Additional Information

1. CO PO mapping
2. POs, PSOs, PEOs
3. Vision and Mission Statements
4. CO-PO Mapping - (GNRL)
5. Sample Course Outcomes (ET)

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List of Courses with CO-PO Mapping

N.B. - Please see the POs and PSOs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

1. **Course Name**: **ENGINEERING MATHEMATICS-I**
   Course Code: **4MATH1011**

CO1: Apply the knowledge of calculus to analyse and approximate the functions.
CO2: Calculate rates of change of multivariate functions.
CO3: Solve multiple integrals for computing area and volume.
CO4:Make use of Gradient, divergence and curl for solving Engineering problems.
CO5:Use the concept vector integration to solve the flow problems.

CO-PO-PSO Mapping															
	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO 1	PSO 2	PSO 3
CO1	*	*											*		
CO2	*	*	*	*									*		
CO3	*	*		*	*								*		
CO4	*	*	*	*	*								*		
CO5	*	*	*	*	*								*		

2. **Course Name**: **ENGINEERING PHYSICS**
   Course Code: **4PHYS1011**

CO1: Plot the I-V characteristics of photo-diode, LED and solar cells.
CO2: Make use of Lasers and Optical fibres for different industrial applications.
CO3: Explain the use of Semiconducting and Superconducting materials for different engineering applications.
CO4: Analyze the applications of quantum mechanics in technology.
CO5: Analyze the results obtained in different experiments.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*		*										*		
CO3	*						*						*		

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CO4	*		*		*		*						*		
CO5	*	*	*	*	*										

3. **Course Name**: **ELEMENTS OF ELECTRICAL & ELECTRONICS ENGINEERING**
Course Code: **4ENEE1081**

CO1: Analyze electrical circuits by relevant Laws in DC circuits.
CO2: Demonstrate the single phase and three-phase power generation by using the phasor diagrams.
CO3: Analyze digital circuits
CO4: Demonstrate the knowledge of Karnaugh maps by simplifying the algebraic equations and design the combinational circuits

CO-PO-PSO Mapping															
	PO												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*	*									*		
CO2	*	*	*	*	*								*		
CO3	*	*	*	*									*		
CO4	*	*	*	*									*		

4. **Course Name**: **ELEMENTS OF COMPUTER ENGINEERING**
Course Code: **4CSGC1011**
On successful completion of the course, students will be able to:
CO1: Demonstrate functioning of different sub-systems, OS and different types of OS.
CO2: Use different types of data structures, operations and algorithms.
CO3: Describe the fundamental elements of relational database management systems.
CO4: Comprehend the layered protocol model & Classification of networks.
CO5: Demonstrate need for Linux OS and Linux commands.

CO-PO-PSO Mapping															
	PO												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*			*								*		

CO2	*	*	*	*	*								*		
CO3	*	*	*	*	*								*		
CO4	*				*								*		
CO5	*				*								*		

5. **Course Name**: **COMPUTER AIDED ENGINEERING DRAWING**
Course Code: **4ENME1011**
CO1: Illustrate competence in basics of orthographic projections of points, lines, planes and solids in three different views.
CO2: Apply the concepts of orthographic projections for simple objects.
CO3: Develop surfaces of solids of simple objects.

CO-PO-PSO Mapping														
PO												PSO		
PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
*	*	*	*	*								*		
*	*	*	*	*								*		
*	*	*	*	*								*		

6. **Course Name**: **ENGINEERING MATHEMATICS II**
Course Code: **4MATH1021**

CO1: Solve first order linear ordinary differential equations
CO2: Solve higher order differential equations arising through physical processes.
CO3: Construct a variety of partial differential equations and solve them.
CO4: Use periodic signals to represent periodic functions in the form of Fourier series.
CO5: Make use of matrix theory for solving system of linear equations.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*	*									*		
CO2	*	*	*	*									*		
CO3	*	*	*	*									*		
CO4	*	*	*	*									*		
CO5	*	*	*	*	*								*		

7. **Course Name**: **ENGINEERING CHEMISTRY**
Course Code: **4CHEM1012**

CO1: Explain the construction and working of Energy storage devices.
CO2: Explain corrosion of metals, factors and prevention techniques.
CO3: Explain the importance of the modern emerging field of nanotechnology.
CO4: Use instruments which give quick and accurate results for material analysis.
CO5: Carry out different types of titrations for estimation of concentration of an analyte.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*											*		
CO2	*	*					*						*		
CO3	*	*	*	*	*								*		
CO4	*	*			*		*						*		
CO5	*	*											*		

8. **Course Name**: **ELEMENTS OF MECHANICAL ENGINEERING AND WORKSHOP**
Course Code: **4ENME1022**

CO1 Recognizes the impact of energy sources on the environment and sustainability.
CO2 Explain the working principles of water, vapour and gas-powered systems.
CO3 Discuss the working principles of refrigeration systems and IC engines.
CO4 Compute various performance parameters of IC engines.
CO5 Demonstrate soldering, brazing and welding of sheet metal & welded joints.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*	*		*	*						*		
CO2	*	*	*	*									*		
CO3	*	*	*	*									*		
CO4	*	*	*	*	*								*		
CO5	*	*	*		*								*		

9. **Course Name**: **ELEMENTS OF CIVIL ENGINEERING**
Course Code: **4ENCV1011**

CO1: Explain the basics of Civil Engineering and related fields.
CO2: Develop Working models with the laws of mechanics.
CO3: Analyze equilibrium of coplanar, concurrent and non-concurrent forces.
CO4: Determine centroid and moment of inertia of simple geometric figures.
CO5: Apply D'Alembert's principle in any specific application.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*											*		
CO2	*	*	*	*									*		
CO3	*	*	*	*									*		
CO4	*	*	*	*									*		
CO5	*	*	*	*									*		

10. **Course Name**: **PROBLEM SOLVING USING PYTHON**
Course Code: **4CSPL1011**

CO1: Understand the basis of algorithm problem solving
CO2: Read/Write simple simple python programs
CO3: Develop python programs with conditionals and loops
CO4: Use python functions and python data structures
CO5: Read and write data from/to files in python programs

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*				*								*		
CO3	*	*	*	*	*								*		
CO4	*	*	*	*	*								*		
CO5	*				*								*		

11.Course Name: Engineering Mathematics-III
Course Code : 4MATH2131

CO1: Explain the propositional, predicate logic and truth table by evaluating correctness of argument
CO2: Discuss the type of relationship and apply the knowledge using the Hasse diagram.
CO3: Demonstrate the knowledge of combinatorics by solving relevant problems.
CO4: Apply binomial, Poisson, normal and exponential probability distributions to solve engineering problem
CO5: Construct elementary regression models by the method of least squares

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*											*		
CO2	*	*											*		
CO3	*	*											*		
CO4	*	*											*		
CO5	*	*											*		

12. Course Name: PROBLEM SOLVING AND PROGRAMMING USING C
Course Code : 4CSPL1111

CO1: Explain the basic computer concepts and programming principles of C language
CO2: Develop C programs to solve simple mathematical, engineering problems using conditionals and looping constructs
CO3: Develop C programs to demonstrate the applications of arrays in C
CO4: Execute programs to demonstrate the basic concepts of Strings and Pointers
CO5: Develop C programs to demonstrate the applications of functions in C

CO-PO-PSO Mapping

CO	PO													PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12		PSO1	PSO2	PSO3
CO1	*	*	*		*									*		
CO2	*	*			*									*		
CO3	*	*	*	*	*									*		
CO4	*	*	*	*	*									*		*
CO5	*	*			*									*		*

13. Course Name: DATA STRUCTURES
Course Code : 4CSPL1022

CO1: Choose appropriate data structure as applied to specified problem Definition
CO2: Handle operations like searching, insertion, deletion, traversing mechanism etc. on various data structures
CO3: Apply concepts learned in various domains like DBMS, compiler etc.
CO4: Use linear and non-linear data structures like stacks, queues, linked lists
CO5: write the programs using data structures in any programming language

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*	*			*								*		
CO3	*	*	*	*	*								*		
CO4	*	*	*	*	*								*		*
CO5	*	*			*								*		*

14. Course Name: Digital Logic Design
Course Code : 4ENCE2012

CO1: Make use of fundamental concepts to implement digital logic functions.
CO2: Build a different combinational logic circuit.
CO3: Develop synchronous and asynchronous sequential circuits, and realize using Hardware description Language and programmable logic devices.
CO4: Develop a sequential circuit using Memory and PLDs
CO5: Design finite state machines for different applications.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*				*								*	*	*
CO3	*	*	*	*	*								*		*
CO4	*	*	*	*	*								*	*	
CO5	*				*								*		*

15. Course Name: WEB DEVELOPMENT USING PYTHON AND DJANGO
Course Code : 4CSPL2011

CO1: Create database using SQLite.
CO2: Create web client programs using python.
CO3: Create web server programs using python.
CO4: Create a website using the Django framework.
CO5:Create to-do applications using Django and React JS.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*	*			*								*		*
CO3	*	*	*	*	*								*		*
CO4	*	*	*	*	*								*		
CO5	*	*			*								*		*

16. Course Name: MAKING WITH ELECTRONICS
Course Code : CPSES1011
CO1: Demonstrate the interfacing of basic input and output devices using Arduino.
CO2: Explain the working principles of various sensors and renewable energy sources.
CO3: Apply the understanding of Arduino programming by interfacing sensors and communication devices.
CO4: Demonstrate the interfacing of basic input and output devices using Raspberry Pi.
CO5: Analyze and Build a real-time application employing Arduino / Raspberry Pi.

CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*	*			*								*		*
CO3	*	*	*	*	*								*	*	
CO4	*	*	*	*	*								*	*	
CO5	*	*			*								*	*	*

17. **Course Name**: **OPERATING SYSTEMS**
Course Code: **4CSGC2041**
CO1: Explain various functionalities of OS and concept of multithreading
CO2: Apply process scheduling and synchronization techniques
CO3:Apply appropriate method to overcome deadlock and explain concept of various memory management techniques
CO4: Explain the structure and implementation of various secondary storage devices
CO5:Explain various protection and security management techniques in OS

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

18. **Course Name**: **DESIGN AND ANALYSIS OF ALGORITHMS**
Course Code: **4CSGC2051**
CO1: Identify various algorithm design techniques and strategies
CO2: Represent various asymptotic performance of algorithm
CO3: Illustrate the computational complexity of different algorithms
CO4: Analyse and find the best algorithm for real time problem solving
CO5: Construct best algorithm for real time problem solving

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*	*	*		*								*		
CO3	*	*	*		*								*		
CO4	*	*	*		*								*		
CO5	*	*	*		*								*		

19. **Course Name**: **COMPUTER ORGANIZATION AND ARCHITECTURE**
Course Code: **4CSGC2091**
CO1: Illustrate the various functional units of digital computers
CO2: Illustrate different concepts of CPU
CO3: Outline instruction execution using pipeline
CO4: Apply various hardware software concepts on instructions to exploit ILP
CO5: Explain Cache optimization techniques to improve system performance

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

20 **Course Name**: **Cryptography (MOOC)**
Course Code: **4CSGC3041**
CO1: Explain the different concepts of cryptography
CO2: Describe the principles of symmetric and asymmetric cryptography
CO3: To apply the asymmetric key encipherment techniques
CO4: To apply the concepts of hashing algorithms
CO5: Understanding the real life examples of Cryptography

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

21. **Course Name**: **Software Security (MOOC)**
Course Code: **4CSGC3051**
CO1: Understand the basics of secure programming
CO2: Understand the most frequent programming errors leading to software vulnerabilities
CO3: Identify and analyze security problems in software
CO4: To fix software flaws and bugs in various software
CO5: Understanding to prevent the cybercrime

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

22. **Course Name**: **Secure Coding**
Course Code: **4CSGC3061**

CO1: Understand the concept of secure programming
CO2: Design and develop of secure programming Concept
CO3: Apply the Robust Programming concept in token generation
CO4: Implement and develop some case studies
CO5:Analyze and ue some test method for detecting flaws

CO-PO-PSO Mapping

CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

23. **Course Name**: **Advanced Java**
Course Code: **4CSPL3041**
CO1: Understand and implement advanced Java concepts
CO2: Design and implement server-side programs using Servlets and JSP
CO3: Implements applications using Java Server Faces
CO4: Incorporate cutting-edge frameworks in web application development
CO5: Design and implementation of ORM mapping using Hibernates

CO-PO-PSO Mapping

CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

24. **Course Name**: **Scripting Languages**
Course Code: **4CSPL3051**
CO1: Comprehend the differences between typical scripting languages and typical system and application programming languages.
CO2: Gain knowledge of the strengths and weakness of Perl, TCL and Ruby; and select an appropriate language for solving a given problem.
CO3: Acquire programming skills in scripting language.
CO4: Understanding the text manipulation through Perl
CO5: Understanding of how applications communicating with each other and how a widget toolkit used for building GUI in many languages.

CO-PO-PSO Mapping

CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

25. **Course Name**: **Kotlin (OO+ Functional) (MOOC)**
Course Code: **4CSPL3061**
CO1: To learn a readable, pragmatic, safe, and interoperable programming language
CO2: To think about nullability from the start by integrating nullability into the type system
CO3: Acquire programming skills in Kotlin
CO4: Understanding the Android development through Kotlin
CO5: To aid scalability in large-scale software development

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

26. **Course Name**: **Network Programming in Unix & C**
Course Code: **4CSPL3071**
CO1: Identify interfaces and frameworks for developing network applications.
CO2: Solve the socket functions for data communication.
CO3: Design TCP echo client server program.
CO4: Develop UDP Client Server programs using socket functions.
CO5: Analyze the difference between broadcast and multicast programs.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

27. **Course Name**: **Python for Networking**
Course Code: **4CSPL3081**
CO1: Demonstrate the basic elements of a relational database management system.
CO2: Identify the data models for relevant problems
CO3: Design entity relationship and convert entity relationship diagrams into RDBMS and formulate SQL queries on the respect data into RDBMS and formulate SQL queries on the data.
CO4: Demonstrate their understanding of key notions of query evaluation and optimization techniques.
CO5: Extend normalization for the development of application softwares.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

28. **Course Name**: **Client-Server Technologies**
Course Code: **4CSGC3071**
CO1: Recognize and describe the working of Computer Networks, Client server computing.
CO2: Illustrate reference models with layers, protocols and interfaces.
CO3: Summarize functionalities of different Layers.
CO4: Combine and distinguish functionalities of different Layers.
CO5: Model the Client- Server computing using different media.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

29. **Course Name**: **Object Oriented Programming**
Course Code: **4CSPL3061**
CO1: Discuss the concepts of object-oriented programming
CO2: Apply OOP concepts to develop programs using functions and class
CO3: Incorporate the inheritance and constructor concepts to develop applications in C++
CO4: Apply operator overloading concepts in C++
CO5: Exemplify the process of data file manipulations, templates and exception handling using C++

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

30. **Course Name**: **Database Management Systems**
Course Code: **4CSGC2011**
CO1: Demonstrate the basic elements of a relational database management system.
CO2: Identify the data models for relevant problems
CO3: Design entity relationship and convert entity relationship diagrams into RDBMS and formulate SQL queries on the respect data into RDBMS and formulate SQL queries on the data.
CO4: Demon
strate their understanding of key notions of query evaluation and optimization techniques.
CO5: Extend normalization for the development of application softwares.

CO-PO-PSO Mapping		
CO	PO	PSO

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

31. **Course Name**: **OFFICE AUTOMATION**
Course Code: **4CSGC1021**
CO1: Applying basic editing functions formatting skills on paragraphs, tables, lists, and pages
CO2: Applicable knowledge and uses of accepted business style formatting conventions.
CO3: Working knowledge of organizing and displaying large amounts and complex data
CO4: Learnt to work with Master Slides to make editing your presentation easy
CO5: Learnt the importance of web and in social media

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

32. **Course Name**: **DATA COMMUNICATION AND COMPUTER NETWORKS**
Course Code: **4CSGC2061**
CO1: Outline basic concepts in data communications, OSI and TCP/IP protocol stack
CO2:Demonstrate design issues, flow control and error control.
CO3: Understand the transfer of data from source to the destination using different protocols and addressing
CO4: Summarize the functions of application layer protocols and how to meet the QoS requirements in networking
CO5: Identify the limits and importance of compression, encoding, sampling, quantization methods

CO-PO-PSO Mapping		
CO	**PO**	**PSO**

	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

33. **Course Name**: **INTRODUCTION TO MACHINE LEARNING**
Course Code: **4CSPL2041**
CO1: Apply various classification and clustering techniques for problems using tools like R and Python
CO2:Implement solutions for various prediction problems using tools
CO3: Design and development of game and traffic control system using reinforcement learning.
CO4: Identify and apply the appropriate machine learning techniques for classification, Pattern recognition, optimization and decision problems.
CO5: Development of techniques in information science applications by applying Computational intelligence and appropriate machine learning techniques.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

34. **Course Name**: **CLOUD COMPUTING**
Course Code: **4CSGC2071**
CO1: Explain main concepts, key technologies, strengths and limitations of cloud computing
CO2: Explain the cloud enabling technologies that help in the development of cloud
CO3: Develop the ability to use the architecture of compute and storage cloud, service and delivery models
CO4: Design the prototype of the software projects.
CO5: Choose the appropriate technologies and approaches for implementation and use of cloud.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

35. **Course Name**: **SOFTWARE ENGINEERING**
Course Code: **4CSGC2081**
CO1: Explain the principles of the engineering processes in software development.
CO2: Develop the software projects through activities such as planning and scheduling.
CO3: Classify and specify the requirements for the software projects.
CO4: Design the prototype of the software projects.
CO5: Implement the software development processes activities from requirements to validation and verification.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

L3

36. **Course Name**: **Web Technology**
Course Code: **4CSPL2071**
CO1: Students will be able to create simple static web pages using HTML and CSS.
CO2: Students will be able to add interactivity to web pages using JavaScript.
CO3: Students will be able to design responsive web pages that adapt to different screen sizes using a framework such as Bootstrap
CO4: Students will be able to create server-side applications using a server-side language such as PHP or Python.

CO5: Students will be able to design and implement web applications that consume external APIs using RESTful web services.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

37. **Course Name**: **Mobile Application Development**
Course Code: **4CSPL2051**
CO1: Explain the fundamental concepts of mobile application development.
CO2: Design the application with activities and fragments.
CO3: Apply different user interfaces to their application.
CO4: Demonstrate the use of views and pictures.
CO5: Use the different services in the application.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

38. **Course Name**: **Machine Learning for Beginners**

Course Code: **4CSGC2101**
CO1: Explain the concepts of Machine Learning Categories.
CO2: Analyse the fundamentals of Machine Learning.
CO3: Analyse various models in Machine learning.
CO4: Illustrate the Text Mining and Recommender Systems.
CO5: Elucidate the Deep and Reinforcement Learning.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

39. **Course Name**: **Soft Computing (Fuzzy, Genetic, Ontologies)**
Course Code: **4CSGC3121**
CO1: Students will acquire a solid comprehension of the fundamental concepts and principles that form the foundation of soft computing.
CO2: Students will develop the ability to identify and analyze complex problems in various domains and apply soft computing techniques to devise effective solutions.
CO3: Students will be able to select appropriate soft computing algorithms based on problem requirements.
CO4: Students will learn how to design and develop soft computing models by defining the problem domain.
CO5: Students will be able to evaluate the performance of soft computing models using appropriate evaluation metrics and statistical analysis techniques.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	

CO5	*	*											*		*

40. **Course Name**: **No-SQL DATABASES**
Course Code: **4CSPL3091**
CO1: Apply machine learning in real world projects.
CO2: Analyse and apply various classification algorithms.
CO3: Analyse various prediction algorithms.
CO4: Elaborate the clustering algorithms.
CO5: Construct machine Learning Models.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PS O1**	**PS O2**	**PS O3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

41. **Course Name**: **APPLIED MACHINE LEARNING**
Course Code: **4CSPL3101**
CO1: Elaborate the fundamental concepts of No-SQL databases.
CO2: Analyze the features and use cases of key-value databases.
CO3: Explain the features and challenges pertaining to document databases.
CO4: Illustrate the characteristics of column oriented No-SQL databases.
CO5: Describe the design and use cases of graph databases.
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CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PS O1**	**PS O2**	**PS O3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*

CO4	*	*	*		*								*	*	
CO5	*	*											*		*

42. **Course Name**: **System Security**
Course Code: **4CSGC3131**
CO1: Describe the knowledge about secure software system assurance and evaluation.
CO2: To conduct a cyber security risk assessment.
CO3: To measure the performance and troubleshoot cyber security systems.
CO4: To implement cyber security solutions.
CO5: To analyze the network security.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

43. **Course Name**: **Ethical Hacking**
Course Code: **4CSGC3141**
CO1: Describe the basics of the ethical hacking.
CO2: Describe the foot printing and scanning.
CO3: Demonstrate the techniques and countermeasures for system hacking.
CO4: Characterize the malware and their attacks.
CO5: Analyze the hardware Security concerns.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		

CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

44. **Course Name**: **MALWARE ANALYSIS**
Course Code: **4CSGC3151**
CO1: Explain the Basic Static Techniques to get information from an executable without running it.
CO2: Analyse malware in virtual machines to set up virtual machines to use as a safe environment for running malware.
CO3: To apply techniques for analyzing a malicious program.
CO4: To Analyze Malicious Windows Programs," for understanding malicious Windows programs.
CO5: Explain how to use malware analysis to create network signatures that outperform signatures made from captured traffic alone.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

45. **Course Name**: **Object Oriented Analysis Design**
Course Code: **4CSPL3111**

CO1: To learn techniques for testing and validating object-oriented systems, including unit testing, integration testing, and acceptance testing, to ensure the correctness and reliability of the software.
CO2: To develop skills in collaborating effectively within a team environment, including communication, task allocation, and version control, to collectively design and implement object-oriented systems.
CO3: To understand the importance of non-functional requirements, such as performance, scalability, and security, and learn how to incorporate them into the analysis and design process.
CO4: To stay updated with the latest trends and technologies in object-oriented analysis and design, allowing them to adapt and apply new techniques and tools as they evolve.

