and VI sem) , 2022-25(III and IV Sem),2023-26(I and II Sem) after due consideration of the feedback and suggestions of the board.

Agenda 5: To consider and approve the Assessment and Evaluation for AY 2023-24

The Assessment and Evaluation pattern was presented to the BOS.- [Link](#)

The Assessment components were submitted to the Members for approval and no changes were made.

The break up followed for the Internal component and external exam component is 50% each.

Resolution – BOS07R02: The Board approved the proposed assessment and evaluation.

Agenda 6: To consider and approve the question paper pattern for AY 2023-24 - [Link](#)

Agenda 7: To consider and approve the Panel of Examiners for AY 2023-24

The panel of examiners consisting of both internal and external examiners was presented to the BOS.

Resolution – BOS07R03: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

Agenda 8: To consider and approve the Academic Calendar of Events (AY 2023-24)

The Academic Calendar of Events (AY 2023-24) was presented to the BOS.

Resolution – BOS07R04: The Board approved the Academic Calendar of Events.

Agenda 8: To consider and approve the Co/ Extra – Curricular activities Calendar of Events (AY 2023-24)

The Co Curricular and Extracurricular Activities Calendar of Events (AY 2023-24) were presented to the BOS.

The COE is a consolidation of all the events of the Schools that includes Examination, Co Curricular, Placements activities etc.

Resolution – BOS07R05: The Board approved the Calendar of Events for AY 23-24.

Agenda 8: To consider and approve the Amendments in Programme Regulations- UG and PG

Research Publication is made mandatory for PG students as a 1 credit course and published in a UGC care list/ Scopus/SCI indexed/WoS.

Resolution – BOS07R06: The Board approved the Amendments in the programme regulations from AY 2023-24 as per NEP framework.

Agenda 9: Any other matters with the permission of the Chair

BOS07Rem01 : Minimum 12% of the courses to be implemented as Online / industry facing modules from Batch 2023-26.

Resolution – BOS07R07: The Board appreciated and agreed for the proposal in regard to conduct of Online courses and industry facing module courses

BOS07Rem02 : Introduction of Coding club, Cloud Computing Club, Artificial Intelligence Club and IoT club.

Resolution – BOS07R08 : The Board approved the conduct of activities through the clubs and also suggested that these club activities can help in conducting codeathon/hackathon.

Passing of the Resolutions

Resolution - BOS07R01 : The action taken report of the Sixth Board of Studies was accepted and confirmed by the Members of the BOS.

Resolution - BOS07R02: The members of the Board accepted and approved the proposed Scheme of Teaching and Evaluation (STE) and modifications for the BCA (G), BCA(Data Science), BCA(Cloud Computing), BCA(Game Development), BSc(Photography), BSc(Visual Effects), BSc(Game Art and Design), BSc(Film Making), BSc(Sound Engineering) for the (AY 2023-24) for the Batches 2021-24(V and VI sem) , 2021-25(III and IV Sem),2023-26(I and II Sem) after due consideration of the feedback and suggestions of the board.

Resolution – BOS07R03: The Board approved the proposed assessment and evaluation

Resolution – BOS07R04: The Board approved the same and approved the school to follow the same pattern.

Resolution – BOS07R05: The Board approved the suggested panel of examiners with the ratio of 50% internal examiners and 50% external examiners.

Resolution – BOS07R06: The Board approved the Academic Calendar of Events.

Resolution – BOS07R07: The Board approved the Calendar of Events for AY 23-24.

Resolution – BOS07R08: The Board approved the Amendments in the programme regulations from AY 2023-24.

Resolution – BOS07R09: The Board appreciated and agreed for the proposal in regard to conduct of online courses and industry facing module courses

Vote of Thanks:

The meeting concluded with a Vote of Thanks by **Prof. Jayanthi M**, Member Secretary and Programme Coordinator, SOSS to all the esteemed External BOS members for their valuable suggestions and comments. She also thanked Dr.Suja Bennet, Dean Academics for being a constant pillar of support in all the academic activities of the school and all faculty members of the School of Science Studies who have relentlessly worked supporting each other and for the valuable contributions made by them in making the curriculum more robust and updated with current trends and Technology.

Member Secretary

10th BOS

CMR UNIVERSITY
School of Engineering and Technology
10th BOS Meeting - Meeting Minutes

Department of CSE/IT/AI/ML/DS/M.Tech (CSE&AI)

Venue	CMR University Lakeside Campus, Chagalatti, Bengaluru 562149	Date & Day	Friday, 16th June, 2023
		Time	11:00 am -13:00 pm

Members present:

- | | |
|---------------------------------|-------------------|
| 1. Dr. K. Rajanikanth | - External Member |
| 2. Dr. Sujith Kumar Chakraborti | - External Member |
| 3. Dr. Ramasuri Narayanam | - External Member |
| 4. Dr. P.Rubini | - Internal Member |
| 5. Dr. S.Saravana Kumar | - Internal Member |
| 6. Dr. Parameswaran T | - Internal Member |
| 7. Dr. Kalyan N | - Internal Member |

The STE for

1. B. Tech (Computer Science and Engineering) - AY: 2023-24
2. B. Tech (IT – Program structure) - AY: 2023-24
3. B. Tech (CSE-AI & ML – Program structure) - AY: 2023-24
4. B.Tech (CSE-DS – Program structure) - AY: 2023-24
5. M.Tech (CSE) - Part time - AY: 2023-24
6. M.Tech (AI & DS) - Part time - AY: 2023-24



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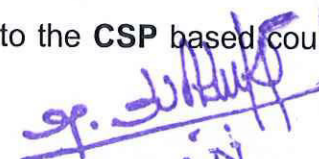
The meeting Started with Dr. V. R. Manjunath, Dean- SOET introducing the panel members and emphasizing the plan for the BOS Meeting and gave brief introduction about the proposed changes in the courses from the UG: B.Tech program and introduction of Part time PG: M.Tech program for the industry personnel and working professionals. Dean, SOET also emphasized on the inclusion of credit allotment for the CSP Courses aligning with the NEP Policy of the central government. Dean, SOET

Agenda 1: The meeting Started with Dr. Rubini P welcoming the panel members and emphasizing the plan for the BOS Meeting which contained:

1. Inclusions & Changes implemented from the Curriculum advisory panel meeting for AY - 2023-24 - M.Tech & B.Tech
2. Pre-BOS Changes implemented from the CAP and FSCRT in the Curriculum framework for the AY-2023-24 - B.Tech
3. STE for M.Tech - CSE, AI & DS (Part-time) Courses Introduction.

Recommendation:

1. As panel member suggested the courses like **Quantum technology and quantum computing** as elective courses have been included.
2. The course "Microsoft Office" is renamed to "**Office automation**" from the suggestion by the BOS Panel Members
3. As per the suggestion by the panel members and FSCRT meeting the DMS is renamed to "**DMS & Applications**" and revised to include application aspect of computer science.
4. Panel Members accepted the inclusion fo **Problem Solving using C Programming** as the introductory fundamental course for the B.Tech - AI/MI & DS Program.
5. Introduction of Online **MOOC Courses** from 1st to 6th semester which contains 3 credit each and in 7th semester 2 credit courses with 3 credit for each incorporated into the STE. The evaluation criteria and methodology for MOOC Courses was discussed and accepted by the BOS members.
6. The consideration of flexible **entry and exit options** of the student from the program was also discussed and taken into consideration.
7. BOS Members accepted the 4 credits allotment to the **CSP** based courses in the B.Tech Program.


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Agenda 2: Presented M.Tech - CSE, AI & Data Science (DS) program structure for the 2023 Batch in the part-time mode for 3 years, covering 75 credits.

Recommendation:


1. The flexibility of internship for the M.Tech students as mandatory requirement, allowing M.Tech students to complete the said requirement by utilizing the research labs.
2. Panel member suggested inclusion of the “**Generative AI**” course for advanced learning in **NLM - Natural Language Models**.
3. As per the panel suggestion Genetic algorithm course is taken into consideration for renaming as “**Evolutionary algorithms**” and also **chatbot** course is also revised to “**Generative AI**”
4. Panel member Dr. Sunil requested for inclusion of “**AI in Life Sciences**” as a course in the M.Tech program.

Agenda 3: Presented syllabus for B.Tech Academic Year - 2023-24 for the branches CSE, IT, AI & ML, and DS

Recommendation:

1. Panel members accepted the Proposed reduction of overall credits from **170 credits to 160 credits**. 10 credits will be distributed for graduate requirement courses which include self-development, community service & skill enhancement courses for students
2. Panel members accepted the changes which involved introducing elective course options for the higher semester students like General electives, electives from specialization, and interdisciplinary elective buckets.
3. Panel members also accepted the inclusion of the **MOOC Courses** in the B.Tech Program.
4. BOS members accepted the present curriculum structure and syllabus.
5. Feedback from the panel members for the first-year curriculum was good and accepted by the BOS Members

Agenda 4: Presented B.Tech: AI/ML and DS Program syllabus for 2023 Batch for approval.


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Recommendation:

1. Panel member **Dr. RajaniKanth** suggested the changes to the Machine learning course and javascript course which is as follows:
 - a. Panel members suggested the inclusion of a broader perspective in creating assessment and evaluation parameters for the project based learning course like ML.
 - b. Panel members suggested the change in approach in offering the javascript course. Also suggested the alternative such as version control with git.
2. Panel member **Dr. Ramasuri Narayanam** suggested inclusion of latest technology courses for the B.Tech: AI & DS Programs.
 - a. Panel members suggested making the dedicated credit based courses which gives the introduction to available latest technologies in AI and DS
 - b. BOS members accepted the present curriculum structure and syllabus.

Agenda 5: Presented 5th to 8th sem syllabus for 2023 Batch CSE, for approval.

Recommendation:

1. Panel Members suggested the inclusion of more courses in the professional elective courses buckets like "Data Modeling" and "Data Visualization" for the DS Course.
2. Panel Members also suggested the inclusion of the "**Data lakes & Latest technologies**" Course in the professional elective bucket.
3. The panel member Dr. sunil requested to implement the combination of Design Thinking with specialization on project based learning with products as outcome in engineering.
4. BOS members accepted the present curriculum structure and syllabus.

The BOS members also suggested the following:

- The Inclusion of Data lakes and courses related to latest technologies in the **Big Data Analytics**
- The Panel suggested the structured planning and implementation of the assessment criteria in project based learning courses.

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- The panel member Dr. Sujith Kumar Chakraborti suggested inclusion of the entrepreneurship and innovation course
- The panel member Dr. Ramasuri Narayanam suggested including dedicated course such as "Foundations of Latest technologies" as credit based course.
- The panel member Dr. sunil requested to implement the combination of Design Thinking with specialization on project based learning with products as outcome in engineering.
- The members also suggested the inclusion of courses such as "Ethical AI", "AI In Life Science", MERN Stack for Full stack Web Development.