CO5: To demonstrate ethical and professional behaviour in the analysis and design of software systems, considering legal and societal implications, as well as adhering to industry best practices and standards.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

46. **Course Name**: **Web Technology Frameworks**
Course Code: **4CSPL3121**
CO1: Students will be able to Develop a solid understanding of the MERN stack and how it can be used to build scalable, high-performance full-stack web applications.
CO2: Students will Gain hands-on experience with building web applications using the MERN stack, including setting up a development environment, creating and connecting to databases, building APIs, and integrating frontend and backend code.
CO3: Students will be able to learn best practices for building secure, performant, and maintainable web applications, including implementing authentication and authorization, optimizing database queries, and using tools for debugging and testing.
CO4: Students will be able to understand how to design and implement scalable, distributed web applications that can handle large amounts of traffic and users, and deploy these applications to the cloud using popular cloud services.
CO5: Students will be able to Acquire the skills and knowledge necessary to be able to build real-world web applications using the MERN stack and gain confidence in their ability to create high-quality, professional-grade software.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*

CO4	*	*	*		*								*	*	
CO5	*	*											*		*

47. **Course Name**: **Application Development using MERN Stack (P5)**
Course Code: **4CSPL3131**
CO1: To Discover the details of HTML,CSS and their properties and applications.
CO2: Use the tools required to build JavaScript based SPAs.
CO3: Discover the details of React, the React Way, and how to get the maximum out of this library.
CO4: Discover the details of Nodejs and how to get the maximum out of this library.
CO5: To Discover the details of SQL,MongoDB and Nosql.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

48. **Course Name**: **Advanced Computer Networks**
Course Code: **4CSPL3141**
CO1: To Understand the TCP/IP protocol suite and the working of the Internet.
CO2: Form an understanding of the principles upon which the global Internet was designed.
CO3:Discover the details of switching, bridges and LAN.
CO4: Discover the details Simple Internetworking, Internet Protocol.
CO5: To Discover the details of UDP, TCP, RPC.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	

CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

49. **Course Name**: **Wireless Technologies**
Course Code: **4CSGC3161**

CO1: Students will gain a comprehensive understanding of the principles and concepts of wireless communication, including modulation, transmission, and reception of wireless signals.
CO2: Students will develop the skills necessary to design and implement wireless networks, including understanding the transmission medium, evaluating network performance, and selecting appropriate technologies.
CO3:Students will be able to analyze and evaluate wireless technologies, including understanding the limitations of different protocols and the impact of environmental factors on network performance.
CO4: Students will learn about the legal, ethical, and social implications of wireless communication, including privacy concerns, legal regulations, and the impact of wireless technologies on society.
CO5: Students will develop problem-solving skills through hands-on projects and laboratory exercises, including designing, implementing, and testing wireless networks and communication systems.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

50. **Course Name**: **Multimedia Networks**
Course Code: **4CSGC3171**
CO1: To describe types of networks and multimedia network requirement.
CO2: To describe end systems support for multimedia transport.
CO3: To Describe and analyze QoS mechanisms and protocols.
CO4: TO conduct performance analysis and discuss synchronization and adoption.
CO5: TO Discuss and evaluate multimedia over wireless networks.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

51. **Course Name**: **MACHINE LEARNING**
Course Code: **4BCS701**
CO1: Explain basic concepts of Machine Learning.
CO2: Choose the learning techniques and investigate concept learning.
CO3: Design Supervised Machine Learning algorithms to solve problems.
CO4: Design Un-Supervised Machine Learning algorithm to analyse data.
CO5: Apply effectively neural networks for appropriate applications.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*	*	*	*	*		*	*	*	*	*	*	*
CO2	*	*	*	*	*	*	*		*	*	*	*	*	*	*
CO3	*	*	*	*	*	*	*		*	*	*	*	*	*	
CO4	*	*	*	*	*	*	*		*	*	*	*	*	*	
CO5	*	*	*	*	*	*	*		*	*	*	*	*	*	

52. **Course Name**: **DATA ANALYSIS USING PYTHON**
Course Code: **4BCS702**
CO1: Explain Python Programs using core data structures.
CO2: Explain basic process of data science.
CO3: Analyze how to manipulate the uncarted datasets.
CO4: Explain statistical analysis and machine learning methods.

CO5: Apply visualization techniques.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

53. **Course Name**: **PREPARE PROGRAM-V**
Course Code: **4BHS704**

CO1: Students will be able to apply number theory concepts and formulas to solve problems of base system, remainder theorem etc.
CO2: Students will be able to categorize contradictions within the area of binary logic to solve problems using concepts of contradictions truth tellers, liars and alternators, pattern recognition problems (fillers, calendar etc.) by utilizing different functions that fit the given criteria.
CO3: Students will be able to analyze the sufficiency of data and interpret its specific components by solving problems using data reasoning and interpretation of its numerical and graphic representations
CO4: Students will be able to make use of advanced arithmetic, algebra and mensuration techniques to solve a variety of problems using a range of concepts from partnership to permutation and combination.
CO5: Students will be able to apply written and verbal communication techniques by reading and articulating themselves in the format of discussion, debate, interview, essay, letter etc.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

54. **Course Name**: **CAPSTONE PROJECT – DESIGN**
Course Code: **4BCS705**

CO1: Demonstrate engineering knowledge and its framework for its implementation in the project design as well work in groups taking leadership role and communicate effectively.
CO2: Survey relevant literature in the chosen field of study that allows interrelation of design and research.
CO3: Model a prototype/ concept design that exhibits the feasibility of the solution from cost, engineering and environmental aspects.
CO4: Justify the project design with a structured report that covers all the work carried out between framing the problem statement to the project design.
CO5: Design conceptual ideas that address the issues with respect to real world problems.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

55. Course Name: **DIGITAL SIGNAL PROCESSING**
Course Code: **4ENCC1011**

CO1: Demonstrate the concept of filtering of long data sequences.
CO2: Develop the fast computation of discrete Fourier transform
CO3: Explain the concept of transform analysis of LTI systems.
CO4: Develop FIR filter for the given specifications and study the effect of quantization of filter coefficients
CO5: Develop IIR filter for the given specifications.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	

CO5	*	*											*		*

56. Course Name: Embedded System & ARM Processor
Course Code: 4ENCE2031
CO1: The students should be able to understand the concepts of embedded systems, including their architecture, programming, and applications.
CO2: The students should have a thorough understanding of ARM processors, including their architecture and instruction set.
CO3: Ability to write and debug assembly language programs for ARM processors.
CO4: Designing and implementing ARM Cortex-M Processor real-time operating systems (RTOS) and hardware interfaces.
CO5: Familiarity with different communication protocols used in embedded systems, such as SPI, I2C, and UART.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*											*		
CO2	*	*	*	*									*		
CO3	*	*		*	*								*		
CO4	*	*	*	*	*								*		
CO5	*	*	*	*	*								*		

57. Course Name: **POWER ELECTRONICS AND CONTROL**
Course Code: **4ENEE1071**
CO1: Describe the characteristics of different power devices and identify the applications.
CO2: Determine the response of controlled rectifier and AC voltage controllers with resistive and inductive loads.
CO3: Illustrate the working of various pulse width modulated inverters as well as Step up and step-down choppers.
CO4: Develop a mathematical model of system and analyze the performance characteristics of first and second order systems using standard test signal
CO5: Test for the stability of a system in time as well as frequency domain and state space modeling of system.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**

CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

58. Course Name: Sensors & Robotics
Course Code: **4ENCE1191**
CO1: Apply various calibration techniques and signal types for sensors.
CO2: Classify and explain types of robots.
CO3: Apply various sensors in the robotics.
CO4: Explain robotic vision.
CO5: Recommend robotic system for various industries.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PS O1**	**PS O2**	**PS O3**
CO1	*	*	*	*									*		
CO2	*	*	*	*										*	
CO3	*	*	*	*									*		
CO4	*	*	*	*	*									*	
CO5	*	*	*	*	*							*			*

59. Course Name: INTRODUCTION TO ROBOTICS
Course Code: 4ENME105
CO1: Explain the basic configurations of robots.
CO2: Learn simple programs to control robots.
CO3: Illustrate the process of controlling a robot.
CO4: Explain the working of variety of sensors that can be used in robots.
CO5: List the applications of robots in different fields.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PS O1**	**PS O2**	**PS O3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

60. Course Name: **COMPUTER COMMUNICATION NETWORKS**
Course Code: **4ENCC1071**
CO1: Explain Data Communication with key concepts of networks, its types and OSI network model.
CO2: Identify the data link layer from OSI model, understanding the concepts related to layer, protocols.
CO3: Demonstrate the concept of Wired LAN's standards and its architecture.
CO4: Explain various connecting devices, IP address and routing mobile IP.
CO5: Explain the various transport layer protocols, UDP and TCP service applications and flow and error control.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

61. Course Name: **Advanced Digital Communication**
Course Code: **4ENCC2022**
CO1: Explain merits and demerits of different modulation techniques & coding techniques, spread spectrum signals and channel behaviors.
CO2: Analyze various modulation, equalization, diversity and coding techniques for communication systems.
CO3: Compare performance of different types of modulation on different wireless application fading channels.
CO4: Design and demonstrate various modulation/coding equalization techniques and measure their performance.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*	*									*		
CO2	*	*	*	*	*								*		*
CO3	*	*	*	*									*		
CO4	*	*	*	*									*	*	*

62. Course Name: **Low power VLSI**
Course Code: **4ENVL1041**
CO1:Classify various second order effects in MOSFET device.
CO2: Illustrate the sources of power dissipation in CMOS based logic.
CO3: Construct a suitable circuit to reduce leakage power using suitable low power techniques.
CO4: Demonstrate the knowledge of joint random variables in real time engineering problems.
CO5: Identify the mechanisms of power dissipation in CMOS integrated circuits.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*	*	*								*		
CO2	*	*	*	*	*								*		
CO3	*	*	*	*	*								*		
CO4	*	*	*	*	*							*	*		
CO5	*	*	*	*	*								*		

64. Course Name: **8051 Microcontroller**
Course Code: **4ENCE1241**
CO1: Explain the basics of Microprocessor and Microcontroller.
CO2: Relate to the 8051 Microcontroller architecture and Pin description.
CO3: Analyze 8051 Addressing modes and use the 8051 instruction set.
CO4: Program the on-chip peripherals in 8051.
CO5: Design and develop applications using 8051 Assembly language and C program.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*												*		
CO2	*												*		
CO3	*	*	*	*	*								*	*	
CO4	*	*	*	*	*				*			*	*	*	*
CO5	*	*	*	*	*				*			*	*	*	*

66. Course Name: Wireless Communication

Course Code: 4ENCC1241

CO1: Explain the basics and types of wireless communication systems being used.
CO2: Explain the basic concepts of cellular system and the design requirements.
CO3: Demonstrate the basic principles behind radio resource management techniques such as frequency reuse, channel allocation and handoffs.
CO4: Interpret knowledge and gain awareness on the technologies used for effective share of spectrum by multiple access techniques i.e. TDMA, CDMA, FDMA etc.
CO5: Summarize the wireless standards being used across the world.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

67. **Course Name**: **Engineering Mathematics-III**
Course Code: **4MATH2011**

CO1: Make use of C–R equations to form analytic functions.
CO2: Explain the concept of conformal, bilinear transformations and contour integration.
CO3: Apply Z-transforms for discrete functions.
CO4: Solve linear differential equations by Laplace transform method.
CO5: Solve first and second order ordinary differential equation using single step and multistep numerical methods.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*											*		
CO2	*	*											*		
CO3	*	*											*		
CO4	*	*											*		
CO5	*	*											*		

68. **Course Name**: **PROBLEM SOLVING AND PROGRAMMING USING C**
Course Code: **4CSPL1111**
CO1: Explain the basic computer concepts and programming principles of C language.
CO2: Develop C programs to solve simple mathematical, engineering problems using conditionals and looping constructs.
CO3: Develop C programs to demonstrate the applications of arrays in C.
CO4: Execute programs to demonstrate the basic concepts of Strings and Pointers.
CO5: Develop C programs to demonstrate the applications of functions in C.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*	*			*								*		
CO3	*	*	*	*	*								*		
CO4	*	*	*	*	*								*		*
CO5	*	*			*								*		*

69. **Course Name**: **ANALOG SYSTEM DESIGN**
Course Code: **4ENCE2011**
CO1: Demonstrate the device characteristics and working principles of BJT and MOSFET, and parameters of different types of amplifiers.
CO2: Analyze transistor biasing circuits and various amplifier configurations with small signal model.
CO3: Explain the operation of BJT and MOSFET current mirrors, differential amplifier and frequency response of an amplifier.
CO4: Analyze different types of feedback amplifiers and oscillators.
CO5: Design of series and shunt voltage regulators for a Power supply.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*				*								*	*	*
CO3	*	*	*	*	*								*		*
CO4	*	*	*	*	*								*	*	

CO5	*				*								*	*	*

70. **Course Name**: **DIGITAL SYSTEM DESIGN**
Course Code: **4ENCE2021**
CO1: Make use of fundamental concepts to implement digital logic functions.
CO2: Build a different combinational logic circuit.
CO3: Develop synchronous and asynchronous sequential circuits, and realize using Hardware description Language and programmable logic devices.
CO4: Develop a sequential circuit using Memory and PLDs.
CO5: Design finite state machine for different applications.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*		*								*		
CO2	*				*								*	*	*
CO3	*	*	*	*	*								*		*
CO4	*	*	*	*	*								*	*	
CO5	*				*								*	*	*

71. **Course Name**: **NETWORK ANALYSIS**
Course Code: **4ENEE1021**
CO1: Demonstrate the knowledge of KCL and KVL by solving electrical networks in phasor and time domain.
CO2: Select a suitable resonant circuit for a given resonant frequency.
CO3: Select suitable network theorems for reduction of a given network to simplify the solution for a network problem.
CO4: Analyze a network under steady and transient states by applying Laplace Transforms to a given circuit.
CO5: Choose suitable network parameters by transforming them appropriately to analyses a cascaded system.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*		*								*		
CO2	*				*								*		
CO3	*	*	*	*	*								*		

CO4	*	*	*	*	*								*		
CO5	*				*								*		

72. **Course Name**: **WEB DEVELOPMENT USING PYTHON AND DJANGO**
Course Code: **4CSPL2011**
CO1: Create database using SQLite.
CO2: Create web client programs using python.
CO3: Create web server programs using python.
CO4: Create website using Django framework.
CO5: Create to-do application using Django and React JS.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*		*								*		
CO2	*	*			*								*	*	
CO3	*	*	*	*	*								*		
CO4	*	*	*	*	*								*	*	*
CO5	*	*			*								*		*

73. **Course Name**: **CRITICAL INQUIRY**
Course Code: **CKSMM1011**
CO1: Conduct an inquiry into the origins and sources of their beliefs.
CO2: Recognize how access to the same information can lead to varied interpretations.
CO3: Appreciate the validity of diverse views that are separate from their own.
CO4: Recognize the impact of uninterrogated beliefs on daily life.
CO5: Understand the connection between beliefs and action.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	

CO5	*	*											*		*

74. **Course Name**: **INDIAN DEMOCRACY, PARTICIPATION & SOCIAL CHANGE**
Course Code: **CKSMM1021**
CO1: Study a particular event in Indian history and trace the impact that can be felt to the present day.
CO2: Understand the impact of the way a democracy is structured.
CO3: Understand the freedoms that a citizen of India has, and what those mean in daily life.
CO4: Understand the duties of an Indian citizen and how they translate to daily life.
CO5: Gain an understanding of the workings of the government in their residential locality.
CO6: Trace the impact of a single vote from their area of residence to the national scale.
CO7: Understand the Indian democratic process and their role in it.
CO8: Identify ways in which they can contribute to the progress of the country.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

75. **Course Name**: **PROJECT MANAGEMENT FUNDAMENTALS**
Course Code: **CPSSXX0X1**
CO1: Understand the fundamental concepts of Project Management and use them in their professional career
CO2: Demonstrate their preparedness to manage any project in a professional manner.
CO3: Apply the best practices of Project Management which will ensure their success in their professional life.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*

ECE IV SEM

76. **Course Name**: **ENGINEERING MATHEMATICS-IV**

Course Code: **4MATH2021**

CO1: Apply binomial, Poisson, normal and exponential probability distributions to solve engineering problems.

CO2: Construct elementary regression models by the method of least squares.

CO3: Explain the concept of testing of hypothesis for small and large samples.

CO4: Apply the knowledge and skills of numerical methods to solve algebraic and transcendental equations.

CO5: Apply the simplex algorithm to solve a linear programming problem.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*											*		
CO2	*	*											*		
CO3	*	*											*		
CO4	*	*											*		
CO5	*	*											*		

77. **Course Name**: **PRINCIPLES OF COMMUNICATION**

Course Code: **4ENCC2011**

CO1: Explain the working of amplitude modulators and receivers.

CO2: Explain the Angle modulation techniques.

CO3: Demonstrate the reception and demodulation of FM and also the various types of Noise.

CO4: Interpret pulse modulation techniques and base band data transmission.

CO5: Compare the digital modulation techniques.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*	*	*									*		
CO3	*	*		*	*								*		
CO4	*	*	*	*	*								*		
CO5	*	*		*	*								*		

78. **Course Name**: **SIGNALS AND SYSTEM ANALYSIS**

Course Code: **4ENCC1231**

CO1: Classify the continuous and discrete time signals and systems.
CO2: Solve the system response using system's equation and using convolution.
CO3: Demonstrate the continuous time signals using Fourier series and Fourier Transform and the concept of sampling in time domain.
CO4: Demonstrate the discrete time signals using Fourier series and Fourier Transform and the concept of sampling in frequency domain.
CO5: Solve the Discrete time systems using Z transform and Discrete Time Fourier transforms.