AGENDA NO.	RECOMMENDATIONS	ACTION TAKEN
1	M.Tech (AI & CSE) – The board suggested introducing "Evolutionary Algorithms" and streamlining the "ChatBot" Course.	As per the panel suggestion Genetic algorithm course is taken into consideration for renaming as " Evolutionary algorithms " and also chatbot course is also revised and considered to streamline as " Generative AI "
2	B. Tech (AI/ML & DS) - 1. The members suggested the revision of the course such as "Chatbot" 2. Panel members accepted the suggestion to remove M3 and revise DMS to DMS and Applications to include statistics and probability concepts for DS program 3. BOS Members suggested inclusion of practical approach in teaching DS with inclusion of Datasets and analysis tools available for DS.	As per the Suggestions "Chatbot" course is taken into consideration for revision as "Generative AI" Panel member accepted the changes to DMS Course. BOS Members accepted the 4 credits allotment to the CSP based courses in the B.Tech Program. As per the panel suggestion the PBL Based approach is considered for the DL and ML courses in the program.
3	B.Tech(CSE) - 2023 Batch 3 rd and 4 th sem STE Panel members suggested the inclusion of 1. Version control with Git 2. Julia, Scala and C. etc programming languages. 3. Panel members also suggested including the programming paradigm as basic principle 4. Javascript Course revision	As per the FSCRT Meeting and students request the Javascript course is kept in the STE. However, Version control with Git is considered to be introduced in the future STE.

4	<p>B.Tech(CSE) - 2023 and 2024 batch syllabus</p> <ol style="list-style-type: none"> 1. 5th, 6th, 7th and 8th semester STE was approved by the board. 2. Panel members accepted the inclusion of MOOC Courses in the STE 	<p>Panel Members accepted the inclusion fo Problem Solving using C Programming.</p> <p>No other changes were suggested.</p>
5	<p>M.Tech(AI) & M.Tech (CSE) syllabus</p> <p>i) Addition of "Ethical AI" and "AI in Life Science" Courses</p>	<p>As per panel suggestion the courses are included in the STE</p>

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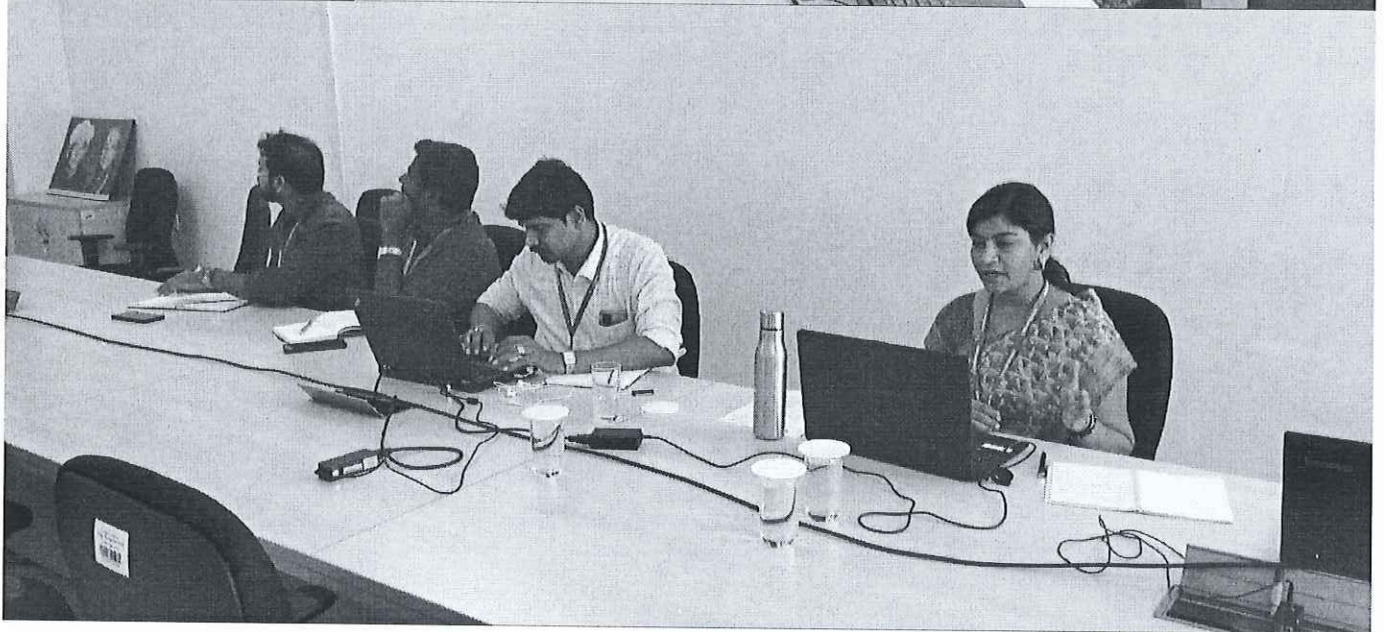
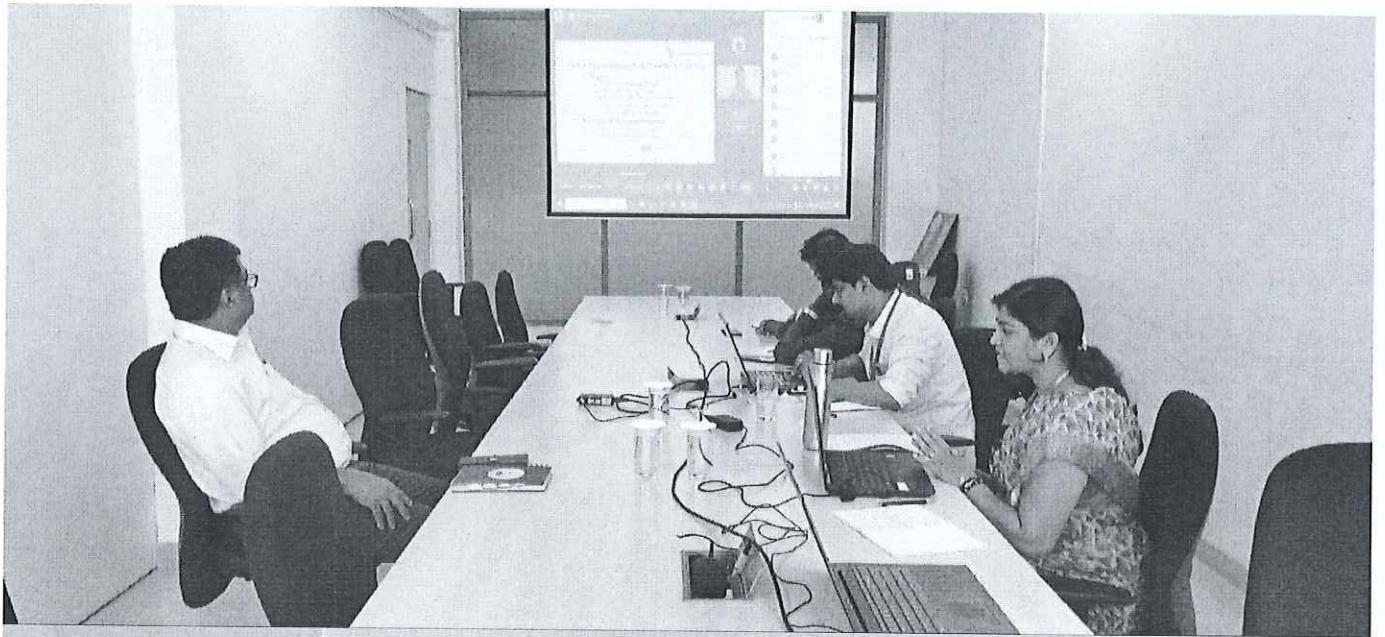
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School of Engineering and Technology
Electronics and Communication Engineering
10th Board of Studies - Minutes of Meeting

Minutes of Tenth Board of Studies Meeting held on 16th June 2023.

Google meet link:

<https://meet.google.com/wek-bkwy-sir>

Dept. Google meet link:

<https://meet.google.com/opn-sijo-zpr?hs=224>

The following members were present

Dr. V R Manjunath, Dean SOET, CMR University, Bengaluru

Dr. Saravana Kumar, Professor & Head, IT, SOET, CMR University, Bengaluru and Member Secretary, BoS

Dr. M. H. Kori, Former Technical Director, Alcatel-Lucent Technologies, Chairman IMAPS India, Member, IETE Governing Council (former) & Chairman, IETE, Bengaluru Centre

Dr. Sanjeev Kubakaddi (Former Professor), Founder & Director, Orchid Techscape, Bengaluru

Dr. Muralishankar R, Professor, ECE, SOET, CMR University, Bengaluru.

Dr. Satheesha T Y Associate Professor and Head, ECE, SOET, CMR University, Bengaluru.


Prof. Akshatha Bhat, Assistant Professor, ECE, SOET, CMR University, Bengaluru.

The BoS members were welcomed by Dr. V R Manjunath, Dean SOET, CMR University, Bengaluru

The session started by **Dr. Satheesha T Y** by briefing scheme and structure of syllabus for new academic year 2023-24.

Members presented in the meeting:

SL.NO	NAME OF THE FACULTY	DESIGNATION
1	Dr. Muralishankar R	Professor
2	Dr. Satheesha T. Y.	Associate Professor and i/c Head
3	Dr. Abhishek Kumar	Associate Professor
4	Dr. K Ezhilarasan	Assistant Professor
5	Dr. Vishvas Kumar	Assistant Professor
6	Dr. Prachi Guptha	Assistant Professor
7	Mrs.Hamsalekha	Assistant Professor


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8	Mr. Hitesh Panda	Assistant Professor
9	Mrs Akshatha Bhat	Assistant Professor
10	Mrs. Debadrita Banerjee	Assistant Professor
11	Mr. Roopesh R	Assistant Professor

Members absent in the meeting:

SL.NO	NAME OF THE FACULTY	DESIGNATION
1	Dr. Chitturi Venkatratnam	Professor
2	Mrs. Elakkiya P	Assistant Professor

The following points were discussed and approved by panel members of BoS for *Electronics and Communication Engineering and Electronics and Computer Engineering*.

1. Actions taken on the suggestions given in 9th BoS meeting.

2. As per National Education Policy (NEP),

a. As per CAP members Suggestions: 1st Year 2023 Batch:

- Based on the committee suggestion, modifications in the syllabus is updated.
- Elements of Electronics Engineering (4ENCE1011)

b. 3rd Semester 2022 Batch:

Based on the committee suggestion, new courses are introduced.

- Problem solving and programming using C & (4CSPL1111)- New Course is introduced.
- Engineering Mathematics III 4MATH2011 (3-1-0-4), credit is changed to (3-0-0-3).

c. 4th Semester 2022 Batch:

Based on the committee suggestion

- Credit is changed for **Engineering Mathematics IV** 4MATH2021 (3-1-0-4) to (3-0-0-3).
- Credits remains the same and lab is included for **Principles of Communication** 4ENCC2011

d. Changes & Modification: 5th Semester 2021 Batch:

- Shifted from 6th semester to 5th semester elective & course code have been changed & changed based on the committee suggestion.
- Satellite Communication (4ENCC1061) - Satellite Communication (4BEC625)

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e. 6th Semester 2021 Batch:

- i. Shifted these subjects from 7th semester to 6th semester & course code have been changed & changed based on the committee suggestion.
- ii. Computer Communication Networks(4ENCC1071) - Computer Communication Networks(4BEC702)
- iii. Advanced Digital Communication(4ENCC2021)- Advanced Digital Communication(4BEC735)
- iv. Micro Electrical mechanical System(MEMS) (MOOC) (4ENCE1231)- Micro Electrical Mechanical System(MEMS) (MOOC) (4BEC622)

f. Course code and course name have been changed for few ECE courses as per NEP

- i. Problem solving and programming using C & (4CSPL1111)- New Course introduced
- ii. Digital Signal Processing (4ENCC1011) –Digital Signal Processing (4BEC503)
- iii. Embedded system and ARM processor (4ENCE2031) - Embedded Systems (4BEC603)
- iv. Power Electronics and Control (4ENEE1071) - Power Electronics (4BEC504) & Control System (4BEC505).

g. Modifications have been done in the syllabus for the following ECE subjects :Elements of Electronics Engineering (4ENCE1011)-2nd Semester

- i. Module-1A will become Module 3A.
- ii. Module-02 shifted from Making with Electronics course to Module 2 Introduction to Sensors & Renewable energy sources
- iii. Module 2B will become Module 3B.
- iv. Module-03 will become Module 4.
- v. Module-04 will become Module 1.

h. Power Electronics & Control (4ENEE1071)-5th Semester

- i. Based on the New BOS policies, course title & course code have been changed to Power Electronics and Control & 4ENEE1071
- ii. Modules–All module contents have also been modified and updated

i. A.Y 2023- 24 (Batch 23)

- i. MWE moved from Common Core to Program Core group.
- ii. Framework
- iii. As per 10TH BoS policy, 1st semester and 2nd semester credits are increased by one as Community Service program (CSP) courses are added.