CO-PO-PSO Mapping																
CO	PO													PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8		PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*											*		
CO2	*	*			*									*		
CO3	*	*	*	*										*		
CO4	*	*	*		*									*		
CO5	*	*												*		

79. **Course Name**: **VLSI**
Course Code: **4ENVL1011**
CO1: Demonstrate understanding of MOS transistor theory, CMOS fabrication flow and technology scaling.
CO2: Outline the basic gates using the stick and layout diagrams with the knowledge of physical design aspects.
CO3: Explain memory elements along with timing considerations.
CO4: Illustrate testing and testability issues in VLSI design.
CO5: Construct CMOS subsystems and architectural issues with the design.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO 10	PO 11	PO 12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*	*	*									*		
CO3	*	*		*	*								*		
CO4	*	*	*	*	*								*		
CO5	*	*		*	*								*		

80. **Course Name**: **PYTHON FOR DATA SCIENCE**
Course Code: **4CSPL3011**

CO1: Analyze data science applications.
CO2: Apply data collection and wrangling techniques.
CO3: Analyze how to manipulate the uncharted datasets using Numpy.
CO4: Analyze how to manipulate the uncharted datasets using Pandas.
CO5: Apply visualization techniques.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*		*								*		
CO2	*	*			*								*		
CO3	*	*	*	*	*								*	*	
CO4	*	*	*	*	*								*	*	*
CO5	*	*		*	*								*	*	*

81. **Course Name**: **MAKING WITH ELECTRONICS**
Course Code: **CPSES1011**
CO1: Demonstrate the interfacing of basic input and output devices using Arduino.
CO2: Explain the working principles of various sensors and renewable energy sources.
CO3: Apply the understanding of Arduino programming by interfacing sensors and communication devices.
CO4: Demonstrate the interfacing of basic input and output devices using Raspberry Pi.
CO5: Analyze and Build a real-time application employing Arduino / Raspberry Pi.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO 1	**PO 2**	**PO 3**	**PO 4**	**PO 5**	**PO 6**	**PO 7**	**PO 8**	**PO 9**	**PO 10**	**PO 11**	**PO 12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*		*								*		
CO2	*	*			*								*		*
CO3	*	*	*	*	*								*	*	
CO4	*	*	*	*	*								*	*	
CO5	*	*			*								*	*	*

School of Liberal Studies

Course: Basic Psychological Processes-I
Course Code: 7PSYG1011

CO1: Understand and know the different theories (Level 2)
CO2: Apply the analysis of behavior to uniqueness. (Level 3)
CO3: Application of how brain mechanisms influence behavior. (Level 3)
CO4: Discuss the aspects of Genetic Counselling. (Level 3)
CO5: Understand the emerging trends of Learning intellectual processes. (Level 2)

CO-PO-PSO Map

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**1**	**2**	**3**	**4**	**5**
1	*										*			
2						*					*			
3			*								*			
4						*					*			
5	*										*			

Course: Fundamentals of Sociology
Course Code: 7SOCI1011

CO1: Understand the subject of sociology (Level 1)

CO2: Understand the various concepts involved in the study of sociology. (Level 2)
CO3: Understand the different cultural conditions prevailing in the society and about socialization.(Level 2)
CO4: Learn the importance of community and community life in society (Level 3)
CO5: Understand the effect of Social Stratification on Indian society (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**1**	**2**	**3**	**4**	**5**
1	*											*		
2	*											*		
3					*							*		
4					*						*			
5	*				*						*			

Course: Introduction to Journalism
Course Code: 7JRNM1011
CO1: Understand the processes of news (Level 2)
CO2: Outline the various forms in print media (Level 2)
CO3: Construct the news story. (Level 3)
CO4: Differentiate with other news media (Level 4)
CO5: Apply ethics and social responsibilities in news reporting (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**1**	**2**	**3**	**4**	**5**
1								*		*				

2								*		*				
3								*		*				
4								*		*				
5								*		*				

4. Course: BRITISH LITERATURE – I
Course Code: 7LANG1011

CO1: Understand the different forms of literature (Level 2)
CO2: Gain an understanding of British society from the age of Chaucer to Johnson (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**1**	**2**	**3**	**4**	**5**
1									*				*	
2									*				*	

5. Course: Basic Psychological Processes – II
Course Code: 7PSYG2011

CO1: Understand and know the interaction of psychological processes and behaviour. (Level 2)
CO2: Understand the emerging trends of interaction between mind and health.(Level 2)
CO3: Apply the process of Memory enhancement to real life.(Level 3)
CO4: Application of Processes involved in enhancing verbal and non-verbal performance. (Level3)
CO5: Apply the understanding of circadian rhythms in understanding human behaviour.(Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
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6. Course: SOCIAL INSTITUTIONS
Course Code: 7SOCI1021

CO1: Understand the various types of marriages practiced among various religions and their problems. (Level 2)
CO2: Understand the various types of families, their roles and responsibilities in shaping a decent family system.(Level 2)
CO3: Learn the importance of kinship relations as primary binders. (Level 2)
CO4: Engage with Religion as one of the chief determinants of contemporary social. (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
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7. Course: Applied Social Psychology
Course Code: 7PSYG2021

CO1: Understand the processes that governs Social behaviour (Level 2)

CO2: Evaluate the procedures that influence gender related behaviour.(Level 3).
CO3: Application of how attitudes towards the Legal system influences behaviour (Level 3)
CO4: Application of Journal. (Level 3)
CO5: Application of Laws to prevent abuse discrimination and prejudice(Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
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8. Course: CONTEMPORARY SOCIAL PROBLEMS
Course Code: 7SOCI1031

CO1: Use critical thinking to discuss or write about social issues. (Level 3)
CO2: Be able to describe important characteristics of social problems actors. (Level 3)
CO3: Gain a basic understanding of how sociologists research social problems (Level 2)
CO4: Understand the disastrous effects of Addictive behaviors of citizens of a society (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
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9. Course: Reporting and editing for Print
Course Code: 7JRNM2011

CO1: Understand the role, function and qualities of reporter (Level 2)
CO2: Apply the news structure in writing news stories and features (Level 4)
CO3: Understand the working of newspaper organization (Level 2)
CO4: Plan the interview for feature stories (Level 3)
CO5: Identify the objectivity and politics of news(Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
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10. Course: British Literature – II
Course Code: 7LANG2011

CO1: Develop an understanding of History, politics, culture through reading representative / lesser known writings of those times (Level 3)
CO2: Develop an understanding of English Studies (Level 3)
CO3: To develop language skills (Level 3)
CO4: To engage with the themes in British Literature. (Level 4)
CO5: To understand the cultural milieu in which writings British and European are set (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	**PO**									**PSO**				
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11. Course: Developmental Psychology – I
Course Code: 7PSYG2031

CO1: Understand and know the Psychosocial development across the LifeSpan . (L2)
CO2: Understand the emerging trends of how early developmental lag influences behaviour .(L2)
CO3: Apply the Early developmental knowledge to later developmental deficits.(L3)
CO4:Application of the stages of development to Learning and Maturation (L3)
CO5: Discuss the theories developed in the field of Cognition.(L3)2

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
CO	**PO**									**PSO**			
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12. Course: Counseling Techniques and Interventions-I
Course Code: 7PSYG2041

CO1: Understand the entire process of Counselling and Psychotherapy (L2).
CO2: Evaluate the individual need for counselling and therapy.(L3).
CO3: Application of different processes in Counselling (L3).
CO4: Application of Journal .(L3)
CO5: Application of Life Skill training on helping the helpless.

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
CO	**PO**									**PSO**			
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13. Course: Classical Sociological Theories

Course Code: 7SOCI2011

CO1:Use critical thinking in the analysis of Social theories
CO2: Be able to describe Fundamental theories of Sociology.
CO3:Gain a basic understanding of how modern industrial society works.
CO4: Recognize the role of Western Sociologists in developing Sociology

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
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14. Course: Sociology of Development
Course Code: 7SOCI2021

CLO1:Critically analyze Forms of Development (L3)
CLO2: Be able to understand the costs of Development. (L1)
CLO3: Recognize the role of collective action in practicing Sustainable Development. (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
CO	**PO**									**PSO**			
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15. Course: BRITISH LITERATURE - III
Course Code:7LANG3011

CO1: Identify and describe the various ages in British Literary history. (L1, L2)
CO2: Locate the chief literary features and styles across the ages.(L2, L3)
CO3: Construct a connection between the text and the context and present it in the form of multiple classroom engagements.(L3)
CO4: Critically evaluate and debate the relevance of these texts in contemporary times (L1, L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
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16. Course: Introduction to Broadcast Media – Television
Course Code:7JRNM2041

CO1. Understand the working of Television channel in India (L2)
CO2. Identify and analyze the different Television news programme formats (L4)
CO3. Outline the various stages involved in television news programme (L3)
CO4. Construct news story for television news Programme (L3)
CO5. Understand and discuss the current situation of Television broadcasting in India (L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
CO	**PO**									**PSO**			
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17. Course: Research Methodology
Course Code:7RESE1011

CO1: To apply statistical methods in business research
CO2: To design and plan a research study
CO3: To use problem solving and analytical skills in the business field
CO4: To be able to identify business research opportunities.

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
CO	**PO**									**PSO**			
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18. Course: Modernism and Post Modernism
Course Code: 7LANG3021

CO1: Read and interpret Literary works from various parts of the world – Russia, Central and Eastern Europe and South Asia. (L1)
CO2: Engage with socio-historical contexts, with a special focus on the theme of encounter, be it textual or cultural. (L2,L3)
CO3: Familiarized with contemporary genres and writers of popular interest that spill out of mainstream focus into the present.(L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
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19. Course:Advertising and Public Relations
Course Code: 7JRNM2071

CO1: Understand the crucial role of public relations, advertising and corporate communications in the local, national and international arena. (L2)
CO2: Conduct an in-depth study of CSR projects which will add to the knowledge and value of student development, thus making them socially aware. (L4)
CO3: Understand the strategies and innovative ideas that drive public relations. (L2)
CO4: Apply the concepts learnt in conducting press conferences and usage of press tools. (L3)
CO5: Construct advertisements for various media platforms. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping

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20. Course: Health Psychology
Course Code: 7PSYG3041

CO1: Demonstrate the biological, behavioral, cognitive and social determinants of health, and risk factors for health-compromising behaviors and strategies for their modification (L2)
CO2: Demonstrate advanced knowledge of various approaches to the prevention and management of major identifiable health conditions (L3)
CO3: Apply coping mechanisms under stressful situations (L4)
CO4: Evaluate the management strategies for pain and chronic, and terminal illness (L5)

CO-PO-PSO Mapping

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21. Course :Sports Psychology
Course Code:7PSYG3091

CO1: Develop the appreciation of interrelated scientific concepts that promote understanding of problems and issues in the study of sports psychology (L2)
CO2: Articulate the professional competencies in the field of sports psychology (L3)
CO3:Critically understand application of theories and strategies in appropriate ways (L4)
CO4: Develop an understanding of the field, foundations, and methods of intervention strategies (L5

CO-PO-PSO Mapping

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21. 7SOCI3011:Sociology of Urban Development

CO1: Identify and characterize processes of urbanization and patterns of urban development and change of metropolitan areas
CO2: Identify and describe the work of early and contemporary scholars and theorists in the field of urban studies and relate the significance of their contributions to the field of urban studies
CO3: Identify and understand the key issues and policy debates in the areas of economic development, housing, transportation, regionalism, and sustainable development, among others
CO4: Evaluate the urban planning that is going around the world and to examine the future of our cities

CO-PO-PSO Mapping

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22. 7SOCI3021:Sociology of Religion

CO1: Students would be able to demonstrate key theoretical perspective in Sociology
CO2: Analyze the recent trends and debates on religion in India, Evaluate the subject in a more logical way.
CO3: Appreciate the multidimensional nature of religiosity or ways of being religion.
CO4: Assess the impact of religion on the daily life of individuals and groups and the impact of society on religion

CO-PO-PSO Mapping

CO	**PO**									**PSO**			
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23. 7JRNM3031: DOCUMENTARY MAKING AND FILMS

CO1. Understand the of history and development of Films

CO2. Prepare Script, Storyboard screenplay and budget for a film/Documentary **CO3**. Carryout the shoot for film/Documentary
CO4. Construct the story with audio and video through editing **CO5**. Apply new trends in film making

24. 7HENG4011: Popular Literature

CO1. Read and identify certain kinds of literature as 'popular' and 'formulaic'.
CO2.Interpret popular genres using theoretical perspectives.
CO3. Connect popular texts/films to their cultural contexts of production and consumption.
CO4. Write critically based on an evaluative understanding of texts and contexts.

25. 7HPSY4011: Abnormal Psychology

CO1: Understand and know how new research increases our understanding of abnormal behavior (L2)
CO2: Understand the recent trends in research in various aspects of abnormal psychology (L2)
CO3: Application of biomedical,individual and group approaches to treatment. . (L3)
CO4: To increase sensitivity to the struggles of people dealing with these types of problems, by putting a human face on the study of abnormal psychology(L3)
CO5:To increase the acceptance tolerance and rehabilitation of people with mental health issues(L3)
CO6: Discuss and understand the Nosology of disorders...(L3)

26. 77SOCI4031: Sociology of Crime and Deviance

CO1: Use critical thinking in the analysis of Deviant Behaviour as an integral part of Human Behaviour.
CO2: Be able to use their proficiency in theoretical approaches for further research studies.
CO3: Gain a basic understanding of how to approach issues of Deviant Behaviour in social life

27. Ethics and Values
CO1: Outline the history of the philosophical study of ethics
CO2: Develop an understanding of their personal ethical responsibilities
CO3: Apply abstract ethical concepts in their own lives

28. 7BAH632 : Research Writing

CO1: Develop critique, and write essays.(L1,)
CO2: Analyze a case and arrive at structural modes through which problems can be solved in the case.(L1,L2)

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CO3: Construct arguments after evaluating the object, and provide a point of view to support claims made. (L3,L4)

29. 7BAH632 : Research Writing
CO1: Develop critique, and write essays.(L1,)
CO2: Analyze a case and arrive at structural modes through which problems can be solved in the case.(L1,L2)
CO3: Construct arguments after evaluating the object, and provide a point of view to support claims made. (L3,L4)

CO	PO				PSO				
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30. 7BAH625: Industrial Psychology

CO1:Describing motivational factors of employee.
CO2:Examine current issues, trends, practices in industrial psychology.
CO3:Develop employability skill in an organization.
Apply principles of industrial and organizational psychology to scholarly and/or professional activities to promote lifelong learning.
Design, develop and evaluate a job specific training program in the organization.

31. 7SOCI2021: Sociology of Development

CO1:Critically analyze Forms of Development (L3)
CO2:Be able to understand the costs of Development. (L1)
CO3:Recognize the role of collective action in practicing Sustainable Development.(L4)
CO-PO-PSO Mapping

CO-PO-PSO Mapping													
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32. **7INTS2010: Internship (CIP)**

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L4)
CO5: Students will be professionally ready to deal effectively in the environment (L4).

33. 7INTS3010: Internship (SIP)

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L4)
CO5: Students will be professionally ready to deal effectively in the environment (L4).

34. 7BAH625: Industrial Psychology

CO1:Describing motivational factors of employee.
CO2:Examine current issues, trends, practices in industrial psychology.
CO3:Develop employability skill in an organization.
CO4:Apply principles of industrial and organizational psychology to scholarly and/or professional activities to promote lifelong learning.
CO5:Design, develop and evaluate a job specific training program in the organization.

35. 7SOCI2021: Sociology of Development

CO1:Critically analyze Forms of Development (L3)
CO2:Be able to understand the costs of Development. (L1)
CO3:Recognize the role of collective action in practicing Sustainable Development.(L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping													
CO	PO									PSO			
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36. 7INTS2010: Internship (CIP)

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)

CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L4)
CO5: Students will be professionally ready to deal effectively in the environment (L4).

37. 7INTS3010: Internship (SIP)

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L4)
CO5: Students will be professionally ready to deal effectively in the environment (L4).

B.A (H) Psychology
38. 7BAH121 : Basic Biological Processes-I

CO1: Understand and know the relevance of all the theoretical concepts of psychology (L2)
CO2:Application of how brain mechanisms influence perception and sensation (L3)
CO3: Apply the theoretical understanding in analyzing the functioning of the nervous system (L3)
CO4: Discuss the interaction of the cognition emotion and behavior (L3)
CO5 :Understand the emerging trends of improving memory and emotions.(L2)

39. 7BAH122: Foundation of Social Psychology

CO1:Understand the influences of Social norms on behaviour (L2)
CO2: Evaluate the procedures used in Social Psychology (L3)
CO3: Application of research in Social Psychology (L3)
CO4: Application of Group Dynamics and Leadership skills on influencing human behaviour (L3)
CO5: Students will acquire and apply the knowledge learnt from empirical research (L3)

40. 7BAH113 : ENGLISH -1

CO1:Analyze a short story or a poem (L2)
CO2:Identify the social ,economic and the cultural context of the literary text (L2)
CO3:Understand the nuances and significance of each literary text (L2)
CO4:Write academic essays and reviews of literary texts or create their own literary text(L4)

41. 7BAH104: BRITISH LITERATURE – I

CO1: Understand the different forms of literature. (L2)
CO2: Gain an understanding of the British society from the age of Chaucer to Johnson. (L3)
CO3: Get an overview of human behavior and impact of the same in literature. (L3)
CO4: Gain an overview of how individuals seriously think about ways in which human beings can make their surroundings better and happy. (L4)

42. 7BAH109: Introduction to Journalism

CO1: Understand the process of news (L2)
CO2: Outline the various forms in print media
CO3: Construct the news story
CO4: Differentiate with other news media
CO5: Apply the ethics and social responsibilities in news reporting

43. 7BAH110: Introduction to Media and Communication

CO1 Discuss the impact of media in everyday life (L1)
CO2 Apply the knowledge of communication models (L3)
CO3 Analyze the effects of media on the audience (L4)
CO4 Understand and know the theories of mass communication (L2)
CO5 Analyze the effects of media on culture (L4)

44. 5BAL171: Indian Constitution

CO1: Understand the Ideals of the Constitution, Fundamental Rights and Fundamental Duties of every citizen and guidelines of the State.
CO2: Understand the working of Legislature, Executive and Judiciary at the Centre and State level.
CO3: Acquire knowledge about Human Rights and enforcement mechanisms.
CO4: Apply their Knowledge and skills acquired to write the Civil Services Examination.

45. BAH221: Basic Biological Processes – II

CO1: Understand and know the interaction of biological processes and behaviour. (L2)
CO1: Understand the emerging trends of interaction between mind and health.(L2)

CO1: Apply the process of Memory enhancement to real life.(L3)
CO1: Application of Processes involved in enhancing verbal and non verbal performance. (L3)
CO1: Apply the understanding of circadian rhythms in understanding human behaviour.(L3)

46. 7BAH222: Applied Social Psychology

CO1: Understand the processes that governs Social behaviour (L2)
CO2: Evaluate the procedures that influence gender related behaviour.(L3).
CO3: Application of how attitudes towards the Legal system influences behaviour (L3).
CO4: **Application of Journal .(L3)**
CO5: Application of Laws to prevent abuse discrimination and prejudice(L3)

47. 7BAH223 : ENGLISH - II

CO1: Critically analyze Literary Texts.
CO2: Identify the social ,economic and the cultural context of the literary text
CO3: Understand the nuances and significance of each literary text
CO4: Write academic essays and reviews of literary texts or create their own literary text

48. 7BAH219: Professional Communication Skills

CO1: The students will be able to communicate fluently, responsibly and effectively in professional contexts in English.
CO2: The students will demonstrate their spoken English proficiency by effectively delivering formal and informal oral presentations to a variety of audience in professional contexts.

49. 7BAH216 : British Literature – II

CO1: Develop knowledge and understanding of the roles played by various forms of writing in European Romanticism.
CO2: Gain an understanding of themes and genres particularly poetry, essays and Novels.
CO3: Develop an idea of how literature in the UK evolved.
CO4: Gain knowledge on the variety of themes dealt in British LiteraturE
CO5: Gain an insight into feminist discourse which questioned the dominant patriarchal values in the society

50. 7BAH209: Reporting and editing for Print

CO1. Understand the role, function and qualities of reporter (L2)
CO2 Apply the news structure in writing news stories and features (L3)
CO3 Understand the working of newspaper organization (L2)
CO4 Plan the interview for feature stories (L3)
CO5 Identify the objectivity and politics of news (L3)

51. 7BAH214: Basic Biological Processes -II (Practical)

CO1. To understand further the fundamental processes underlying human behavior such as learning, motivation, emotion, individual differences, intelligence, personality and states of consciousness.
CO 2. Apply the principles of psychology in day-to-day life for a better understanding of themselves and others.
CO 3. To grasp basic of psychological disorders and thus prepare them for post-graduate program in Psychology.
CO 4. To understand the importance of well-being and adaptive coping

52. ULSI201: Functional English

CO1: Develop skills to use the English language effectively both in writing and speaking
CO2: Identify areas of weaknesses and clearly understand ways improve upon them
CO3: Apply the knowledge in various situations, like while participating in a debate or attending an interview
CO4: Build a repertoire of skills in the language over time and exude confidence among peers and superiors
C05: Make use of the English language within the culturally bound conventions of academic writing and public speaking

53. 7BAH321:Developmental Psychology – I

CO1: Understand and know the Psychosocial development across the LifeSpan . (L2)
CO2: Understand the emerging trends of how early developmental lag influences behaviour .(L2)
CO3: Apply the Early developmental knowledge to later developmental deficits.(L3)
CO4:Application of the stages of development to Learning and Maturation (L3)
CO5: Discuss the theories developed in the field of Cognition.(L3)

54. BAH322: Counseling Techniques and Interventions-1

CO1: Understand the entire process of Counselling and Psychotherapy (L2).
CO2: Evaluate the individual need for counselling and therapy..(L3).
CO3: Application of different processes in Counselling (L3).
CO4: Application of Journal .(L3)
CO5: Application of Life Skill training on helping the helpless.

55. 6BBA305: **DISASTER MANAGEMENT**

CO1: Apply different Concepts of disaster and Management (L2)
CO2: Apply different Concepts of disaster and Management. (L3)
CO3: Identify causes and effect of various types of Disasters. (L3)
CO4: Monitor and evaluate plan for disaster mitigation and response. (L4)

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CO5: Analyze disaster management plan in India (L4)

56. 7BAH317: BRITISH LITERATURE – III

CO1: Understand and analyze the structure, themes and other elements of Victorian poetry.
CO2: Read, understand and analyze modern English prose and short fiction.
CO3: Identify and analyze the features of Spoken and Written discourse.
CO4: Critically analyze diversifying themes and techniques of different periods in British Literature

57. 7BAH314 :Introduction to Broadcast Media – Television

CO1. Understand the working of Television channel in India (L2)
CO2. Identify and analyze the different Television news programme formats (L4)
CO3. Outline the various stages involved in television news programme (L3)
CO4. Construct news story for television news Programme (L3)
CO5. Understand and discuss the current situation of Television broadcasting in India (L2)

58. 7BAH323:Health Psychology

CO1. Know the basics of health and illness from the Bio-psychosocial perspectives.
CO2. Understand the significance of behavioral and psychological correlates of health and illness
CO3. Understand the significant aspects of coping and importance of health enhancing behavior.