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3. Major modifications made in terms of total credits for the 2023-27 batch which has been reduced from 170 to 160.

- i. The changes incorporated for DCCC, GR, Non-GR, CSP courses was highlighted to the members. He also presented the introduction of minimum 1 online course right from 1st to 7th semester to satisfy the NEP 2020 guidelines as suggested by the Hon'ble VC Sir during the Pre-BOS meeting.
- ii. He also presented that the Scheme of Evaluation of the Online courses will be in accordance with the same scheme followed for offline courses (i.e., CIE- 50 marks, SEE – 50 marks) as suggested by Dean Academics.

4. Accelerated credit course (ACC) 2023-24

- i. SOET is offering 2 ACC courses. From ECE, we are offering Sensors & IoT and from CSE its Mobile Development. ACC courses are opened to all the other schools of the University and will be conducted in ONLINE mode. Each course is of one credit. SOET offers 2 credits courses for the upcoming batch 2023.
- ii. ACC – ECE objectives were explained and how it will be benefiting the students in their journey of B.Tech.
- iii. Sensors & IoT will be collaborated with the Design Thinking course. It is of 15hrs course and each day of 1 hour session will be occupied. First half an hour is explaining a theoretical concept and the next half by demonstrating the related model.

5. For A.Y 2022-23 onwards

- a. Introducing the MOOC & Online courses
- b. Course inclusion and exclusion of courses
- c. Online Course valuation Procedure

6. Dr. MuralishankarR, professor ECE, SoET

- a. briefed the Accelerated credit course on Sensors & IoT and Dr, Sanjeev suggested to have portable ECG instead of PCG.
- b. Briefed about Making with Electronics as it is project-based course so that a gist of Arduino Language taught to CSE and its sub branches.

7. Dr. Sanjeev Kubakaddi, founder & director Orchid Techscape, Bengaluru

- a. mentioned the importance of having Filed Theory/Module 1 in any subject so that it benefits the students interested in Communication field and our HoD told that it will be included in Transmission & antenna subject so that students can visualize it.

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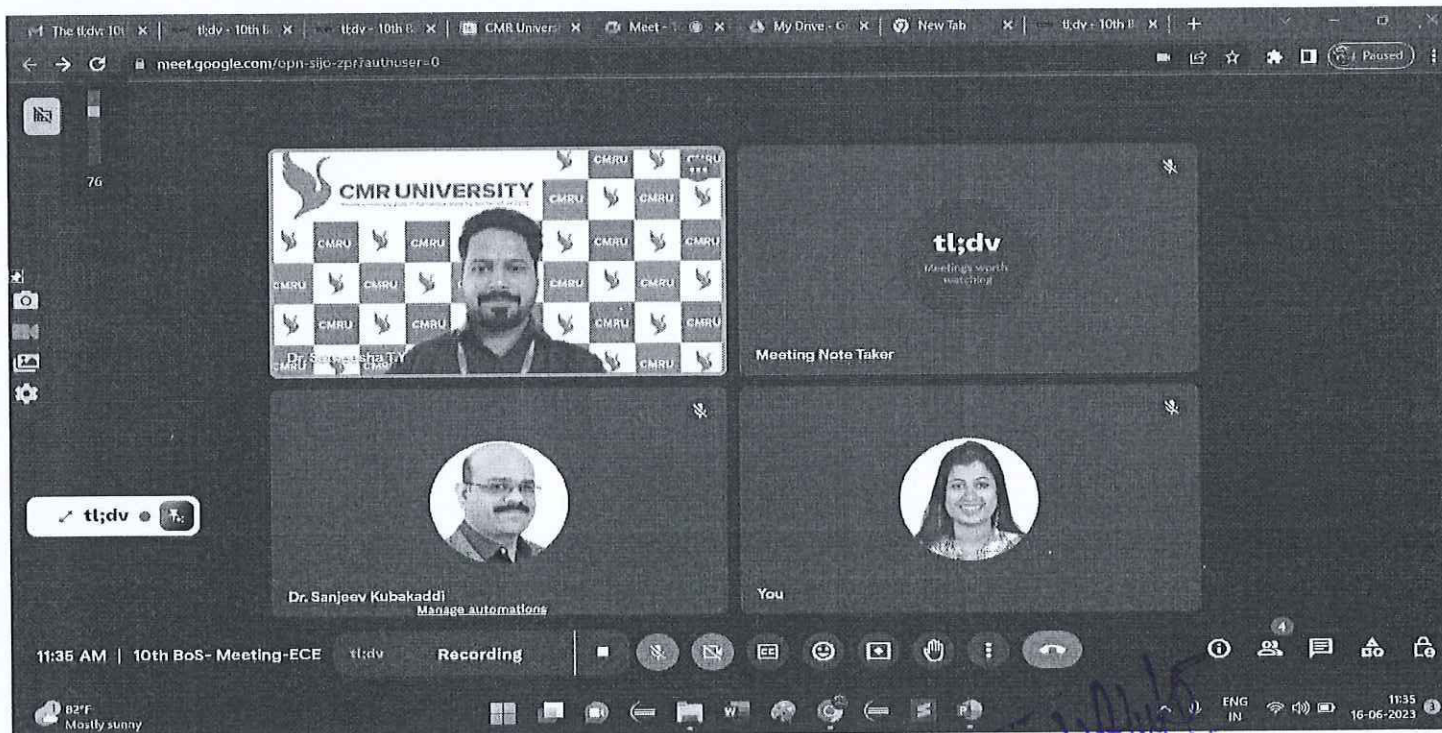


- b. He also mentioned the importance of having the knowledge of learning one programming language thoroughly instead learning 2 to 3 programming language because logical thinking plays a important role. Dr. Muralishankar justified that our students are studying level 1, 2 & 3 of Python language in first 2 years.
- c. He asked all the ECE faculty to sit along with Mathematics faculty in order to set the topics related to Network Analysis & Digital Signal Processing with topics like convolution, Differential Equation etc. so that faculty time can be reduced while teaching the core subjects.
- d. He appreciated the innovative course considered in the program as "Design Thinking Course"
- e. He pointed that there has to be categories for electives and HoD mentioned about the same as Embedded, VLSI, communication and Software development.

Panel Suggestion:

The meeting is concluded with vote of thanks to the panel members by Prof. Muralishankar R. and phase response and slight modifications in order of the contents.

Screenshots of the meeting:



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Dr. Satheesha T.Y. is presenting

00:40 11:35 AM

BoS Chair person - Dr.V.R.Manjunath, Dean, SoET

External members for the BoS

Dr. Sanjeev Kubakaddi (Former Professor)	Founder & Director, Cyber Park, 6th Floor, Electronic City, Bengaluru, Karnataka 560100
Dr. M.H. Kori	Former Technical Director Alcatel-Lucent Technologies, Amruthnagar, Byalayalanpura, Bengaluru, Karnataka 560092

Internal members for the BoS

S.NO	NAME OF THE FACULTY	DESIGNATION
1	Dr. Manishankar H	Professor
2	Dr. Satheesha T.Y.	Associate Professor and in-charge
3	Mrs. Akshitha Bhat	Assistant Professor

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Meeting Note Taker

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Dr. Satheesha T.Y. is presenting

CPSE1011: MAKING WITH ELECTRONICS

A. Course Framework

Credits: 1-0-2-3	Syllabus Version: 1
Contact Hours / Week: 5	Total Contact Hours: 75
Prerequisites: (If applicable)	Level: 100

Course Learning Objectives:

This course enables the students to:

- CL.O1: Understand and apply the concepts of Electrical Electronic Engineering.
- CL.O2: Interface the peripheral devices using Arduino and Raspberry Pi to carry out real-time applications.
- CL.O3: Analyze and build real world applications using Arduino / Raspberry Pi

Course Outcomes:

On successful completion of the course, students will be able to:

- CO1: Demonstrate the interfacing of basic input and output devices using Arduino.