59. ULSI301: Aptitude Skills

CO-1: Apply number theory methods for quick calculation and manipulation of numbers
CO-2: Solve problems of various arrangements (Circular and Linear)
CO-3: Apply the concepts of ratio, proportions, percentages, and averages to calculate class /set relationship
CO-4: Utilize the concept of work-time-efficiency and distance-time-speed to solve problems
CO-5: Illustrate their conceptual knowledge of blood relationships
CO-6: Identify and make use of English grammar to understand problems relating to verbal ability

60. 7BAH421: Developmental Psychology – II

CO1: Understand and know the changes in life due to Maturity. (L2)
CO2: Understand the emerging trends of how unhealthy lifestyle choices influences behavioural outcome.(L2)

CO3: Apply the theories for a successful life in Adulthood .(L3)
CO4: Application of how to adjust and predict change . (L3)
CO5: Discuss that Knowledge gain can give rise to better vocational choices .(L3)
CO6: Applying the dynamics in better career choices (L3)

61. 7BAH422: Counselling Techniques and Interventions -II

CO1: Understand the Concepts of Child Counseling (L2).
CO2: Evaluate the procedures of Counseling with Adolescents .(L3).
CO3: Application of theories of Family and Marital counseling (L3).
CO4: Application of Journal .(L3)
CO5: To be aware of legal procedures as an intervention for abuse prejudice bias

62. 67BAH414: American Literature & Facets of Language

CO1: Understand and analyze the structure, themes and other elements of American poetry
CO2: Read, understand and analyze modern American prose and short fiction.
CO3: Read, understand and analyze the themes, techniques and structure of American drama.
CO4: Identify and analyze the features of Literary discourse

63. 7BAH409: Advertising and Public Relations

Understand the crucial role of public relations, advertising and corporate communications in local, national and international arena. (L2)
Conduct an in-depth study of CSR projects which will add to the knowledge and value of student development, thus making them socially aware. (L4)
Understand the strategies and innovative ideas that drive public relations. (L2)
Apply the concepts learnt in conducting press conferences and usage press tools. (L3)
Construct advertisements for various media platforms. (L3)

64. 7BAH413: Personality and Life Skill Development

CO1. The students will be able to build trust by developing mutual respect with people around them.
CO2. The students will develop confidence by mastering the seven steps to positive thinking and be successful by turning weaknesses into strengths.

65. 7BAH411: Developmental Psychology – II (Practical)

CO1: Identify and improve the intuitive thoughts and to know and understand the changes in one's own development throughout the lifespan that contribute towards human growth.
CO2: Assess early developmental challenges and to determine impact on connecting development to life

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CO3: To describe, explain, control and predict the developmental period by incorporating knowledge and connecting it to the changing family in a changing society.
CO4: To be able to differentiate between normality and pathology.

66. ULSI401: Soft Skills

CO1: Apply the concepts and understanding, in their day to day lives more consciously
CO2: Identify their areas of strengths and weaknesses, and work on them systematically
CO3: Make use of the knowledge to become well rounded individuals

67.7BAH521: ABNORMAL PSYCHOLOGY- I

CO1: Understand and know how new research informs our understanding of abnormal behavior (L2)
CO2: Understand the recent trends in research .(L2)
CO3: Understand the recent trends in research in various aspects of abnormal psychology (L2) **CO4**: Application of biomedical, individual and group approaches to treatment. . (L3)
CO5:To increase sensitivity to the struggles of people dealing with these types of problems, by putting a human face on the study of abnormal psychology(L3)
CO 6:To increase the acceptance tolerance and rehabilitation of people with mental health issues(L3)
CO7: Discuss and understand the nosology of disorders.(L3)

68. 7BAH522: INDUSTRIAL PSYCHOLOGY - I

CO1: Understand how Industrial Psychology has evolved.
(L2).
CO2: Evaluate the procedures to develop motivation in Employees.(L3).
CO3: Apply the techniques of Team building and Leadership.(L3).
CO4: Application of Journal .(L3)
CO5: Examine issues related to personal assessment(L3)

69. 7BAH529: Supervised Internship (Report and Viva-Voce)

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L4)
CO5: Students will be professionally ready to deal effectively in the environment (L4).

70. 7BAH503 : Writing in Translation: India

CO1: To engage with writings in Translation. (L1,L2)

CO2: To trace the historical, socio-cultural and political context of 'Bhasha' literatures. (L2,L3)
CO3: To sketch the trajectory of Indian literature and problematizes the category and nomenclature.(L1,L2,L3)

71. 7BAH532– ENVIRONMENT AND SUSTAINABILITY

CO1:Discuss the importance of environmental protection and global warming.
CO2:Analyse the importance of sustainability

72. 7BAH510: DOCUMENTARY MAKING AND FILMS

CO1. Understand the of history and development of Films (L2)
CO2. Prepare Script, Storyboard screenplay and budget for a film/Documentary(L6)
CO3. Carryout the shoot for film/Documentary (L3)
CO4. Construct the story with audio and video through editing(L3)
CO5. Apply new trends in film making (L3)

73. 7BAH526: Research Methodology

CO1: Understand the various methods of research
CO2:Understand and develop a good research design
CO3:Able to undertake research paper studies through proper analysis of data collected from both primary and secondary sources of information.

74. 7BAH523 :Abnormal Psychology – I(Practicals)

CO1: The students will be able to differentiate between different psychotic and neurotic disorders (L2)
CO2:Understand the clinical picture and etiology of major psychological disorders (L3)
CO3: The students can apply their knowledge in psychology in the field of mental health. (L3)

75. ULSI501: Finishing School Skills

CO1: Understand the importance of behaviour in the business world and adapt these to fit the corporate culture
CO2: Develop a formal dressing sense
CO3: Understand the importance of diction and brevity in Resume writing **CO4**: Apply the nuances involved in Group Discussions
CO5: Attend Personal Interviews with confidence

76. 7BAH621: Abnormal Psychology – II

CO1: The students will be able to differentiate between different psychotic and neurotic disorders (L2)

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CO2:Understand the clinical picture and etiology of major psychological disorders (L3)
CO3: The students can apply their knowledge in psychology in the field of mental health. (L3)

77. 7BAH622 :Industrial Psychology – II

CO1: Understand how Industrial Psychology has evolved. (L2).
CO2: Evaluate the procedures to develop motivation in Employees. (L3). **CO3**: Apply the techniques of Team building and Leadership. (L3).
CO4: Application of Journal .(L3)
CO5: Examine issues related to personal assessment(L3)

78. 7BAH603: Project work (Report and Viva-voce) – Psychology

CO1: The students will be able to integrate the theoretical knowledge of research into practice.
CO2: The students will be able to minimize research bias in psychology.
CO3: The students will be able to synthesize a research paper under the guidance of the supervisors.

79. 7BAH632 : Writing

CO1: Develop critique, and write essays.(L1,)
CO2: Analyze a case and arrive at structural modes through which problems can be solved in the case.(L1,L2)
CO3: Construct arguments after evaluating the object, and provide a point of view to support claims made. (L3,L4)

80. 7BAH629 : CITY NARRATIVES

CO1: To introduce students to the city of Bangalore and its representations through genre of a variety of kinds (L1,L2)
CO2: To Historicize the city of Bangalore (L2,L3)
CO3: To contemporize the city (Ideation and argument mapping(L1,L2,L3,L4))

81. 7BAH612: Online Journalism

CO1. Understand the key technical concepts in online journalism (L2) **CO2**. Create web pages for a blog or website (L6)

CO3.Creating and hosting news portals (L6)
CO4.Develop an understanding in reporting of online news stories. (L3) **CO5**. Analyze the functioning of various news portal (L4)

82. 7BAH623: Introduction to Psychotherapy

CO1:Understand the entire process of Psychotherapy (L2).
CO2: Evaluate the individual need for psychotherapy..(L3).
CO3: Application of different processes in psychotherapy(L3).
CO4: Application of Journal .(L3)

83. 7BAH624: Industrial Psychology Practicals

CO1: Describing industrial morale, appraisal. (L2)
CO2: Examine issues related to industrial absenteeism, fatigue and employee mental health. (L3)
CO3: Apply principles of industrial psychology to scholarly and professional activities to promote lifelong learning. (L3)
CO4: Develop employability skills in an organisation. (L4)

BA (H) JOURNALISM
84. 7JRNM1011: Introduction to Journalism

CO1. Understand the processes of news (Level 2)
CO2. Outline the various forms in print media (Level 2)
CO3. Construct the news story (Level 3)
CO4. Differentiate with other news media (Level 4)
CO5. Apply ethics and social responsibilities in news reporting (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
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85. 7JRNM1021: Introduction to Media and Communication

CO1. Discuss the impact of media in everyday life (Level 1)
CO2. Apply the knowledge of communication models (Level 3)
CO3. Analyze the effects of media on the audience (Level 4)
CO4. Understand and know the theories of mass communication (Level 2)
CO5. Analyze the pros and cons of media in democracy (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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2	*		*			*			
3	*	*					*		
4	*					*			
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86. 7LANG1011: BRITISH LITERATURE - I

CO1: Understand the different forms of literature (Level 2)
CO2: Gain an understanding of British society from the age of Chaucer to Johnson (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
1				*				*	
2				*				*	

87. 7PSYG1011: Basic Psychological Processes-I

CO1:Understand and know the different theories (Level 2)
CO2: Apply the analysis of behavior to uniqueness. (Level 3)
CO3: Application of how brain mechanisms influence behaviour. (Level 3)
CO4: Discuss the aspects of Genetic Counselling. (Level 3)
CO5: Understand the emerging trends of Learning intellectual processes. (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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88. 7JRNM1031:Mass Media in India

CO1: Gain an overall understanding of the history of the press and electronic media in India. (Level 1)
CO2: Understand the present status of media in India. (Level 3)
CO3: Understand the recent trends in Indian media. (Level 2)
CO4: Analyse Parallel Cinema and contemporary media. (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**

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89. 7JRNM1041: Computer Applications in Media

CO1: Distinguish between conventional and new media. (Level 2)
CO2: Understand the importance of news verification. (Level 2)
CO3: Implementing the media etiquettes in day to day life. (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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2			*				*		
3			*				*		

90. 7JRNM1051: Gender, Media and Society

CO1: Identify stereotypes of gender, race, class, and sexual identity in media portrayals. (Level 2)
CO2: Analyze texts in context of gender identities. (Level 4)
CO3: Recognize diversity across audiences, content and producers of media. (Level 2)
CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	**PO**	**PSO**

	1	2	3	4	5	1	2	3	4
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91. 7JRNM2011: Reporting and editing for Print

CO1. Understand the role, function and qualities of reporter (Level 2)
CO2. Apply the news structure in writing news stories and features (Level 4)
CO3. Understand the working of newspaper organization (Level 2)
CO4. Plan the interview for feature stories (Level 3)
CO5. Identify the objectivity and politics of news(Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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92. 7JRNM2021: Photo Journalism

CO1. Understand the development in photojournalism (Level 2)
CO2. Build photography skills for photojournalism (Level 3)
CO3. Classify the difference in photography (Level 2)
CO4. Planning the photo-shoot with proper equipment (Level 3)
CO5. Demonstrate the editing skills in photography (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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4			*				*		
5			*			*			

93. 7PSYG2011: Basic Psychological Processes - II

CO1: Understand and know the interaction of psychological processes and behavior. (Level 2)
CO2: Understand the emerging trends of interaction between mind and health. (Level 2) **CO3**: Apply the process of Memory enhancement to real life. (Level 3)
CO4: Application of Processes involved in enhancing verbal and non-verbal performance. (Level 3)
CO5: Apply the understanding of circadian rhythms in understanding human behavior. (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
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94. 7LANG2011: British Literature - II

CO1: Develop an understanding of History, politics, culture through reading representative / lesser known writings of those times. (Level 3)
CO2: Develop an understanding of English Studies (Level 3)
CO3: To develop language skills (Level 3)
CO4: To engage with the themes in British Literature. (Level 2)
CO5: To understand the cultural milieu in which British and European writings are set. (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
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95. 7JRNM1061: CORPORATE COMMUNICATION

CO1: Understand the role of communication for social interaction and effective relationships. (Level 2)
CO2: Analyze the importance of building and maintaining effective relationships with internal and external audiences. (Level 4)
CO3: Evaluate corporate social responsibility adopted by various organisations. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
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96. 7JRNM1071: Environmental Journalism

CO1: Analyse various environmental issues. (Level 4)
CO2: Understand the importance of protecting the environment. (Level 2)
CO3: evaluate the role of media on the environment. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
1	*					*			
2	*					*			
3	*					*			

97. 7JRNM2031: Introduction to Broadcast Media-Radio

CO1. Understand the working of radio station in India (L2)
CO2. Identify and analyze the different radio programme formats (L4)
CO3. Outline the various stages involved in radio broadcast (L3)
CO4. Construct news story for radio news Programme (L3)
CO5. Understand and discuss the current situation of FM and community radio broadcasting in India (L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping

CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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3									

98. 7JRNM2041 : Introduction to Broadcast Media – Television

CO1. Understand the working of Television channel in India (L2)
CO2. Identify and analyze the different Television news programme formats (L4)
CO3. Outline the various stages involved in television news programme (L3)
CO4. Construct news story for television news Programme (L3)
CO5. Understand and discuss the current situation of Television broadcasting in India (L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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99. 7LANG3011: BRITISH LITERATURE - III

CO1: Identify and describe the various ages in British Literary history. (L1L2)

CO2: Locate the chief literary features and styles across the ages.(L2, L3) and present it in the form of their writing.
CO3: Construct a connection between the text and the context and present it in the form of multiple classroom engagements.(L3)
CO4: Critically evaluate and debate the relevance of these texts in contemporary times(L1, L2)

CO-PO-PSO Mapping

CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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3.	*	*				*	*		
4.	*	*				*	*		

100. 7PSYG2031: Developmental Psychology – I

CO1: Understand and know the Psychosocial development across the LifeSpan . (L2)
CO2: Understand the emerging trends of how early developmental lag influences behaviour .(L2)
CO3: Apply the Early developmental knowledge to later developmental deficits.(L3) **CO4**:Application of the stages of development to Learning and Maturation (L3)
CO5: Discuss the theories developed in the field of Cognition.(L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	PO	PSO

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101. 7JRNM2051 : Development Communication

CO1 The students will be aware of development concepts. (Level 1,2)
CO2 The students will be skilled in analyzing various developmental strategies. (Level 4)
CO3 The students will gain knowledge on Traditional empowerment efforts. (Level 2,3)
CO4 The Students will learn about Social marketing methods for Development. (Level 3)
CO5 The students will be able to evaluate various developmental projects.(Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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3			*			*			
4			*						*
5				*					*

102. 7JRNM2061: Media, Culture and Society

CO1. Understand media's impact on culture (L2)
CO2. Analyze the working of Frankfurt media school (L5)
CO3. Examine the effects of media on audience (L3)

CO4. Measure the impact of new media technologies on culture (L3)
CO5. Criticize the various media representation(L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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3			*			*			
4			*				*		
5				*					*

103. 7JRNM2071: Advertising and Public Relations

CO1: Understand the crucial role of public relations, advertising and corporate communications in the local, national and international arena. (L2)
CO2: Conduct an in-depth study of CSR projects which will add to the knowledge and value of student development, thus making them socially aware. (L4)
CO3: Understand the strategies and innovative ideas that drive public relations. (L2)
CO4: Apply the concepts learnt in conducting press conferences and usage of press tools. (L3)
CO5: Construct advertisements for various media platforms. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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3			*			*			
4			*			*			
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104. 7LANG3021 : Modernism and Post Modernism

CO1: Read and interpret Literary works from various parts of the world – Russia, Central and Eastern Europe and South Asia. (L1)
CO2: Engage with socio-historical contexts, with a special focus on the theme of encounter, be it textual or cultural. (L2,L3)
CO3: Familiarized with contemporary genres and writers of popular interest that spill out of mainstream focus into the present.(L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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2.	*						*		
3.	*						*		

105. 7PSYG3011: Developmental Psychology – II

CO1: Understand the changes in life due to Maturity. (L2)
CO2: Understand the emerging trends of how unhealthy lifestyle choices influences behavioural outcome.(L2)
CO3: Apply the theories for a successful life in Adulthood .(L3)
CO4: Application of how to adjust and predict change. (L3)
CO5: Applying the dynamics in better career choices (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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106. 7JRNM2081: Introduction to New Media

CO1 Understanding the role of new media in the current digital world (L2)
CO2 Analyzing the effect of New media on the current world (L4)
CO3 Learning to use current digital trends to understand convergence (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
1			*			*			
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107. 7JRNM2091: Media Management

CO1 Understanding the ownership patterns in media organizations and conglomerates (L2)
CO2 Analyzing the problems in the media organization - ethics vs practicality (L4)

CO3 Learning the history of media management to understand present media control situations (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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2			*			*			
3			*			*			

108. 7JRNM3011 Intercultural communication

CO1 Apply principles of human communication in cross-cultural settings (L2,L3)
CO2 Create media content for cross cultural communication(L6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
1			*			*			
2			*			*			

109. 7JRNM3021: Media and Human Rights

CO1: Identify stereotypes of gender, race, class, and sexual identity in media portrayals. (Level 2)
CO2: Analyze texts in context of gender identities and human rights (Level 4)
CO3: Recognize diversity across audiences, content and producers of media. (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	**PO**	**PSO**

	1	2	3	4	5	1	2	3	4
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3			*			*			

110. 7JRNM2101: Visual Communication

CO1: Demonstrate an understanding of visual perception and colours (Level 2)
CO2: Analyse and appreciate photo montages, cartoons, and paintings (Level 4)
CO3: Demonstrate an understanding of still cameras including shutter speed, ISO, aperture lenses, and their characteristics, and depth of field(Level 2)
CO4: Compose photographs using aesthetic principles such as "rule of thirds" and "golden ratio" (Level 3)
CO5: Demonstrate an understanding of photo journalism and photo journalism ethics (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
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2		*				*			
3			*			*			

111. 7JRNM2111 :Film Communication and Film Appreciation
CO1: Demonstrate an understanding of the History of cinema and the various technical aspects in cinema (L2)
CO2: Analyse and critique the underlying themes in various fictional and non-fictional narratives (L5)
CO3: Demonstrate an understanding of the various theories and perspectives used to analyse a film (L2)
CO4: Demonstrate understanding of the History and important aspects of documentary filmmaking (L2)

CO5: Critique the use of technology in cinema (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
1			*			*			
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112. 7JRNM3031 DOCUMENTARY MAKING AND FILMS
CO1 Understand the of history and development of Films
CO2. Prepare Script, Storyboard screenplay and budget for a film/Documentary
CO3. Carryout the shoot for film/Documentary
CO4. Construct the story with audio and video through editing
CO5. Apply new trends in film making

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**					**PSO**			
	1	**2**	**3**	**4**	**5**	**1**	**2**	**3**	**4**
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113. 7JRNM3041 MEDIA ETHICS AND LAW

CO1. Understand the ethics in news coverage (L2)
CO2. Understand the laws pertaining to news coverage(L2) **CO3**. To know the responsibility of media in society (L1)
CO4. Understanding the freedom of expression and defamation (L2)
CO5. Applying social responsibilities in report news (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
1			*			*			
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4			*						*
5				*					*

114. 7JRNM3051: GLOBALIZATION AND MEDIA

CO1 Describe evolution of communication. (Level 2)
CO2 Identify the theoretical frameworks. (Level 2)
CO3 Understand the importance of communication theories.(Level 2)
CO4 Analyze between models and theories.(Level 4)
CO5 Develop critical theoretical analysis, leading to research orientation (Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	PO	PSO

	1	2	3	4	5	1	2	3	4
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4			*				*		
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115. 7JRNM4011: COMMUNICATION THEORIES

CO1 Describe evolution of communication. (Level 2)
CO2 Identify the theoretical frameworks. (Level 2)
CO3 Understand the importance of communication theories.(Level 2)
CO4 Analyze between models and theories.(Level 4)
CO5 Develop critical theoretical analysis, leading to research orientation (Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
	PO					PSO			
CO	1	2	3	4	5	1	2	3	4
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116. 7JRNM4021 RESEARCH IN MASS COMMUNICATION

CO1 Demonstrate the ability to choose methods appropriate to research aims and objectives.
CO2 Understand the limitations of particular research methods.
CO3 Develop skills in qualitative and quantitative data analysis and presentation.
CO4 Develop advanced critical thinking skills.

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
1			*			*			
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3			*			*			
4			*						*
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117. 7JRNM4031 Online Journalism

Understand the key technical concepts in online journalism (L2)
Create web pages for a blog or website (L6)
Creating and hosting news portals (L6)
Develop an understanding in reporting of online news stories. (L3)
Analyze the functioning of various news portal (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	PO	PSO

	1	2	3	4	5	1	2	3	4
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118.7JRNM4041: POLITICAL COMMUNICATION

CO 1 Understand the importance of political communication
CO 2 Get insights on the political strategies of Indian freedom struggle
CO 3 Explore the salient features of the Indian Constitution
CO 4 Get to know about the political party system and its role in India
CO 5 Understand the importance of PR and media relations for effective political communication.
CO 6 Get familiarized with the political theories.

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	PO						PSO					
	1	2	3	4	5	6	1	2	3	4	5	6
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119. 7JRNM4051: MEDIA ISSUES AND DEVELOPMENT

CO1: To use the principles of cultural studies, textual analysis & semiotics, media effects, and other theoretical approaches to examine the relationship between media representations of race, class, gender, and sexuality and actual social inequalities in our society(Level 3)
CO2: To understand the meaning-making processes and practices that comprise our media culture and the role of representation in those processes and practices(Level 2)
CO3: To identify the roles that media representations play in our individual processes of identity formation, as well as in the formation of such collectives as national identity, ethnic identity, gender, etc(Level 1)
CO4: To articulate logically and effectively, in a variety of written forms, critical arguments derived from a cultural studies approach to media and cultural criticism (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	PO						PSO					
	1	2	3	4	5	6	1	2	3	4	5	6
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120. 7INTS3010 INTERNSHIP

CO1: To apply the theoretical understanding of concepts and theories (L3)
CO2: Students will be able to demonstrate skills in news reporting and writing, editing and content creation (L3)
CO3: Students will demonstrate professional skills required in professional settings (L3)
CO4: Students will be professionally ready to deal effectively in the environment (L4).