Meeting Note Taker

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Recording

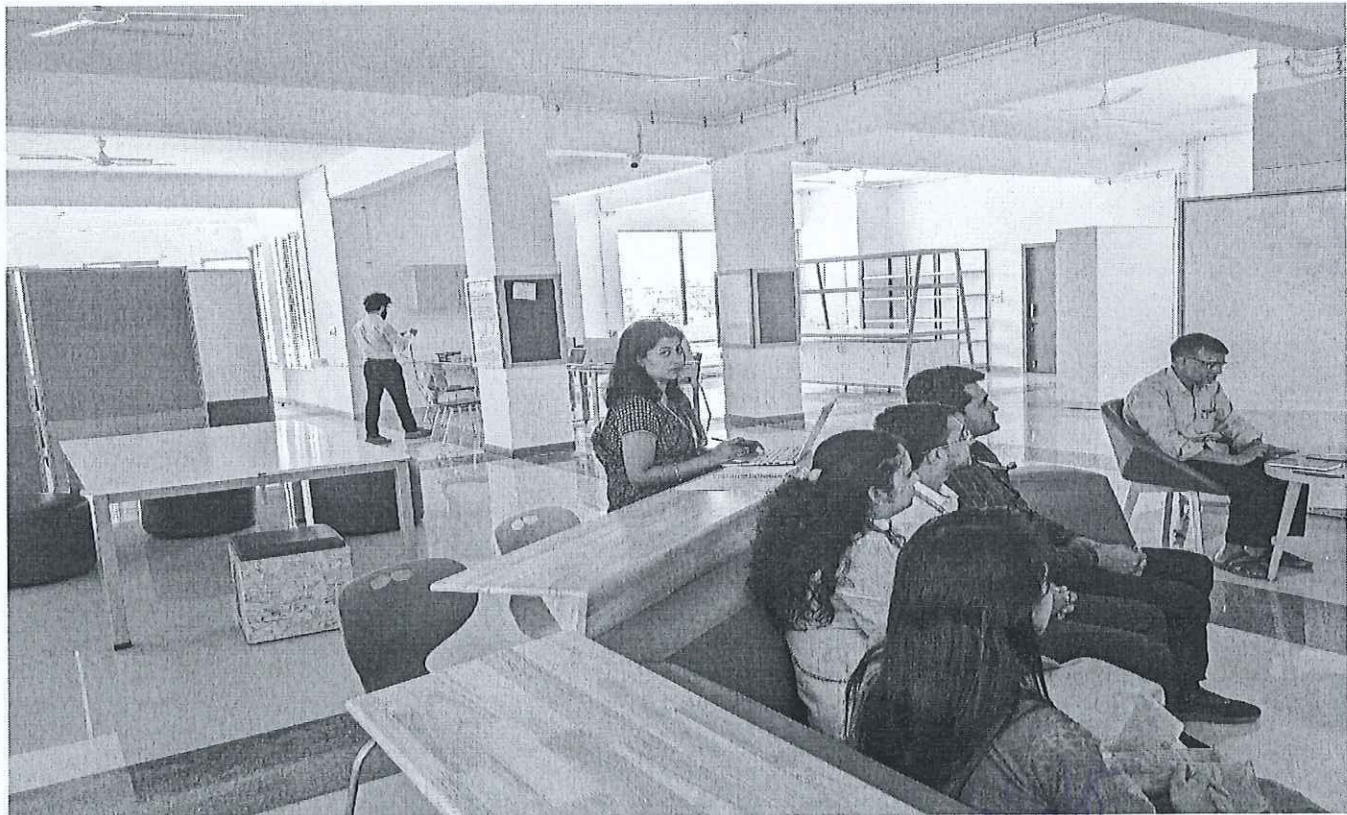
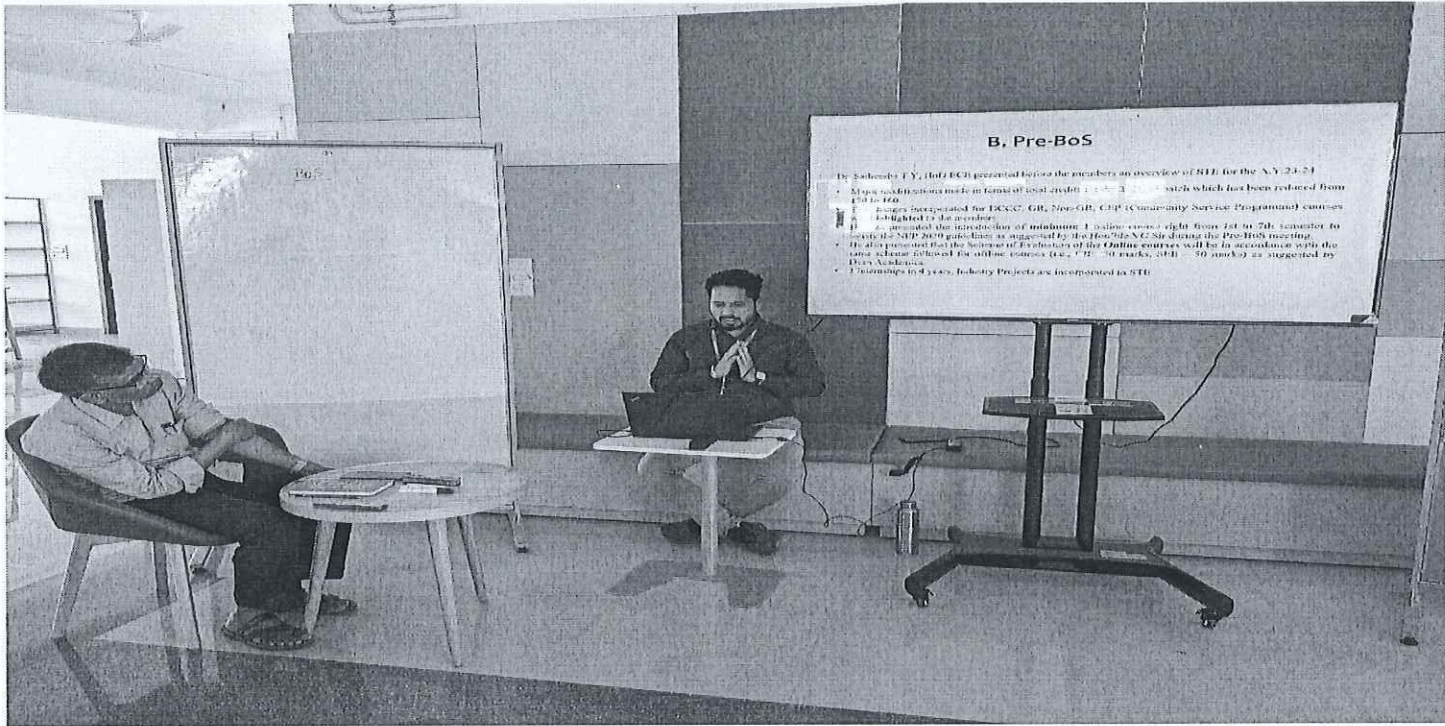
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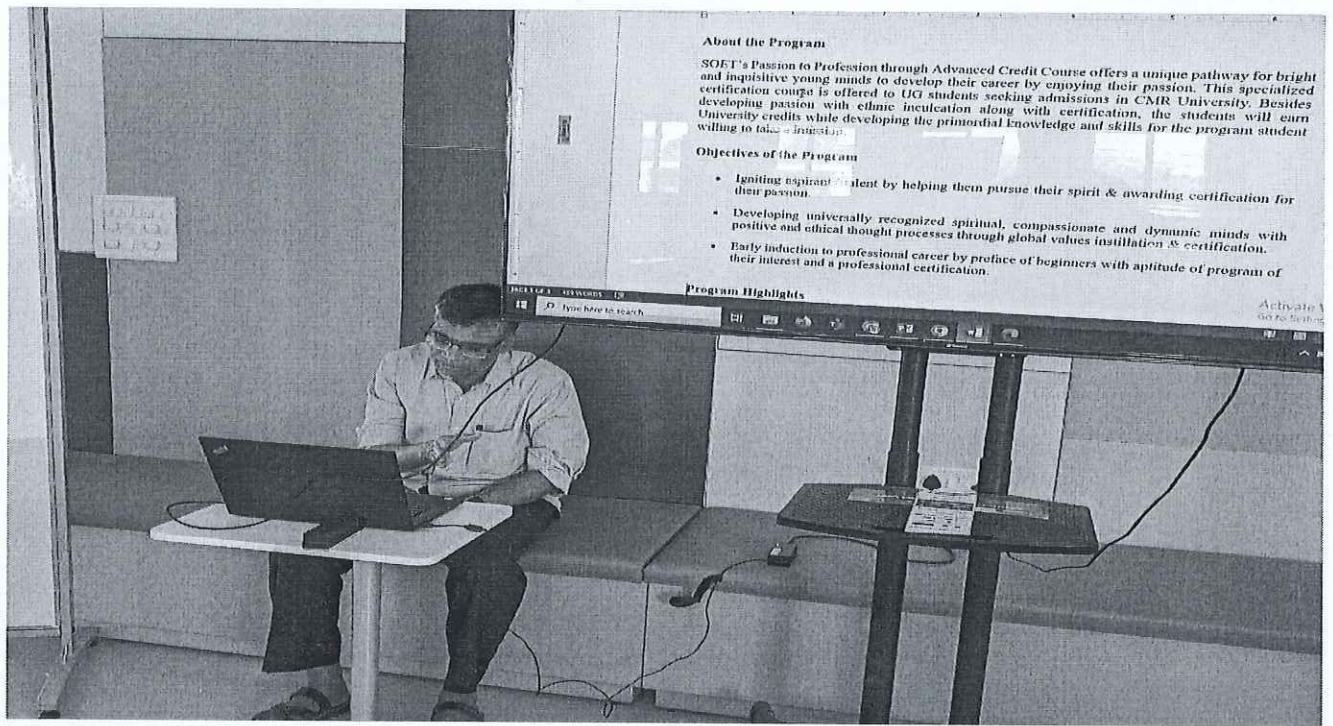
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MINUTES OF THE BOARD OF STUDIES MEETING

AY 2023-24 : BOS 10

SCHOOL OF ENGINEERING AND TECHNOLOGY Basic Sciences and Humanities

Date : Friday, 16/06/2023
Time : 11.00 a.m to 1.00 p.m
Venue : BSH Faculty Area

Members present:

- | | |
|--|-------------------|
| 1. Dr.Sreevidya Varma, Associate Professor and HoD-BSH (CMRU) | -MEMBER SECRETARY |
| 2. Dr. A V Arun Babu, Technology Manager, MNCF, IISc, Bangalore | - EXTERNAL MEMBER |
| 3. Dr. Priti Gupta, Associate Professor, Chemistry Dept. (CMRIT) | - EXTERNAL MEMBER |
| 4. Dr. Rajendra, Associate Professor, Mathematics Dept. (CMRIT) | - EXTERNAL MEMBER |
| 5. Dr. S. Naresh Kumar, Associate Professor, Physics Dept. (CMRU) | - INTERNAL MEMBER |
| 6. Dr. Manaswini Raj, Assistant Professor, Chemistry Dept. (CMRU) | -INTERNAL MEMBER |
| 7. Dr.M.Sathish Kumar, Assistant Professor, Mathematics Dept. (CMRU) | -INTERNAL MEMBER |
| 8. Mr. Puneetha, Assistant Professor, Mathematics Dept. (CMRU) | -INTERNAL MEMBER |
| 9. Ms. Fayal Dsouza, Assistant Professor, Chemistry Dept. (CMRU) | -INTERNAL MEMBER |

Members absent:

- | | |
|--|-------------------|
| 1. Dr. Sharath Umesh, Associate Staff Engineer, Becton Dickinson Technology- | EXTERNAL MEMBER |
| 2 Dr. Rajesh Gopal, Associate Professor, Physics Dept. (CMRIT) | - EXTERNAL MEMBER |

Proceedings

- Welcome and introduction by the Chairperson

Agenda 1: Review of decisions taken in the 9th BOS Meeting

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Dr. Sreevidya Varma presented minutes of the previous board of studies meeting AY 2022-23: BOS 09 held on Saturday, 18/06/2022.

Agenda 2: Action Taken

The action taken report of the previous board of studies meeting AY 2022-23: BOS 09 held on Saturday, 18/06/2022 were presented before the members.

Agenda 3: STE 2023-24 for I and II Semester B.Tech

The proposed Scheme of Teaching and Evaluation for I and II Semester B.Tech students were presented before the members.

Dr. Sreevidya Varma Presented Engineering Physics Scheme of Teaching and Evaluation.

Prof. Fayal Dsouza Presented Engineering Chemistry Scheme of Teaching and Evaluation.

Prof. Puneetha presented Engineering Mathematics Scheme of Teaching and Evaluation.

Agenda 4: STE 2023-24 for III and IV Semester

Prof. Puneetha presented Engineering Mathematics Scheme of Teaching and Evaluation for III and IV semester.

Agenda 5: STE 2023-24 for M. Tech.

Prof. Puneetha presented Engineering Mathematics Scheme of Teaching and Evaluation for M.Tech AI and . M.Tech CSE branches

Agenda 6: Recommendations By BOS Members

Engineering Physics:

Dr. A. V. Arunbabu suggested to include FBG sensors and Semiconductor Lasers in module 1 and In module 2, optical properties of semiconductors to be included in the syllabus. Suggested new Reference in module 2.

Engineering Chemistry:

Dr. Priti Gupta suggested to include Bio-material sensors in Module 1. She has suggested the following topics for Projects in Chemistry.


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- (i) Synthesis of nano-materials from simple precipitation Method.
- (ii) To estimate quality of water.
- (iii) Synthesis of green plastic.
- (iv) Estimation of calorific value and flashpoint in biodiesel.

Engineering Mathematics

Dr. P Rajendra suggested the following changes in the STE.

1. Discrete Mathematics structures changed the title into Engineering Mathematics I for CSE.
2. Engineering Mathematics IV changed the title into Engineering Mathematics II for CSE.
3. Engineering Mathematics-I for CSE, swapped two module form EM-II for CSE.
4. Engineering Mathematics-II for CSE, swapped two module from EM-I for CSE.

Vote of Thanks

Dr. Sreevidya Varma thanked all the external and internal BOS members for their active involvement in the BOS Meeting



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