121. 7CAPS4010 DISSERTATION

CO1: Students will be able to apply theoretical knowledge of print journalism, broadcast journalism and corporate communication in practice.
CO2: Students will be able to demonstrate skills in reporting, copywriting, report writing, designing and video production.

CO3: Students will acquire coherent and logical understanding to demonstrate competence in carrying out industry standard projects.
CO4: Students will ready a concrete and wholesome project portfolio based on their area of interest to enhance their career opportunities.

BA (H) ENGLISH
122. 7BAH121 : Basic Biological Processes-I

CO1: Understand and know the relevance of all the theoretical concepts of psychology (L2)
CO2:Application of how brain mechanisms influence perception and sensation (L3)
CO3: Apply the theoretical understanding in analyzing the functioning of the nervous system (L3)
CO4: Discuss the interaction of the cognition emotion and behavior (L3)
CO5 :Understand the emerging trends of improving memory and emotions.(L2)

123. 7BAH122: Foundations of Social Psychology

CO1:Understand the influences of Social norms on behaviour (L2)
CO2: Evaluate the procedures used in Social Psychology (L3)
CO3: Application of research in Social Psychology (L3)
CO4: Application of Group Dynamics and Leadership skills on influencing human behaviour (L3)
CO5: Students will acquire and apply the knowledge learnt from empirical research

124. 7BAH113:ENGLISH -I

CO1: Identify the social, economic and the cultural context of the characters in the literary texts. (L1)
CO2. Prepare academic essays and reviews of literary texts. (L3)
CO3:Use grammatical structures meaningfully and appropriately in their oral and written production. (L2)
CO4: Express their thoughts in meaningful utterances while speaking. (L4)
CO5: Employ strategies of speeded reading as well as in depth to annotate , summarize ,and synthesize ideas retrieved from different parts of the lesson . (L4)

125. **7BAH104: BRITISH LITERATURE – I**
CO1: Understand the different forms of literature
CO2: Gain an understanding of the British society from the age of Chaucer to Johnson
.**CO3**: Get an overview of human behavior and impact of the same in literature.
CO4:Gain an overview of how individuals seriously think about ways in which human beings can make their surroundings better and happy

126. 7BAH109: Introduction to Journalism

CO1: Understand the process of news (L2)
CO2: Outline the various forms in print media

CO3: Construct the news story
CO4: Differentiate with other news media
CO5: Apply the ethics and social responsibilities in news reporting

127. 7BAH110: Introduction to Media and Communication

CO1 Discuss the impact of media in everyday life (L1)
CO2 Apply the knowledge of communication models (L3)
CO3 Analyze the effects of media on the audience (L4)
CO4 Understand and know the theories of mass communication (L2)
CO5 Analyze the effects of media on culture (L4)

128. 5BAL171: Indian Constitution

CO1: Understand the Ideals of the Constitution, Fundamental Rights and Fundamental Duties of every citizen and guidelines of the State.
CO2: Understand the working of Legislature, Executive and Judiciary at the Centre and State level.
CO3: Acquire knowledge about Human Rights and enforcement mechanisms.
CO4: Apply their Knowledge and skills acquired to write the Civil Services Examination

129. 7BAH221: Basic Biological Processes – II

CO1: Understand and know the interaction of biological processes and behaviour. (L2)
CO1: Understand the emerging trends of interaction between mind and health.(L2)
CO1: Apply the process of Memory enhancement to real life.(L3)
CO1: Application of Processes involved in enhancing verbal and non verbal performance. (L3)
CO1: Apply the understanding of circadian rhythms in understanding human behaviour.(L3)

130. 7BAH226: Introduction to Linguistics

CO1:.Recognize the stressed and unstressed syllables in a word
CO2:Recognize inflexions and affixes in English
CO3:Recognize phonetic symbols and pronounce words as suggested in the dictionary
CO4:Identify word,clause,and sentence boundaries.
CO5:Recognize synonyms ,antonyms,homonyms and homophones

131. 7BAH223: ENGLISH-2

CO1: Identify the social, economic and the cultural context of the characters in the text .(L1)
CO2: Write short and extended academic essays and reviews of texts. (L3)
CO3: Use grammatical structures meaningfully and appropriately in their oral and written production. (L2)
CO4: Articulate their thoughts effectively while writing and speaking (L4)

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CO5: Use audio-visual techniques and strategies in their presentations. (L4)

132. **7BAH219– Professional Communication Skills**

CO1: Recall the different components in the process of communication (L1)
CO2. Understand the importance of listening (L2)
CO3: Use grammatical structures meaningfully and appropriately in oral and written production (L3)
CO4: Deliver formal and informal oral presentations to a variety of audience in professional contexts. (L4)
CO5: Produce clear, coherent pieces of written communication in professional context. (L3)

133. 7BAH216: British Literature – II

CO1:Develop knowledge and understanding of the roles played by various forms of writing in European Romanticism.
CO2:Gain an understanding of themes and genres particularly poetry, essays and Novels.
CO3:Develop an idea of how literature in the UK evolved.
CO4:Gain knowledge on the variety of themes dealt in British Literature
CO5:Gain an insight into feminist discourse which questioned the dominant patriarchal values in the society.

134. 7BAH224: **Introduction to Travel Writing**

CO1: Describe travel writing as a literary writing form
CO2: Gain an insight into the mechanics of travel writing
CO3: Understand travel writings' reflection of society in a broader perspective
CO4: Demonstrate travel writing works from their own experiences

135. 7BAH209: Reporting and editing for Print

CO1. Understand the role, function and qualities of reporter (L2)
CO2 Apply the news structure in writing news stories and features (L3)
CO3 Understand the working of newspaper organization (L2)
CO4 Plan the interview for feature stories (L3)
CO5 Identify the objectivity and politics of news (L3)

136. ULSI201: Functional English

CO1: Develop skills to use the English language effectively both in writing and speaking
CO2: Identify areas of weaknesses and clearly understand ways improve upon them
CO3: Apply the knowledge in various situations, like while participating in a debate or attending an interview

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CO4: Build a repertoire of skills in the language over time and exude confidence among peers and superiors
C05: Make use of the English language within the culturally bound conventions of academic writing and
public speaking

137. 7BAH316: AMERICAN LITERATURE

CO1: Remember the renowned authors and their works from American Literature
CO2: Understand the variety of themes dealt in American Literature
CO3: Analyse the dominant genres in American Literature
CO4: Assess the socio-cultural-literary scenario of the US.

138. 7BAH321: Developmental Psychology – I

CO1: Understand and know the Psychosocial development across the LifeSpan . (L2)
CO2: Understand the emerging trends of how early developmental lag influences behaviour. (L2)
CO3: Apply the Early developmental knowledge to later developmental deficits. (L3)
CO4: Application of the stages of development to Learning and Maturation (L3)
CO5: Discuss the theories developed in the field of Cognition.(L3)

139. 6BBA305: **DISASTER MANAGEMENT**

CO1: Apply different Concepts of disaster and Management (L2)
CO2: Apply different Concepts of disaster and Management. (L3)
CO3: Identify causes and effect of various types of Disasters. (L3)
CO4: Monitor and evaluate plan for disaster mitigation and response. (L4)
CO5: Analyze disaster management plan in India (L4)

140. 7BAH317: BRITISH LITERATURE – III

CO1: Understand and analyze the structure, themes and other elements of Victorian poetry.
CO2: Read, understand and analyze modern English prose and short fiction.
CO3: Identify and analyze the features of Spoken and Written discourse.
CO4: Critically analyze diversifying themes and techniques of different periods in British Literature

141. 7BAH314 : Introduction to Broadcast Media – Television

CO1. Understand the working of Television channel in India (L2)
CO2. Identify and analyze the different Television news programme formats (L4)
CO3. Outline the various stages involved in television news programme (L3)
CO4. Construct news story for television news Programme (L3)
CO5. Understand and discuss the current situation of Television broadcasting in India (L2)

142. 7BAH324: Introduction to History of English Language & Literature

CO1: understand the origin and growth of the English Language
CO2: understand the nuances and hybrid nature of the English literature
CO3: comprehend the socio-cultural influences on language and literature
CO4: gain an understanding about the varieties of English Language and literature
CO5: get an idea about answering multiple choice questions in a time based manner based on language and literature

143. ULSI301: Aptitude Skills

CO-1: Apply number theory methods for quick calculation and manipulation of numbers
CO-2: Solve problems of various arrangements (Circular and Linear)
CO-3: Apply the concepts of ratio, proportions, percentages, and averages to calculate class /set relationship
CO-4: Utilize the concept of work-time-efficiency and distance-time-speed to solve problems
CO-5: Illustrate their conceptual knowledge of blood relationships
CO-6: Identify and make use of English grammar to understand problems relating to verbal ability

144. 7BAH421: Developmental Psychology – II

CO1: Understand and know the changes in life due to Maturity. (L2)
CO2: Understand the emerging trends of how unhealthy lifestyle choices influences behavioural outcome.(L2)
CO3: Apply the theories for a successful life in Adulthood .(L3)
CO4: Application of how to adjust and predict change . (L3)
CO5: Discuss that Knowledge gain can give rise to better vocational choices .(L3)
CO6: Applying the dynamics in better career choices (L3)

145. 7BAH414: American Literature & Facets of Language

CO1: Understand and analyze the structure, themes and other elements of American poetry
CO2: Read, understand and analyze modern American prose and short fiction.
CO3: Read, understand and analyze the themes, techniques and structure of American drama.
CO4: Identify and analyze the features of Literary discourse.

146. 7BAH409: Advertising and Public Relations

Understand the crucial role of public relations, advertising and corporate communications in local, national and international arena. (L2)
Conduct an in-depth study of CSR projects which will add to the knowledge and value of student development, thus making them socially aware. (L4)

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Understand the strategies and innovative ideas that drive public relations. (L2)
Apply the concepts learnt in conducting press conferences and usage press tools. (L3)
Construct advertisements for various media platforms. (L3)

147. 7BAH413: Personality and Life Skill Development

CO1. The students will be able to build trust by developing mutual respect with people aroundthem.
CO2. The students will develop confidence by mastering the seven steps to positive thinking and be successful by turning weaknesses into strengths.

148. 7BAH415: European Literature

CO1: To understand and analyze the literary works of European literature.
CO2: To understand and analyze the different critical theories in European literature.
CO3: To apply and make their own perspectives on the literary works using different critical theories.
CO4: To understand the significance of socio-cultural aspects of literature in Europe.
CO5: To gain an insight on different themes of European literature.

149. 7BAH424: BUSINESS COMMUNICATION SKILLS

CO1: Read and retrieve essential pieces of information from documents related to business environment.
CO2: Prepare written documents (email, letters, proposals reports etc) related to commerce and management with grammatical accuracy and in appropriate style.
CO3: Interact with fellow members in group discussion, presentations, business meetings etc. in both routine and non-routine situation.
CO4: Express them in language appropriate for the occasion.
CO5: Contribute effectively to meetings and seminars within own area of work and give effective presentations.

150. ULSI401: Soft Skills

CO1: Apply the concepts and understanding, in their day to day lives more consciously
CO2: Identify their areas of strengths and weaknesses, and work on them systematically
CO3: Make use of the knowledge to become well rounded individuals

151. 7BAH522:INDUSTRIAL PSYCHOLOGY - I

CO1: Understand how Industrial Psychology has evolved. (L2).

CO2: Evaluate the procedures to develop motivation in Employees. (L3).
CO3: Apply the techniques of Team building and Leadership. (L3).
CO4: Application of Journal .(L3)
CO5: Examine issues related to personal assessment(L3)

152. 7BAH503 : Writing in Translation: India

CO1: To engage with writings in Translation. (L1,L2)
CO2: To trace the historical, socio-cultural and political context of 'Bhasha' literatures. (L2,L3)
CO3: To sketch the trajectory of Indian literature and problematizes the category and nomenclature.(L1,L2,L3)

153. 7BAH527 : CRITICAL THEORY

CO1:This paper is a survey of the historical development of theory and criticism from the classical to the Victorian times (L1)
CO2:The paper gives an overview of Modern and Contemporary Schools and Movements (L1 & L2)
CO3: It engages with critique in the theoretical and literary sense across time (L1 & L3)

154. 7BAH528 : POST- COLONIALITY

CO1: Exploration of native writings specific to Africa, Latin America, Native America and the Caribbean. (L1,2&3)
CO2: Focus on hitherto lesser known and unexplored areas that construct and critique native experiences alongside mainstream writers namely Walcott, Marques, Fanon, Achebe, Ngugi Wa Thiango. (L4)
CO3: To introduce students to an assortment of literary texts, documentaries, films and journalistic writings. (L5)

155. 7BAH510: DOCUMENTARY MAKING AND FILMS

CO1. Understand the of history and development of Films
CO2. Prepare Script, Storyboard screenplay and budget for a film/Documentary
CO3. Carryout the shoot for film/Documentary
CO4. Construct the story with audio and video through editing
CO5. Apply new trends in film making

156. 7BAH532– ENVIRONMENT AND SUSTAINABILITY

CO1: Discuss the importance of environmental protection and global warming.
CO2: Analyse the importance of sustainability

157. 7BAH529 : Internship (English)

CO1: The ability to ideate and recreate
CO2: The ability to proofread and edit content
CO3: The ability to critique visuality and written texts
CO4: The ability to contemporize and historicize

158. ULSI501: Finishing School Skills

CO1: Understand the importance of behaviour in the business world and adapt these to fit the corporate culture
CO2: Develop a formal dressing sense
CO3: Understand the importance of diction and brevity in Resume writing
CO4: Apply the nuances involved in Group Discussions
CO5: Attend Personal Interviews with confidence

159. 7BAH622: Industrial Psychology II

CO1: Understand how Industrial Psychology has evolved. (L2).
CO2: Evaluate the procedures to develop motivation in Employees. (L3).
CO3: Apply the techniques of Team building and Leadership. (L3).
CO4: Application of Journal .(L3)
CO5: Examine issues related to personal assessment(L3)

160. 7BAH612: Online Journalism

CO1. Understand the key technical concepts in online journalism (L2)
CO2. Create web pages for a blog or website (L6)
CO3. Creating and hosting news portals (L6)
CO4. Develop an understanding in reporting of online news stories. (L3)
CO5. Analyze the functioning of various news portal (L4)

161. 7BAH631 : Gender and Literature

CO1: The paper attempts to revisit what gender studies is in the 21st century focusing on exploring the multi-faceted concept of ‘gender' through visual and written texts. (L1,L2)
CO2:The texts listed out discuss notions of “gender mainstreaming “, (L2.L3)
CO3: The critique and construct of feminist knowledge, cultural representation of men, women and the “other” to name a few. (L1,L2)
CO4: Scholarship around gender proliferates and discussions around and approaches to gender studies renews across time and space.

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**				**PSO**				
	1	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**5**
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162. 7BAH629 : CITY NARRATIVES

CO1: To introduce students to the city of Bangalore and its representations through genre of a variety of kinds (L1,L2)
CO2: To Historicize the city of Bangalore (L2,L3)
CO3: To contemporize the city (Ideation and argument mapping(L1,L2,L3,L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**				**PSO**				
	1	**2**	**3**	**4**	**1**	**2**	**3**	**4**	**5**
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163. 7BAH632 : Writing

CO1: Develop critique, and write essays.(L1,)

CO2: Analyze a case and arrive at structural modes through which problems can be solved in the case.(L1,L2)
CO3: Construct arguments after evaluating the object, and provide a point of view to support claims made. (L3,L4)

164. 7BAH603: Project work (Dissertation and Viva-voce) – English

CO1: Students will be equipped with the mechanics of research writing
CO2: Students will understand the crucial role of methodology in research and familiarize themselves with different kinds of research methods and methodology
CO3: Students will learn to practice scientific and ethical conduct throughout the research
CO4: Students will learn to be proactive and be objective towards their research and develop professional relationships as they come in contact with their guides often
CO5: Students will be able to discover, interpret, and communicate new knowledge through original research and contribute alternative and challenging discourses to the already existing literature in the canon

MASTER OF SOCIAL WORK

165. 7MSWC5011: Introduction to Social Work Profession

CO1: To understand the innovative concepts of social welfare, social reforms and action in the field of social work. (Level 3)
CO2: Understand and interpret the history of the social work profession and its contemporary structures and issues. (Level 2)
CO3: To apply the ideologies of Indian reformers with empirical evidence in social reforms and upliftment of grass root level. (Level 3)
CO4: Understand the values ethics principles and demands of practising social work as a profession (Level 2)
CO5: Critically analyse evolution and development of social work education in India
(Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	PO						PSO				
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166. 7PSYC5021: Behavioural Statistics-I

CO1. To understand and know the relevance of statistics in behavioural science research. (Level 2)
CO2. To demonstrate the knowledge to quantify data. (Level 3).
CO3. To demonstrate the knowledge in analysing and interpreting the data. (Level 3)
CO4. To analyse and interpret data sets in charts, graphs and distributions. (Level 4)
CO5. To evaluate the relationship between data sets (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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167. 7MSWC5021: SOCIAL WORK WITH INDIVIDUALS

CO1: Understand the process involved in social work in individualized situations. (Level 2)
CO2: Apply skills and methods in working with individual clients as well as family systems. (Level 3)
CO3: Understand and apply multi-dimensional approach in assessment(Level 2)
CO4: Apply the models of Social Work Intervention with individuals' practice in different settings. (Level 3)

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CO5: Develop the ability to critically analyze the problems of individuals and families and factors affecting them(Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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4					*					*	
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168. 7MSWC5031: SOCIAL WORK WITH COMMUNITY

CO1: Develop understanding regarding community organization as a method of social work(Level 2)
CO2: Enhance the understanding of the roles of the agencies and community organizer. (Level 2)
CO3: Enhance critical understanding of the models and strategies for community organization. (Level 2)
CO4: Apply perspective and skills for participatory processes in the community and civil Society. (Level 3)
CO5: Understand and assess the needs of the community and to link them with the resources. (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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169. 7MSWC5041: HUMAN GROWTH AND DEVELOPMENT

CO1: Apply the knowledge of human development in understanding human behaviour. (L3)
CO2: Understand the repercussion of deficit human development on personality. (L2)
CO3: Critically analyse the different theories in understanding human behaviour in social context. (L4)
CO4: Understand and acquire the proficiencies of human development in the field of social work. (L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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2	*							*			
3		*						*			
4			*						*		

170. 7MSWC5051: SOCIAL WORK WITH GROUPS
CO1. Analyze group dimensions as a method of Social Work. (L4)
CO2. Comprehend the scope of working in groups in various social settings. (L2)
CO3.Apply professional skills in dealing with diverse groups. (L3)
CO4.Develop and practice skills in: decision making, problem solving, values clarification, communication, critical thinking, negotiation, conflict resolution, and teamwork. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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171. 7PSYC6111:RESEARCH METHODOLOGY

CO1: To define and distinguish among the principles, techniques and methods involved in research. (L2)
CO2: To apply the knowledge of various methods of research design and sampling techniques while conducting research. (L3)
CO3: To critically analyse research methodologies identified in existing literature. (L4)
CO4: To apply the scientific principles of research methodology for various research projects. (L3)
CO5: To evaluate research questions, hypothesis, data and findings. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
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172. 7PSYC6121: Behavioural Statistics – II

CO1: To understand and distinguish the different methods of inferential statistics. (L2)
CO2: To analyse the distribution and significance of the data using appropriate statistical methods. (L4)
CO3: To apply the knowledge of testing hypotheses and levels of significance using appropriate statistical methods. (L3)
CO4: To critically analyse the application relevant statistical methods based distribution of data and sampling. (L4)
CO5: To evaluate the underlying assumptions of statistics for data analysis. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping					
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173. 7MSWC5061: SOCIAL JUSTICE AND HUMAN RIGHTS

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CO1: Gain a theoretical understanding of different approaches towards social justice. (L2)
CO2: Apply human rights framework for understanding issues and understand empowering processes for the marginalized sections of the society (L3)
CO3: Develop knowledge, attitudes and skills required for working with marginalized and vulnerable constituencies and to create just society (L2)
CO4: Acquire a critical understanding of institutional mechanisms and systems for attainment of social justice and protection of human rights (L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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174. 7MSWC5071:Social Work and Disaster Management

CO1: Organize and participate in community pre-disaster planning and management. (L3)
CO2: Plan and develop interventions focused on vulnerable groups.(L6)
CO3: Apply critical skills of emergency planning and management in disaster situations and rebuilding of communities.(L3)
CO4: Acquire skills in identifying and responding to a wide range of emotional and psychological problems in post-disaster situations. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping

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175. 7MSWC5081: SOCIAL DEFENCE AND CORRECTIONAL SERVICES

CO1: Understand the philosophy, approaches and relevance of community based programmes in social defense.(L2)

CO2: To acquire skills in learning through practice in institutional and community based correctional and preventive programmes.(L2)

CO3: Coordinate in developing a uniform policy for prevention and of crime and treatment of offenders (L2)

CO4: Analyse and evaluate the implementation of social defense policies and programmes(L4)

CO5: Develop preventive and rehabilitative policies in the field of social defense(L6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
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176. 7SWMP6011: Introduction to Medical and Psychiatric Social Work

CO1: To differentiate between roles and responsibilities in different domains of social work such as medical and psychiatric. (L4).

CO2: To identify the various Governmental and Non-Governmental healthcare services provided to rural and urban communities (L1).

CO3: To apply the knowledge of various approaches and models with regards to management and physical disabilities (L3).

CO4: To classify mental disorders and its impact on various domains such as individual, family and community. (L3).
CO5: To understand the role and function of a professional social worker in the functions of medical and psychiatric health settings (L2).

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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177. 7SWMP6021: SOCIAL WORK PRACTICE AND HEALTH CARE DELIVERY

CO1: To have a repertoire of social work skills, techniques and methods in addressing the public and mental health in the community.(L2)
CO2: To have an in-depth knowledge of National ordinances programs, policies and legislations in India.(L2)
CO3: To enable students to create (community mental and public health models in addressing social health care issues.(L6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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.178. **7SWMP6031: Public Health and Development**
CO1: To understand the role of health in development(L2)
CO2: To analyse the public health challenges in India (L4)

CO3: To evaluate the role of community nutrition in improving human health (L5)
CO4: To apply public health laws, ethics and human rights. (L3)
CO5: To apply critical social work interventions in promoting health and sustainable development (L3).

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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179.7SWMP6041: Child and Adolescent Mental Health

CO1: To understand the development of mental disorders in children and adolescents (L2)
CO2: To evaluate social issues related to children and adolescents and the challenges faced by them (L3)
CO3: To implement social work practice in hospitals and at the community level. (L3)
CO4: To understand policies, legislations & mental health programmes (L2)
CO5: To analyse preventive, promotive and remedial approaches in school mental health programme (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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180. 7SWCD6051: Introduction to Community Development
CO1: Students will be able to understand the relevance of rural urban & tribal community development.(L2)
CO2: Students will be able to understand the issues with regard to different community problems.(L2)
CO3: Apply different methods for the upliftment of urban, rural & tribal communities.(L3)
CO4: Students will be able to evaluate the role of various stakeholders involved in community development.(L5)
CO5: Create opportunities for urban, rural, and tribal culture and the aspects of their empowerment (L6)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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181. 7SWCD6061: Tribal Community Development
CO1: Understand the importance of different domains.(L2)
CO2: Assess the impact of globalization, privatization (L4)
CO3: Discuss, implement national policies for the upliftment of tribal communities(L3)
CO4: Understand the importance of integration of different policies for the resettlement, rescue(L2)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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182. 7SWCD6071: Policies & programmes for development
CO1: To understand models of social policy and its applicability in Indian context (L2) (L3)
CO2: To understand about rural & urban developmental programs (L2)
CO3: To evaluate national policies and programmes for children (L5)
CO4: To analyse the constitutional and institutional responses with respect to marginalised group (L4)
CO5: Application of welfare schemes, policies and programmes for elderly (L3)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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182. 7SWCD6081: Youth Development
CO1: To understand about the status of youth (L2)
CO2: To evaluate youth led sustainable development in the focus areas of health and population dynamics, education and skill development, gender equality and women empowerment, peace and non-violence and climate(L5)

CO3: To analyse Community engagement framework for youth development (L4).
CO4: To apply approaches and models of youth work (L3)
CO5: To understand the youth policy and programmes for youth and adolescent development (L2)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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183. 7PSYH6061: HRM
CO1: Students should be able to understand and know Human Resource Management and Development issues in Organization. (L2)
CO2: Examine the current issues, trends and processes in human resource management. (L3)
CO3: To appraise issues regarding promotional growth and transfer. (L5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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184. 7PSYH6081: Leadership and Development
CO1: Understand and know the relevance of core competencies of an effective leader. (L2)
CO2: To gain self-awareness of personal leadership style, strength and personality for the purpose of effective team leadership. (L2)
CO3: To differentiate between different styles of leadership. (L3)

CO4: To apply appropriate leadership style according to the situation or change in an organisation. (L3)
CO5: To evaluate pros and cons of different leadership styles in people management. (L5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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185. 7PSYH6111: HRD
CO1: Demonstrate knowledge about fundamental principles, generalizations, and/or theories and concepts in advanced human resources management. (L2)
CO2: Use and explain the meaning for factual knowledge (terminology, methods, trends) such as understanding and addressing the increasing multi-generational issues, and implementing a retention strategy that addresses the needs of all generations. (L2)
CO3: Apply the principles to effective HR consulting skills. (L3)
CO4: Understand the conceptual framework of Human Resources and its applications in decision making under various environmental constraints. (L2)
CO5: Design effective training and retention strategies for the growth of the human resource of the organisation. (L4)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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186. 7PSYH6141: Performance Management

CO1: Systematically formulate and communicate performance management's aims, objectives, priorities and targets in accordance with business function. (L6)
CO2: Plan effective performance management policies and practices to improve organisational and employee performance. (L6)
CO3: Assess how increased employee involvement can contribute to effective performance and coach employees to identify career paths and resources available to support individual development. (L5)
CO4: Demonstrate the communication skills required in managing high performers and low performers. (L3)
CO5: Critically evaluate the effectiveness of performance management. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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187. 7MSWC5091: Social Work with Family and Children

CO1.Know and understand about the functions and the theoretical models of functioning of family (L2)
CO2. Assess the nature, types, and causative factors of family problems (L5)
CO3. Apply the skills of theory in practice with families and children (L3)
CO4.Apply methods and models of social work intervention to promote change in families(L3)
CO5.Apply with the policies, programmes and services related to family and children.(L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
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188. 7MSWC5101: Social Policy

CO1: Ability to understand the importance of social policies and its right based provisions that bring about social justice.(L2)

CO2: Gain knowledge about different developmental approaches that debate about the policy framed, its importance and loopholes and also arrive at the possible solutions to reach out to the people in need.(L2) (L3)

CO3: Practice the values and ethics while working with the communities to identify their needs and frame tools to help themselves efficiently.(L4)

CO4: Analyze the schemes and policies that brought about change in the society and the measures used to work with different communities.(L4)

CO5: Ability to critically analyze and develop intervention strategies that could bring out possible solutions (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
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189. 7SWMP6131: Medical Psychiatry and Community Health

CO1. Identify the health indicators and understand the various governmental policies to improve the health status (L1)

CO2. Apply the knowledge on social workers role in various health settings (L3)
CO3. Identify and understand the health status of vulnerable groups and their right to health (L2).
CO4.Apply the knowledge and skills of a social worker in health care sectors (L3).
CO5. Evaluate the implications of globalization and privatization on health services concerning the Indian population (L5).

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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190. 7SWMP6141: Rehabilitation and Resettlement

CO1. To know and understand the importance of rehabilitation and resettlement in social work. (L2)
CO2.To assess and analyze the changing trends in psycho-social rehabilitation and resettlements (L4)
CO3.To differentiate between the policies and procedure of institutionalised and de-institutionalised based rehabilitation settings (L4)
CO4.To apply the ethical and professional skills in reestablishing and resettlement of individuals in the community.(L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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191. 7SWMP6151: Social Work Practice in Mental Health

CO1: Able to understand work in the field of mental health (L2)
CO2: Able to understand theoretical concept on mental illness (L2)
CO3: Able to apply knowledge on diagnosis & treatment (L3)
CO4: Able to apply and Analyze psycho social intervention (L3) & (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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192. 7SWMP6161: Social Work Practice with Older Persons
CO1: Able to understand the trends in Elderly population of India. (L2)
CO2: Able to analyze details on Problems and Elderly Abuse.(L4)
CO3: Able to understand the role of caregivers of elderly.(L2)
CO4: Able to disseminate the welfare programmes on elderly.(L3)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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193. 7SWCD6171: Welfare and Development of Weaker Sections & Minorities
CO1. Able to understand the status, issues and problems associated with vulnerable, Marginalized and Underprivileged sections of the society (L2).
CO2.
Assess the legislations enacted for the welfare and empowerment of the minorities and weaker sections (L5).
CO3.Identify and analyze the problems faced by the weaker sections and minorities in the society (L4).
CO4.Describe the legal aspects related to protection, welfare and empowerment of women and children (L1).

CO5. Create motivation among students for ethical social work practice with Vulnerable, Marginalized and Underprivileged sections of the society (L6).

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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194. 7SWCD6181: Gender Development

CO1.Evaluate the theoretical perspective of gender disparity at the local and global level (L5).
CO2.Describe the different aspects of feminist theories and types of feminism to the students (L1).
CO3.Differentiate between first wave, second wave and third wave of feminism (L4).
CO4.Know and understand the various women development programs in India (L2).
CO5. Appraise the role of NGO's in mobilizing, networking and advocating micro finance at the grass root level (L5).

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
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195. 7SWCD6191: Strategies for Community Development

CO1:Create awareness about the development and generate new insights that can overcomes current challenges in communities (L2)

CO2:Understanding of the community development tools within national policy frameworks(L3)

CO3: Enriching the knowledge on various Development strategies and tools of community(L3)

CO4: Understand and apply the various roles and strategies of communities and community development workers(L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
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195. 7SWCD6201: Participatory Approaches to Micro Planning

CO1: Apply Relationship between governmental policies and community planning. (L2)

CO2: Understand the relationship between the Local Self Government and the community.(L3)

CO3: Synthesize understanding of the basic concepts of planning in community. (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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196. 7PSYH6161: Compensation Management
CO1: Evaluate the underlying Compensation Philosophies of different organizations, aligned with their culture and business goal as a deciding factor for compensation of employees for different functions and levels across the organizations (L5).
CO2: Identify the significance of the issues of compensating human resources by creating Equitable Pay Systems in organizations (L6)
CO3: Learn the principles, method and techniques of designing and implementing Market Competitive Compensation Systems(L3)
CO4: Analyze, integrate, and apply the knowledge to solve compensation related problems in organizations (L4)
CO5: Demonstrate comprehension by constructing a compensation system encompassing; internal consistency, external competitiveness, employee contributions, organizational benefit systems, and administration issues (L3, L6).

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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197. 7PSYH6181: Industrial Relations and Labor Laws
CO1: To define labour welfare and list the related terms. (L1)
CO2: To apply the labour policies in the organization (L3).
CO3: To discuss the constitutional aspects of industrial jurisdiction (L3).
CO4: To verify the wages, working conditions & social security (L5).
CO5: To explain the workers' participation in management (L2).

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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198. 7PSYH6201: Strategic Management

CO1: Describe major theories, background work, concepts and research output in the field of strategic management. (L2)
CO2: Demonstrate a clear understanding of the concepts, tools & techniques used by executives in developing and executing strategies (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
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199. 7PSYH6221: Organizational Development and Intervention
CO1: Students should be able to understand and know conceptual knowledge in OD. (L2)
CO2: Examine current issues, trends, practices, values and beliefs in OD. (L3)
CO3: To analyse and apply effective managerial skills in the OD process. (L3)
CO4: To appraise issues regarding different models in managing change. (L5)
CO5: To design and develop appropriate OD intervention according to the organisation requirements. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping

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200. 7SWMP6251: Social Work with Persons with Disabilities

CO1: Able to Understand different disabilities and impairments (L2)
CO2: Able to apply theoretical models & approaches with challenged clients. (L3)
CO3: Able to educate the impacts of disability on individuals & families. (L3)
CO4: Able to develop skills in social work interventions (L3)
CO5: Able to develop intervention strategies and engaging policies (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
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201. 7SWMP6261: Clinical Social Work

CO1: Develop an understanding of the nature, causes, types and treatment of community health and mental health disorders in children, adolescents and adults. (L2)
CO2: Acquire knowledge of socio-cultural factors influencing mental and physical health. (L3)
CO3: Develop a critical understanding of legal and ethical issues in clinical social work.
CO4: Able to develop understanding and expected competence about the task, role and function of clinical social work in various settings.(L2)

CO5: Able to develop understanding on Legislation & Health Policy in India.(L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
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202. 7SWCD6271: Indigenous Communities and Development Discourse

CO1: Understand the concept of "indigenous people", how the law has defined the category and the limitations of a definitional approach. (L2)

CO2: Students will gain an understanding and awareness of historical legislation and policies as they pertain to Indigenous people. (L3)

CO3: Understand the human rights challenges faced by the indigenous peoples.

CO4: Students will enhance their skills to include an "Indigenous" lens when looking at social policy issues and decolonization systems to facilitate positive change for Indigenous people.

CO5:Be able to engage critical thinking and cultural empathy in order to better serve Indigenous people and communities in India.

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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203. 7SWCD6281: Project Cycle Management

CO1: Students will be able to apply principles in the phases of development projects. (L3)
CO2: Students will be able to apply techniques in formulating & implementing projects(L3)
CO3: Students will develop skills in writing proposals and managing projects(L3)
CO4: Abe to understand the concept & importance of participatory planning.(L2)
CO5: Able to understand steps in organizing participatory training programs.(L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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204. 7PSYH6291: Entrepreneurship Management

CO1: To have a knowledge of current information, theories and models, and techniques and practices in Entrepreneurship (L2)
CO2: Demonstrate knowledge of the legal and ethical environment impacting business organizations and exhibit an understanding and appreciation of the ethical implications of decisions (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	**PO**	**PSO**

	1	2	3	4	5	6	1	2	3	4	5
1	*					*					
2			*					*			
3						*					

205. 7PSYH6301: Labour Welfare and Labour Legislation
CO1. Define labour welfare and list the related terms (L1)
CO2. Apply the labour policies in the organization (L3)
CO3. Discuss the constitutional aspects of industrial jurisprudence (L3)
CO4. Verify the wages, working conditions and social security (L5)
CO5. Explain the workers participation in management (L2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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2			*					*			
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206. 7INTS7010: Internship I
CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitized toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.

CO-PO-PSO Mapping

CO-PO-PSO Mapping

CO	PO						PSO				
	1	2	3	4	5	6	1	2	3	4	5
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2			*				*				
3			*					*			
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5			*					*			

207. 7INTS7020: Internship II

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3) **CO2**: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)

CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)

CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement.

CO5: Students will be professionally ready to deal effectively in the environment.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	PO						PSO				
	1	2	3	4	5	6	1	2	3	4	5
1	*					*					
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208. 7INTS7030: Internship III

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)

CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)

CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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3						*					

209. 7INTS7040: Internship IV
CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitized toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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210. 7DISS7010: Dissertation

CO1: Students will be able to apply theoretical knowledge, research methodology and statistics in practice.
CO2: Students will be able to demonstrate statistical and research training in implementing an appropriate research procedure in their area of interest
CO3: Students will be able to score, analyze and interpret the data obtained.
CO4: Students will be able to acquire coherent and logical understanding and demonstrate competence in analyzing and discussing the results and report writing.
CO5: Students will be able analyze and synthesize research findings, its implication, limitations within the ethical guidelines of APA and publish the research.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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School of Social Science and Humanities
M. Sc. Psychology (HRDM) Programme

211. 7PSYC5011: PERSONALITY THEORIES

CO1: To understand the relevance of personality in defining human behaviour. (Level 2)
CO2: To differentiate between major theoretical approaches to personality. (Level 2)
CO3: To assess and analyse the different dimensions of personality. (Level 4)
CO4: To evaluate suitable methods of personality assessment (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping

CO	PO						PSO					
	1	2	3	4	5	6	1	2	3	4	5	6
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212. 7PSYC5021: Behavioural Statistics-I

CO1: To understand and know the relevance of statistics in behavioural science research.(Level 2)
CO2: To demonstrate the knowledge to quantify data. (Level 3).
CO3: To demonstrate the knowledge in data distribution. . (Level 3)
CO4: To analyse and interpret data sets in charts, graphs and distributions. (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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213. 7PSYH5011: Learning and Development

CO1: To demonstrate the knowledge of different theoretical concepts of human learning. (Level 3)
CO2: To define and understand different perspectives of human learning. (Level 2)
CO3: To analyse the learning which occurs in personal, professional and social situations based on principles of learning. (Level 4)
CO4: To apply the theoretical expertise in various settings. (Level 3).
CO5: To evaluate the impact of learning theories on different aspects of human life.

(Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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5												

214. 7PSYH5021: INDUSTRIAL PSYCHOLOGY

CO1: To understand and integrate the main concepts of psychology in the area of Industrial settings.(Level 2)
CO2: To apply the understanding of human uniqueness in organizational growth (Level 2).
CO3: To analyse how the theories and empirical evidence can help to promote talents in an organization (Level 4).
CO4: To facilitate a critical evaluation of organizational practices and their impact on work behavior, attitudes and performance (Level 5)
CO5: Equipped to validate and develop a job specific selection design, a thorough and systematic competency model (job analysis), job specific training program (Level 5).

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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215. 7PSYH5031 : ORGANIZATIONAL BEHAVIOR

CO1: To understand and integrate theoretical knowledge of psychology in organizational behavior. (Level 2)

CO2: Assess the potential factors that affect organizational structure, communication, culture and design. (Level 5)

CO3: To critically evaluate organizational practices and its impact on employees behavior, motivation, attitudes and performance. (Level 5)

CO4: Students will be able to analyze the emerging trends in understanding contemporary and modern organizational challenges. (Level 4)

CO5: To be able to apply management skills and training in dealing with organizational change and development. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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216. 7PSYH5041: Mental Health at Work Place

CO1: To discuss the signs and symptoms of mental illness and other forms of psychological and behavioural dysfunction in the workplace. (Level 2)

CO2: To understand DSM-5 and ICD-10 nosological system for the classification and diagnosis of psychological disorders (Level 2)
CO3: To demonstrate skills of identifying symptoms, causes and treatment for psychological disorders such as organic, mood, neurotic, stress, somatoform and personality disorders. (Level 3)
CO4: To analyse the complex factors that contribute to psychological and behavioural dysfunction. (Level 4)
CO5: To critically evaluate different conceptual approaches to etiology and treatment of mental disorders. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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217. 7PSYC5081: PERSONALITY ASSESSMENTS (Practical)
CO1: To define the concepts and assessment procedures in personality assessment. (Level 1)
CO2: To understand the application of assessment of personality in different fields (Level 2)
CO3:To demonstrate skills in assessing various dimensions of personality (Level 3)
CO4:To analyse and interpret the results assessment of personality (Level 5)
CO5:To summarize reports based on personality assessment (Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**

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218. 7PSYH5051: Mental Health in Workplace (Practical)

CO1: To define the concepts and assessment procedures in psychopathology assessment for adults (Level 1)
CO2: To understand the application of psychopathological assessment for various mental health and behavioural problems in adults. (Level 2)
CO3: To demonstrate skills in assessing various forms of psychopathology in adults. (Level 3)
CO4: To analyse and interpret the results of assessments for diagnosis and treatment plan (Level 5)
CO5: To summarize reports based on the assessment (Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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219. 7PSYC6111: RESEARCH METHODOLOGY

CO1: To define and distinguish among the principles, techniques and methods involved in research. (Level 2)
CO2: To apply the knowledge of various methods of research design and sampling techniques while conducting research. (Level 3)
CO3: To critically analyse research methodologies identified in existing literature. (Level 4)
CO4: To apply the scientific principles of research methodology for various research projects. (Level 3)
CO5: To evaluate research questions, hypothesis, data and findings. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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220. 7PSYC6121: Behavioural Statistics – II
CO1: To understand and distinguish the different methods of inferential statistics. (Level 2)
CO2: To analyse the distribution and significance of the data using appropriate statistical methods. (Level 4)
CO3: To apply the knowledge of testing hypotheses and levels of significance using appropriate statistical methods. (Level 3)
CO4: To critically analyse the application relevant statistical methods based distribution of data and sampling. (Level 4)
CO5: To evaluate the underlying assumptions of statistics for data analysis. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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221. 7PSYH6061: HRM

CO1: They are able to understand and know Human Resource Management and Development issues in Organization. (Level 2)
CO2: Examine the current issues, trends and processes in human resource management. (Level 3)
CO3: To appraise issues regarding promotional growth and transfer. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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223. 7PSYH6071: Principles of Management

CO1: To demonstrate the knowledge of principles of Management. (Level 3)
CO2: To define and understand different perspectives and approaches towards Management. (Level 2)
CO3: To apply the theoretical expertise in various settings in Management. (Level 3).
CO4: To evaluate the implication of various managerial skills in organisation (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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224. 7PSYH6081: Leadership and Development
CO1: Understand and know the relevance of core competencies of an effective leader. (Level 2)
CO2: To gain self-awareness of personal leadership style, strength and personality for the purpose of effective team leadership. (Level 2)
CO3: To differentiate between different styles of leadership. (Level 3)
CO4: To apply appropriate leadership style according to the situation or change in an organisation. (Level 3)
CO5: To evaluate pros and cons of different leadership styles in people management. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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225. 7PSYH6091: Emotional Intelligence and Managerial Effectiveness
CO1: Explains the concepts and perspective of emotional intelligence (Level 2)
CO2: Demonstrates the application of emotional competencies in their personal and professional life (Level 3)
CO3: Describes the role of emotional intelligence and its effectiveness in the workplace (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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226. 7PSYH6101: International HRM

CO1: To integrate and evaluate different perspectives on IHRM. (Level 2)
CO2: Systematically define, categories, and analyze a broad range of issues and problems faced by MNCs in their IHRM strategies. (Level 4)
CO3: Use concepts and tools for explaining and developing theories and methods which can be integrated into practical applications of IHRM. (Level 2)
CO4: Will be able to articulate and synthesis the impact of IHRM in multinational companies (Level 3)
CO5: Critically reflect upon and evaluate ethical issues related to IHRM and formulate policies and innovative strategic management for dealing with emerging trends.(Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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5												

227. 7PSYH6111: HRD

CO1: Demonstrate knowledge about fundamental principles, generalizations, and/or theories and concepts in advanced human resources management. (Level 2)

CO2: Use and explain the meaning for factual knowledge (terminology, methods, trends) such as understanding and addressing the increasing multi-generational issues, and implementing a retention strategy that addresses the needs of all generations. (Level 2)
CO3: Apply the principles to effective HR consulting skills. (Level 3)
CO4: Understand the conceptual framework of Human Resources and its applications in decision making under various environmental constraints. (Level 2)
CO5: Design effective training and retention strategies for the growth of the human resource of the organisation. (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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228. 7PSYH6121: Integrated Talent Management
CO1:Define talent management and discuss the process aligned with talent management, organizational strategy and other HR practices (Level 1)
CO2: Develop the process for identifying high potential talent and formulate a database of talent to serve organizational present and future needs (Level 6).
CO3: Discuss and develop management strategies for the unique challenges and opportunities of TM resulting from globalization. (Level 6)
CO4: Map and Evaluate compensation and reward strategies for effective talent management in the challenging scenarios of retaining talent(Level 5)
CO5: Examine the processes for talent development and succession planning. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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229. 7PSYH6131: Organisational Change and Management

CO1: To understand and integrate the main concepts of change management and organisational development (Level 2)

CO2: Critically review the components and processes of organisational change and their implications for managers in contemporary and emerging organisations (Level 5)

CO3: Demonstrate, clearly articulate and facilitate a change management intervention within an organisation (Level 4)

CO4: Ascertain and develop change strategies for the individual, group, inter-group and organisation levels (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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230. 7PSYH6141: Performance Management

CO1: Systematically formulate and communicate performance management's aims, objectives, priorities and targets in accordance with business function. (Level 6)

CO2: Plan effective performance management policies and practices to improve organisational and employee performance. (Level 6)

CO3: Assess how increased employee involvement can contribute to effective performance and coach employees to identify career paths and resources available to support individual development. (Level 5)

CO4: Demonstrate the communication skills required in managing high performers and low performers. (Level 3)
CO5: Critically evaluate the effectiveness of performance management. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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231. 7PSYH6151: Business Ethics
CO1:Evaluate the application of fundamental ethical principles in the business decision-making and action taking (Level 5)
CO2:Be able to prepare a code of ethics as a statement of norms and beliefs, and shape the company and strategy in business practice companies (Level 5)
CO3:To understand the importance of ethics in business and business communication interpersonal relationships (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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232. 7PSYC5241: Basic Counseling Skills

CO1: To discuss the principles and elements of effective interviewing in counselling. (L2)
CO2: To develop appropriate counselling goals and design intervention strategies for an effective counselling process. (L4)
CO3: To demonstrate effective therapeutic relationships and professional boundaries. (L3)
CO4: To apply ethical and legal principles in the counselling process and the relationship. (L4)
CO5: To evaluate client outcomes and have a successful termination of counsellor-client relationships. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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233. 7PSYC5251: Basic Counseling Skills (Practical)

CO1: To identify the range of interpersonal skills required in the counselling process. (L1)
CO2: To understand the application of counselling principles to diverse populations. (L2)
CO3: To demonstrate skills in establishing a healthy counsellor-client relationship. (L3)
CO4:To develop an appropriate course of action in addressing mental health concerns (L4)
CO5:To evaluate the need for therapy and intervention (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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234. 7PSYH6161: Compensation Management

CO1: Evaluate the underlying Compensation Philosophies of different organizations, aligned with their culture and business goal as a deciding factor for compensation of employees for different functions and levels across the organizations (L5).

CO2: Identify the significance of the issues of compensating human resources by creating Equitable Pay Systems in organizations (L6)

CO3: Learn the principles, method and techniques of designing and implementing Market Competitive Compensation Systems(L3)

CO4: Analyze, integrate, and apply the knowledge to solve compensation related problems in organizations (L4)

CO5: Demonstrate comprehension by constructing a compensation system encompassing; internal consistency, external competitiveness, employee contributions, organizational benefit systems, and administration issues (L3, L6).

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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235. 7PSYH6171: Consumer Behavior

CO1: To understand how consumers make decisions, process information, develop preferences and make choices. (L2)

CO2: To apply concepts and theories of consumer behavior in contemporary marketing strategy (L3)

CO3: To apply the knowledge of consumer behavior to marketing(L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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236. 7PSYH6181: Industrial Relations and Labor Laws
CO1: To define labor welfare and list the related terms. (L1)
CO2: To apply the labor policies in the organization (L3).
CO3: To discuss the constitutional aspects of industrial jurisdiction (L3).
CO4: To verify the wages, working conditions & social security (L5).
CO5: To explain the workers' participation in management (L2).

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*					*	*	*				
2	*					*	*					
3	*					*	*					
4	*					*	*				*	
5	*					*	*					

237. 7PSYH6191: Entrepreneurship Management

CO1: To have a knowledge of current information, theories and models, and techniques and practices in Entrepreneurship (L2)

CO2: Demonstrate knowledge of the legal and ethical environment impacting business organizations (L3)

CO3: To exhibit an understanding and appreciation of the ethical implications of decisions (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*					*		*	*			*
2		*						*				
3		*						*	*			*

238. 7PSYH6201: Strategic Management

CO1: Describe major theories, background work, concepts and research output in the field of strategic management. (L2)

CO2: Demonstrate a clear understanding of the concepts, tools & techniques used by executives in developing and executing strategies. (L3)

CO3: To apply strategic skills in corporate/ industrial settings. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1			*							*		
2					*			*				
3	*								*			

239. 7PSYH6211: Diversity Management

CO1: To understand diversity and promote a culture of equality in the workplace (L2)
CO2: Apply research-based knowledge relevant to culture, race, religion, gender, sexual orientation and disabilities in assessing, planning, intervening, and acting as leaders with employees and employers in the broader community.(L3)
CO3: To demonstrate progressive, affective, social, ethical and cultural values and apply the same in corporate/industrial settings. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*		*						*			
2					*					*		
3			*									*

240. 7PSYH6221: Organizational Development and Intervention

CO1: Students should be able to understand and know conceptual knowledge in OD. (L2)
CO2: Examine current issues, trends, practices, values and beliefs in OD. (L3)
CO3: To analyse and apply effective managerial skills in the OD process. (L3)
CO4: To appraise issues regarding different models in managing change. (L5)
CO5: To design and develop appropriate OD intervention according to the organisation requirements. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*									*		
2		*							*			
3		*					*					

4					*		*					
5				*							*	

241. 7PSYH6231: HR Analytics
CO1: To understand the processes and practices HR analytics in the modern scenario (L2)
CO2: To demonstrate skills in implementing HR analytics to improve performance of individual employees as well as help the Management to achieve success. (L3)
CO3: To demonstrate skills related to HR Data Analytics. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1		*										
2	*				*		*		*			
3		*						*				

242. 7PSYC6361: Positive Psychology
CO1: To understand a variety of techniques designed to enhance happiness/subjective well-being. (L2)
CO2: To demonstrate an in-depth understanding of the range of positive psychology interventions to strengthen optimism, resilience and self-esteem. (L2)
CO3: To evaluate the difference between weaknesses and strengths and to emphasize on the strengths as an approach towards well-being. (L5)
CO4: To apply positive psychology techniques to enhance the wellbeing of individuals, groups, workplaces, communities and institutions. (L3)
CO5: To reflect and analyse on how a range of techniques in positive psychology affect experience, and contribute in the future to lasting happiness. (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	**PO**	**PSO**

	1	2	3	4	5	6	1	2	3	4	5	6
1			*		*							*
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3			*					*				
4			*				*	*	*			
5			*	*				*	*	*		

243. 7PSYC6371: Qualitative Research in Psychology

CO 1: To define and distinguish among the principles, techniques and methods involved in qualitative research. (L2)

CO2: To apply the knowledge of various Qualitative Data Collection Techniques Research. (L3)

CO3: To analyse data using data analysis softwares(L4)

CO4: To apply the scientific principles of qualitative research methods in various research projects. (L5)

CO5: To apply the techniques of qualitative research methods to develop understand the problems and develop interventions.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1	*										
2	*										
3											
4											*
5			*						*		

244. 7PSYH6251: Corporate Counselling

CO1: Explain the theoretical understanding of corporate culture, role of counsellor in an organization.
CO2: Differentiate among various counselling models.
CO3: Demonstrate the counselling process addressing issues relating to stress and motivation.
CO4: Apply and analyse the principles of different perspectives in counseling.
CO5: Be equipped with skills and competence required in counseling, interviewing and dealing with professional ethical and legal issues of corporate counseling.

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	PO						PSO					
	1	2	3	4	5	6	1	2	3	4	5	6
1	*		*	*		*	*	*				
2		*	*									
3			*			*	*		*			
4						*						
5			*						*			

245. 7PSYH6261: Corporate Counselling (Practical)

CO1: Able to demonstrate essential interviewing and counseling skills required for attaining appropriate counseling goals, design intervention strategies, evaluate client outcomes, and successfully terminate the counselor-client relationship. (L3)
CO2: Develop skills required to complete a comprehensive case conceptualization. (L4)
CO3: To demonstrate skills required to be a professional and competent corporate counselor. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	PO						PSO					
	1	2	3	4	5	6	1	2	3	4	5	6
1	*		*			*	*					
2			*									

3			*				*					
4				*				*		*		
5				*					*			

246. 7INTS7010: Internship I

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L5).
CO5: Students will be professionally ready to deal effectively in the environment (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1				*			*					
2				*							*	
3			*	*					*			
4							*					
5						*	*					

247. 7INTS7020: Internship II

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3) **CO2**: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L5)

CO5: Students will be professionally ready to deal effectively in the environment (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1				*			*					
2				*							*	
3			*	*					*			
4							*					
5						*	*					

248. 7INTS7030: Internship III
CO1: To apply the theoretical understanding of concepts, theories and interventions (L3) **CO2**: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement (L5)
CO5: Students will be professionally ready to deal effectively in the environment (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1				*			*					
2				*							*	
3			*	*					*			
4							*					

5						*	*					

249. 7INTS7040: Internship IV

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3) **CO2**: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)

CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)

CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement.(L5)

CO5: Students will be professionally ready to deal effectively in the environment (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1				*			*					
2				*							*	
3			*	*					*			
4							*					
5						*	*					

250. 7DISS7010: Dissertation

CO1: Students will be able to apply theoretical knowledge, research methodology and statistics in practice.(L5)

CO2: Students will be able to demonstrate statistical and research training in implementing an appropriate research procedure in their area of interest (L5)

CO3: Students will be able to score, analyse and interpret the data obtained(L5)

CO4: Students will be able to acquire coherent and logical understanding and demonstrate competence in analyzing and discussing the results and report writing. (L5)

CO5: Students will be able analyse and synthesis research findings, its implication, limitations within the ethical guidelines of APA and publish the research. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1			*				*					
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3			*						*			
4			*							*		
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251. 7PSYC5011: Personality Theories

CO1: To understand the relevance of personality in defining human behaviour. (Level 2)
CO2: To differentiate between major theoretical approaches to personality. (Level 2)
CO3: To assess and analyse the different dimensions of personality. (Level 4)
CO4: To evaluate suitable methods of personality assessment (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*			
2	*						*			
3	*		*				*			
4	*		*	*				*		

252. 7PSYC5021: Behavioural Statistics I

CO1:To understand and know the relevance of statistics in behavioural science research.(Level 2)
CO2: To demonstrate the knowledge to quantify data. (Level 3).
CO3: To demonstrate the knowledge in data distribution. . (Level 3)
CO4: To analyse and interpret data sets in charts, graphs and distributions. (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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2	*	*								*
3	*	*								*
4	*	*								*

253. 7PSYC5031: Biological foundations of Psychology
CO1: To define and identify the physiology of the human body. (Level 1)
CO2: To know and understand the basic human biological functioning. (Level 2)
CO3: To apply the theoretical understanding in analysing dysfunctions of brain (Level 4)
CO4: To acquire the understanding of biological bases of human behaviour (Level 2)
CO5: To assess and differentiate between normal and deviant functioning (Level 4)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*			
2	*		*				*	*		
3	*		*					*	*	
4	*						*			
5	*		*				*	*		

254. 7PSYC5051: Theories of Learning
CO1: To demonstrate the knowledge of different theoretical concepts of human learning. (Level 3)
CO2: To define and understand different perspectives of human learning. (Level 2)

CO3: To analyse the learning which occurs in personal, professional and social situations based on principles of learning. (Level 4)
CO4: To apply the theoretical expertise in various settings. (Level 3).
CO5: To evaluate the impact of learning theories on different aspects of human life. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*			
2	*		*				*	*		
3	*		*	*		*	*	*		
4			*	*		*		*		
5	*						*			

255. 7PSYC5071: Psychological Assessments and Interventions (Practical)
CO1: To define the methods and procedures of assessing human behaviour (Level 1)
CO2: To demonstrate skills in assessing cognitive and affective aspects of human behaviour. (Level 3)
CO3: To analyse and interpret the different aspects of human behaviour (Level 4)
CO4: To evaluate the results based on the assessments and develop appropriate intervention. (Level 5)
CO5: To summarize reports based on assessment by integrating psychological concepts. (Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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2			*					*		
3			*				*	*		

4	*		*					*		
5	*		*					*		

256. 7PSYC5081: Personality Assessments (Practical)
CO1: To define the concepts and assessment procedures in personality assessment. (Level 1)
CO2: To understand the application of assessment of personality in different fields (Level 2)
CO3: To demonstrate skills in assessing various dimensions of personality (Level 3)
CO4: To analyse and interpret the results assessment of personality (Level 5)
CO5: To summarize reports based on personality assessment (Level 6)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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2	*		*					*		
3			*			*		*		
4			*					*		
5			*			*		*		

257. 7PSYO5011: Theories of Counselling
CO1: Acquire in-depth understanding of different theoretical approaches (Level 1)
CO2: Understand the goals and techniques in different approaches (Level 1)
CO3: Differentiate between the different theoretical approaches to counselling (Level 1)
CO4: Assess and analyze based on each theoretical approach (Level 2)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**

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2	*		*				*			
3	*						*			
4	*		*			*		*	*	

258. 7PSYO5021: Lifespan Psychology
CO1: Grasp the relevance of a developmental perspective to human development (Level 1)
CO2: Understand and apply major theoretical concepts related to different domains of development across lifespan (Level 2)
CO3: Recognize major milestones, issues and challenges across lifespan (Level 3)
CO4: Identify and address developmental challenges or delays (Level 3)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*			
2	*		*				*	*		
3	*		*				*	*		
4	*		*				*	*		

259. 7PSYC6111: Research Methodology
CO1: To define and distinguish among the principles, techniques and methods involved in research. (Level 2)
CO2: To apply the knowledge of various methods of research design and sampling techniques while conducting research. (Level 3)
CO3: To critically analyse research methodologies identified in existing literature. (Level 4)
CO4: To apply the scientific principles of research methodology for various research projects. (Level 3)
CO5: To evaluate research questions, hypothesis, data and findings. (Level 5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	**PO**	**PSO**

	1	2	3	4	5	6	1	2	3	4
1		*				*				*
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3		*				*				*
4		*				*				*
5		*				*				*

260. 7PSYC6121: Behavioural Statistics- II

CO1: To understand and distinguish the different methods of inferential statistics. (Level 2)
CO2: To analyse the distribution and significance of the data using appropriate statistical methods. (Level 4)
CO3: To apply the knowledge of testing hypotheses and levels of significance using appropriate statistical methods. (Level 3)
CO4: To critically analyse the application relevant statistical methods based distribution of data and sampling. (Level 4)
CO5: To evaluate the underlying assumptions of statistics for data analysis. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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3		*				*				*
4		*				*				*
5		*				*				*

261. 7PSYC5131: Psychological Testing

CO1: To define principles of quantifying human behaviour (Level 1)
CO2: To discuss and distinguish the various methods of testing reliability and validity (Level 2)
CO3: To demonstrate the knowledge of psychometric principles to construct a psychological test (Level3)
CO4: To analyse challenges in testing, fundamental measurement issues and test biases in constructing a psychological test (Level 4)

CO5: To evaluate the psychometric strengths and weaknesses of individual psychological tests and measurements, using both conceptual and applied metrics. (Level 5)
CO6: To create new psychological measurements suited to specific theories and hypotheses.(Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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4		*				*				*
5										
6		*				*				*

262. 7PSYO6031: Foundations of Professional Counselling
CO1: Understand basic aspects of counselling. (Level 1)
CO2: Differentiate between counselling and similar fields. (Level 4)
CO3: Understand and deal with the professional issues that emerge in this field (Level 2)
CO4: Become aware of ethical issues, dilemmas and concerns of counselors. (Level 2)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*			
2	*						*			
3			*	*		*		*	*	
4			*	*		*		*	*	

263. 7PSYO6041: Professional Development - I
CO1: Understand the basic skills needed for a counselor in professional life (Level 1)
CO2: Understand the life skills model for professional development (Level 3)
CO3: Develop modules for psychoeducational training (Level 5)

CO4: Gain awareness of self and own functioning in professional setting (Level 2)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*		*				*			
2	*		*				*	*		
3			*			*		*	*	
4			*		*			*		

264. 7PSYO6051: Educational Counselling
CO1: Administer relevant assessments in classroom (Level 2)
CO2: Understand teaching and learning strategies and its impact on students (Level 3)
CO3: Assess for problematic behaviours in classroom setting (Level 3)
CO4: Identify suitable learning environment and improve conditions in educational settings (Level 4)
CO5: Provide necessary counselling in an educational setting. (Level 4)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1			*			*		*		
2	*		*				*			
3			*			*		*		
4			*			*		*		
5			*			*		*		

265. 7PSYO6061: Child and Adolescent Counselling
CO1: Understand the principles and skills needed for counselling children and adolescents (Level 1)
CO2: Demonstrate understanding of assessment and interventions for children and adolescents with emotional difficulties (Level 4)
CO3: Assess and demonstrate ability to assess career needs of adolescents (Level 4)
CO4: Demonstrate and choose appropriate educational assessment tools
a psychological test (Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*	*		
2	*		*				*	*		
3			*			*		*	*	
4			*			*		*	*	

266. 7PSYO6071: Socio-cultural Foundations of Professional Counselling

CO1: To understand the role of cultural in the development of the self and the multidimensional nature of social identities (Level 1)

CO2: To understand the process of social perception and social cognition involved in the way we understand our social world, form attitudes, make attributions, categorize and engage in intergroup comparisons. (Level 3)

CO3: To give theoretical explanations of social behaviours. (Level 2)

CO4: To become aware of the social issues prevalent in our cultural context and how social psychological theories can be applied to develop scientific and community oriented solutions and interventions. (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*			
2	*		*				*			
3	*						*	*		
4	*							*		

267. 7PSYC6221: APPLIED SOCIAL PSYCHOLOGY

CO1: To understand the key issues and theoretical concepts related to applied social psychology (Level 2)

CO2: To differentiate between testing theories and testing interventions (Level 2)
CO3: To apply social psychological theories to a specific issue in personal and social relationships (Level 3)
CO4: To analyse personal, social and clinical issues and recognise the contributions of social psychological phenomena (Level 4)
CO5: To design and evaluate appropriate intervention strategies for issues related to social influences on behaviour (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*							*				
2			*						*			
3			*						*			
4								*	*			
5			*						*			

268. 7PSYO6081: Child Psychopathology

CO1: To identify and describe the etiology, assessment, diagnosis, and treatment of common psychological and developmental disorders in children and adolescents. (Level 1)
CO2: To understand and distinguish various concepts of normality and pathology in a child's development. (Level 2)
CO3: To demonstrate the skills in formulating and applying interventions (Level 3)
CO4: To critically analyse and choose appropriate assessment and intervention for developmental concerns (Level 4)
CO5: To interpret and diagnose the disorders and to apply treatment and intervention (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*		*				*	*		
2	*		*				*	*		

3	*		*				*	*		
4	*		*			*	*	*		
5	*		*				*	*		

269. 7PSYO6091: Psychopathology
CO1: Demonstrate understanding of various manifestations of psychopathology (Level 1)
CO2: Demonstrate ability to use DSM V and ICD 10 classificatory systems. (Level 2)
CO3: Demonstrate understanding of skills required to diagnose various disorders. (Level 2)
CO4: Contrast and compare models of etiology. (Level 5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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270. 7PSYO6101: Mental Health and Counselling in Workplace
CO1: Deal with the mental health problems encountered in the organizations. (Level 5)
CO2: Have adequate knowledge about the principles of ethical practice applicable to workplace counseling. (Level 1)
CO3: Understand the first aid that can be carried out in mental health problem among employees in an organization and also the need for referral (Level 4)
CO4: Provide suitable intervention for employees in organizational setting (Level 5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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271. 7PSYO6111: Counselling interventions for Special Populations
CO1: Identify substance use disorder and plan appropriate interventions (Level 1)
CO2: Assess mental health concerns and develop appropriate treatment plans (Level 2)
CO3: Illustrate the process involved in reporting child abuse and neglect (Level 4)
CO4: Develop prevention and intervention plan to address child abuse and neglect (Level 5)
CO5: Apply the knowledge of bio-psycho-social models, rehabilitation principles and policies to provide interventions for people with disability. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*		*					*	*	
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3	*		*			*		*	*	
4	*		*					*	*	
5	*		*			*		*	*	

272. 7PSYO6121: Assessments for counselling (Practical)
CO1: Administer the assessments in an ethical and professional manner. (Level 3)
CO2: Score and analyze the results appropriately (Level 4)
CO3: Use the knowledge of the assessment to plan suitable intervention (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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273. 7PSYO6131: Counselling in Health settings
CO1: Understand bio-psycho-social model of health.
CO2: Appreciate the importance of psychological wellness in physical health.
CO3: Use motivational interviewing skills in the context of health care.
CO4: Provide appropriate intervention in health settings.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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274. 7PSYO6141: Integrated Skills Training (Practical)

CO1: To demonstrate in depth knowledge of two theoretical approaches to counselling
CO2: To understand the application of counselling principles to diverse populations. (L4)
CO3: To integrate assessment and interventions in counselling from a variety of approaches learnt during the course. (L5)
CO4: To develop an appropriate course of action in addressing mental health concerns (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	**PO**						**PSO**		
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**
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275. 7PSYO6151: Group Counselling

CO1: To define counselling in a group setting (L2)
CO2: To acquire the basic skills of counselling. (L1)
CO3: To understand the nature and dynamics in a group counselling setting (L1)
CO4: To deal with difficult situations in a group counselling setting. (L2)
CO5: To assess and implement techniques of group counselling (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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276. 7PSYO6161: Professional Development II

CO1: Explore parts of their self at a deeper level through guided autobiographical reading.(L2)
CO2: Increase their self-awareness by having specific life review themes shared in a group. (L2)
CO3: Engage in active listening and generate new perspectives. (L4)
CO4: Trust and share life stories in a group setting. (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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277. 7PSYO6171: Career Counselling

CO1: Apply the career development theories. (L2)
CO2: Identify issues and concerns in the work setting (L5)
CO3: Use appropriate intervention in work settings (L3)
CO4: Provide guidance in vocational settings (L3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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4				*	*				*	

278. 7PSYO6181: Family and Marital Counselling

CO1: Identify substance use disorder and plan appropriate interventions (L1)
CO2: Assess mental health concerns and develop appropriate treatment plans (L2)
CO3: Illustrate the process involved in reporting child abuse and neglect (L4)
CO4: Develop prevention and intervention plan to address child abuse and neglect (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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279. 7PSYO6191: Life coaching

CO1:Demonstrate competence in applying the problem solving approach.(L2)
CO2: Apply skills learnt in the coaching scenario
CO3: Examine and identify the indicators of self-defeating thinking styles. (L3)
CO4: Design training modules by analyzing needs and desired outcomes

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
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280. 7PSYO6201: Asian Healing Practices
CO1: Define the concepts and explain the foundations of Asian healing practices. (L1)
CO2: Analyze the strengths and challenges in integrating Asian and western practices (L3)
CO3: Exhibit the knowledge and experiences in any one Asian healing practice. (L4)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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281. 7PSYO6211: Rehabilitation Counselling
CO1: Identify substance use disorder and plan appropriate interventions (L1)
CO2: Assess mental health concerns and develop appropriate treatment plans (L2)
CO3: Illustrate the process involved in reporting child abuse and neglect (L4)
CO4: Develop prevention and intervention plan to address child abuse and neglect (L5)
CO5: Apply the knowledge of bio-psycho-social model, rehabilitation principles and policies to provide interventions for people with disabilities. (L5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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282. 7PSYO6221: Sexual dysfunction and sex therapy

CO1: Understand the interplay of bio-psycho-social factors in normal sexual behavior and in sexual dysfunction (L1)

CO2: Delineate and describe culturally appropriate individual and couple sex therapies. (L2)

CO3: Critically evaluate the historical and current research in the area of sexuality and sex therapy. (L4)

CO4: Conceptualize research on sexual dysfunctions and sex therapy. (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
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283. 7PSYC6361: Positive Psychology

CO1: To understand a variety of techniques designed to enhance happiness/subjective well-being. (L2)

CO2: To demonstrate an in-depth understanding of the range of positive psychology interventions to strengthen optimism, resilience and self-esteem. (L2)

CO3: To evaluate the difference between weaknesses and strengths and to emphasize on the strengths as an approach towards well-being. (L5)

CO4: To apply positive psychology techniques to enhance the wellbeing of individuals, groups, workplaces, communities and institutions. (L3)

CO5: To reflect and analyze on how a range of techniques in positive psychology affect experience, and contribute in the future to lasting happiness. (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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284. 7PSYC6371: Qualitative Research in Psychology

CO1: To define and distinguish among the principles, techniques and methods involved in qualitative research. (L2)
CO2: To apply the knowledge of various Qualitative Data Collection Techniques research. (L3)
CO3: To analyse data using data analysis softwares(L4)
CO4: To apply the scientific principles of qualitative research methods in various research projects. (L5)
CO5: To apply the techniques of qualitative research methods to develop understand the problems and develop interventions.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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285. 7PSYO6231: Crisis intervention and Trauma Counselling

CO1: Understand the concepts and stages of crisis and trauma (L1)
CO2: Evaluate the trauma using relevant assessment strategies (L3)
CO3: Apply understanding of crisis and trauma effectively in relevant situations. (L4)
CO4: Create a model of intervention using crisis and trauma theories and approaches (L4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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286. 7INTS7010: Internship I

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitized toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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287. 7INTS7020: Internship II

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	**PO**	**PSO**

	1	2	3	4	5	6	1	2	3	4
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289. 7INTS7030: Internship III
CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO						PSO			
	1	2	3	4	5	6	1	2	3	4
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290. 7INTS7040: Internship IV
CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)

CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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291. 7DISS7010: Dissertation
CO1: Students will be able to apply theoretical knowledge, research methodology and statistics in practice.
CO2: Students will be able to demonstrate statistical and research training in implementing an appropriate research procedure in their area of interest
CO3: Students will be able to score, analyse and interpret the data obtained.
CO4: Students will be able to acquire coherent and logical understanding and demonstrate competence in analyzing and discussing the results and report writing.
CO5: Students will be able analyse and synthesis research findings, its implication, limitations within the ethical guidelines of APA and publish the research.
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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292. 7PSYC5011: Personality Theories
CO1: To understand the relevance of personality in defining human behaviour. (Level 2)
CO2: To differentiate between major theoretical approaches to personality. (L2)
CO3: To assess and analyse the different dimensions of personality. (L4)
CO4: To evaluate suitable methods of personality assessment (L5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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293. 7PSYC5021: Behavioural Statistics-I
CO1: To understand and know the relevance of statistics in behavioural science research.(Level 2)
CO2: To demonstrate the knowledge to quantify data. (Level 3).
CO3: To demonstrate the knowledge in data distribution. . (Level 3)
CO4: To analyse and interpret data sets in charts, graphs and distributions. (Level 4)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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294. 7PSYC5031: Biological foundations of Psychology
CO1: To define and identify the physiology of the human body. (Level1)

CO2: To know and understand the basic human biological functioning. (Level 2)
CO3: To apply the theoretical understanding in analysing dysfunctions of brain (Level 4)
CO4: To acquire the understanding of biological bases of human behaviour (Level 2)
CO5: To assess and differentiate between normal and deviant functioning (Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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295. 7PSYC5041: Cognitive Psychology

CO1: To distinguish and understand the theories of cognitive domains such as perception, attention, memory, language, reasoning, problem solving and decision making. (Level 2)
CO2: To apply the theories and research findings of cognitive psychology to personal, social and professional aspects. (Level 3)
CO3: To critically analyse human behaviour using cognitive theories and principles. (Level 4)
CO4: To differentiate and analyse the influence of higher order processes in human behaviour. (Level 4)
CO5: To evaluate the major theories in cognitive psychology and relate emerging trends to these theories. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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296. 7PSYC5051: Theories of Learning

CO1: To demonstrate the knowledge of different theoretical concepts of human learning. (Level 3)
CO2: To define and understand different perspectives of human learning. (Level 2)
CO3: To analyse the learning which occurs in personal, professional and social situations based on principles of learning. (Level 4)
CO4: To apply the theoretical expertise in various settings. (Level 3).
CO5: To evaluate the impact of learning theories on different aspects of human life. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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297. 7PSYC5061: Psychopathology

CO1: To discuss the signs and symptoms of mental illness and other forms of psychological and behavioural dysfunction. (Level 2)
CO2: To understand DSM-5 and ICD-10 nosological system for the classification and diagnosis of psychological disorders (Level 2)
CO3: To demonstrate skills of identifying symptoms, causes and treatment for psychological disorders such as organic, mood, neurotic, stress, somatoform and personality disorders. (Level 3)
CO4: To analyse the complex factors that contribute to psychological and behavioural dysfunction. (Level 4)
CO5: To critically evaluate different conceptual approaches to etiology and treatment of psychopathology. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
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298. 7PSYC5071:Psychological Assessments and Interventions (Practical)
CO1: To define the methods and procedures of assessing human behaviour (Level 1)
CO2: To demonstrate skills in assessing cognitive and affective aspects of human behaviour. (Level 3)
CO3: To analyse and interpret the different aspects of human behaviour (Level 4)
CO4: To evaluate the results based on the assessments and develop appropriate intervention. (Level 5)
CO5: To summarize reports based on assessment by integrating psychological concepts. (Level 6)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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299. 7PSYC5081: Personality Assessments (Practical)

CO1: To define the concepts and assessment procedures in personality assessment. (Level 1)
CO2: To understand the application of assessment of personality in different fields (Level 2)
CO3: To demonstrate skills in assessing various dimensions of personality (Level 3)
CO4: To analyse and interpret the results assessment of personality (Level 5)
CO5: To summarize reports based on personality assessment (Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO						PSO			
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300. 7PSYC5091: Child Psychopathology and Interventions

CO1: To identify and describe the etiology, assessment, diagnosis, and treatment of common psychological and developmental disorders in children and adolescents. (Level 1)
CO2: To understand and distinguish various concepts of normality and pathology in a child's development. (Level 2)
CO3: To demonstrate the skills in formulating and applying interventions (Level 3)
CO4: To critically analyse and choose appropriate assessment and intervention for developmental concerns (Level 4)
CO5: To interpret and diagnose the disorders and to apply treatment and intervention (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	PO						PSO					
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301. 7PSYC5101:Child Assessments and Interventions (Practical)

CO1: To define the concepts and assessment procedures in psychopathology assessment for children and adolescents (Level 1)

CO2: To understand the application of psychopathological assessment for various mental health and behavioural problems in children and adolescents. (Level 2)

CO3: To demonstrate skills in assessing various forms of psychopathology in children and adolescents. (Level 3)

CO4: To analyse and interpret the results of assessments for diagnosis and treatment plan (Level 5)

CO5: To summarize reports based on the assessment (Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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302. 7PSYC6111: Research Methodology

CO1: To define and distinguish among the principles, techniques and methods involved in research. (Level 2)

CO2: To apply the knowledge of various methods of research design and sampling techniques while conducting research. (Level 3)

CO3: To critically analyse research methodologies identified in existing literature. (Level 4)

CO4: To apply the scientific principles of research methodology for various research projects. (Level 3)

CO5: To evaluate research questions, hypothesis, data and findings. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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303. 7PSYC6121: Behavioural Statistics- II

CO1: To understand and distinguish the different methods of inferential statistics. (Level 2)

CO2: To analyse the distribution and significance of the data using appropriate statistical methods. (Level 4)

CO3: To apply the knowledge of testing hypotheses and levels of significance using appropriate statistical methods. (Level 3)

CO4: To critically analyse the application relevant statistical methods based distribution of data and sampling. (Level 4)

CO5: To evaluate the underlying assumptions of statistics for data analysis. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
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304. 7PSYC5131: Psychological Testing

CO1: To define principles of quantifying human behaviour (Level 1)

CO2: To discuss and distinguish the various methods of testing reliability and validity (Level 2)

CO3: To demonstrate the knowledge of psychometric principles to construct a psychological test (Level 3)

CO4: To analyse challenges in testing, fundamental measurement issues and test biases in constructing a psychological test (Level 4)

CO5: To evaluate the psychometric strengths and weaknesses of individual psychological tests and measurements, using both conceptual and applied metrics. (Level 5)

CO6: To create new psychological measurements suited to specific theories and hypotheses.(Level 6)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
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6										

305. 7PSYC6141: Advanced Psychopathology

CO1: To understand how diagnosis facilitates treatment during in-patient, out-patient and crisis situations (Level 2)

CO2: To demonstrate skills of identifying symptoms, causes and treatment for psychological disorders such as eating, psychotic, and substance related disorders and sexual dysfunctions (Level 3)

CO3: To analyse the complex factors that contribute to psychological and behavioural dysfunction. (Level 4)

CO4: To critically evaluate different conceptual approaches to etiology and treatment of psychopathology. (Level 5)

CO5: To compare different psychological disorders and be able to articulate the process of differential diagnosis (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*						*	*		
2	*						*	*		
3	*		*				*	*		
4	*		*				*	*		

306. 7PSYC5151: Clinical Assessments and Intervention (Practical)
CO1: To define the concepts and assessment procedures in psychopathology assessment for adults (Level 1)
CO2: To understand the application of psychopathological assessment for various mental health and behavioural problems in adults. (Level 2)
CO3: To demonstrate skills in assessing various forms of psychopathology in adults. (Level 3)
CO4: To analyse and interpret the results of assessments for diagnosis and treatment plan (Level 5)
CO5: To summarize reports based on the assessment (Level 6)
CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	**PO**						**PSO**			
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**
1	*					*	*			
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3						*				
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307. 7PSYC6161: Forensic Psychology
CO1: To describe the contribution of psychology at different levels of criminal justice system (Level 1)

CO2: To understand the relationship between human psychology, crime and justice system (Level 2)
CO3: To demonstrate an understanding of theories, research findings, and methods of investigation used in forensic psychology (Level 3)
CO4: To differentiate the various perspectives of understanding criminal behaviour (Level 4)
CO5: To critically evaluate the interpretation of research and applications of forensic psychology in media, society and practice. (Level 5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1												

2												
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308. 7PSYC6171: CRIMINAL PSYCHOLOGY
CO1: To describe the contribution of psychology at different levels of criminal justice system (Level 1)

CO2: To understand the relationship between human psychology, crime and justice system (Level 2)
CO3: To conduct research in the field of criminal investigative analysis (Level 3)
CO4: To apply the methods of criminal profiling to analyze crime scenes(Level 3)
CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1			*						*			
2	*							*				
3	*										*	
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309. 7PSYC6181: Neuropsychology
CO1: To identify and describe the structural and functional subsystems of brain and related behaviour (Level 1)
CO2: To discuss and explain relations between the higher central nervous functions that determine human behaviour (Level 2)
CO3: To demonstrate the ability to assess neuropsychological conditions, taking into account the relevant biological, environmental and ethical aspects. (Level 3)
CO4: To analyse different neuropsychological conditions with the knowledge of principles of neuropsychology (Level 4)
CO5: To assess the need for interventions and indulge in appropriate rehabilitation methods. (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*											
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310. 7PSYC6191: Experimental Psychology

CO1: Conduct and analyse experiments related to psychological concepts and write research reports(Level 2)

CO2: Apply the psychological research in the daily life (Level 4)

CO3: Evaluate various experimental methods and their use as effective interventions (Level 5)

CO4: Apply psychological research skills in daily life(Level 4)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1	*	*						*			*
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3			*						*		
4	*	*	*								*

311. 7PSYC6201: School Psychology

CO1: Conduct various assessments and intervention procedures to address various school-related issues.(Level 2)

CO2: Formulate and verify various laws related to school related issues in children (Level 3)

CO3: To be able to apply the skills acquired as a school psychologist(Level 4)

CO4: To contribute to the development of laws of education in context to disabilities (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	PO						PSO				
	1	2	3	4	5	6	1	2	3	4	5
1			*								*
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3			*						*		
4	*								*		

312. 7PSYC6211: SPECIAL EDUCATION

CO1: To have knowledge of the foundations of special education law (Level 2)

CO2: To understand the characteristics of learners and disability, and individual learning differences(Level 2)

CO3: To be able to apply the highest professional standards which include developing and demonstrating positive relationships with students, colleagues, program faculty and educational professionals.(Level 3)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO						PSO			
	1	2	3	4	5	6	1	2	3	4
1			*				*			
2			*	*				*		
3			*						*	

313. 7PSYC6221: APPLIED SOCIAL PSYCHOLOGY

CO1: To understand the key issues and theoretical concepts related to applied social psychology (Level 2)

CO2: To differentiate between testing theories and testing interventions (Level 2)

CO3: To apply social psychological theories to a specific issue in personal and social relationships (Level 3)

CO4: To analyse personal, social and clinical issues and recognise the contributions of social psychological phenomena (Level 4)

CO5: To design and evaluate appropriate intervention strategies for issues related to social influences on behaviour (Level 5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*							*				
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5			*						*			

314. 7PSYC6231: Community Psychology

CO1: To understand the importance of a theoretical basis for community development (Level 2)

CO2: To differentiate between different theoretical concepts in community psychology(Level 2)

CO3: To apply the theoretical perspectives to prevent and manage social issues(Level 4)

CO4: To develop interventions and programs for promotion of community mental health (Level 2)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*					*		*				
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315. 7PSYC6261 : Psychotherapy-I

CO1: To explain different psychological theories and its application as psychotherapy in practice (L2)

CO2: To demonstrate the knowledge of psychodynamic, analytical, individual, and humanistic therapies (L3)

CO3: To critically examine different approaches to therapy. (L3)

CO4: To analyse mental health and behavioural concerns using feminist and existential therapies (L4)

CO5: To determine and apply appropriate therapeutic techniques for mental health and behavioural concerns (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
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316. 7PSYC6271: Contemporary Behavior therapy

CO1: Apply the nature and principles of behavior therapy in everyday life (L2)
CO2: Elaborate the process of behavior therapy (L3)
CO3: Articulate and evaluate assessment procedures used in behavioral assessment (L4)
CO4: Outline and evaluate the techniques used in behavior therapy and recent significant developments in behavior therapy. (L5)

COPO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*					*		*				
2	*								*			
3			*			*			*			
4			*						*			

317. 7PSYC5241: Basic Counseling Skills

CO1: To discuss the principles and elements of effective interviewing in counselling. (L2)
CO2: To develop appropriate counselling goals and design intervention strategies for an effective counselling process. (L4)
CO3: To demonstrate effective therapeutic relationships and professional boundaries (L3)
CO4: To apply ethical and legal principles in the counselling process and the relationship. (L4)
CO5: To evaluate client outcomes and have a successful termination of counsellor-client relationships. (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1	*		*	*		*	*	*			
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4						*					
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318. 7PSYC5251: Basic Counselling Skills (Practical)

CO1: To identify the range of interpersonal skills required in the counselling process. (L1)
CO2: To understand the application of counselling principles to diverse populations. (L2)
CO3: To demonstrate skills in establishing a healthy counsellor-client relationship. (L3)
CO4: To develop an appropriate course of action in addressing mental health concerns (L4)
CO5: To evaluate the need for therapy and intervention (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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319. 7PSYC6281: Indian and Transpersonal Psychology

CO1:To understand the theoretical foundations of transpersonal psychology (L2)
CO2: To demonstrate post-conventional thinking from a new paradigm (L3)
CO3: To apply the principles of indigenous perspective to understand human behaviour, life and beyond(L4)
CO4: To differentiate the theories and concepts of transpersonal psychology beyond individual and conventional levels (L5)

CO5: To interpret human life and beyond based on the concepts of transpersonal psychology theories in therapy, counselling, and research (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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4				*							*
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320. 7PSYC6291: Indigenous Healing Practices

CO1: Gain knowledge on various Indigenous healing practices (L2)

CO2: Critically analyze the role of Indigenous healing practices in the current scenario (L3)

CO3: Evaluate and apply metaphysical traditions in healing psychological issues of self and others. (L4)

CO4: Apply principles of indigenous healing techniques in the field of clinical psychology and other fields such as health psychology, organizational psychology, community mental health (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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321. 7PSYC6301: Rehabilitation Psychology

CO1: Understand and Apply basic concepts of rehabilitation psychology and disability (L2)

CO2: Elaborate and analyze the personality developmental aspects of disabled individuals (L3)

CO3: Examine and elaborate the screening procedures, intervention strategies and early identification techniques (Level 4)
CO4: Outline and articulate different psychotherapeutic approaches used in rehabilitation (Level 5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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3			*			*			*		
4			*					*			

322. 7PSYC6311: Crisis and Trauma Intervention
CO1: Understand and apply basic aspects of Crisis Intervention and Trauma Counseling (L2)
CO2: Elaborate and analyze the steps involved in intervention strategies. (L3)
CO3: Articulate and elaborate on the consequences of trauma of loss, vulnerability, and interpersonal violence. (L4)
CO4: Examine and understand the consequences of community violence, and its management (L5)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1	*					*					
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323. 7PSYC6321: Sports Psychology
CO1: Develop the appreciation of interrelated scientific concepts that promote understanding of problems and issues in the study of sports psychology (L2)

CO2: Articulate the professional competencies in the field of sports psychology (L3)
CO3:Critically understand application of theories and strategies in appropriate ways (L4)
CO4: Develop an understanding of the field, foundations, and methods of intervention strategies (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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324. 7PSYC6331: Health Psychology

CO1: Demonstrate the biological, behavioral, cognitive and social determinants of health, and risk factors for health-compromising behaviors and strategies for their modification (L2)
CO2: Demonstrate advanced knowledge of various approaches to the prevention and management of major identifiable health conditions (L3)
CO3: Apply coping mechanisms under stressful situations (L4)
CO4: Evaluate the management strategies for pain and chronic, and terminal illness (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1	*		*		*	*	*				
2		*	*								*
3			*		*	*			*		
4			*	*					*		

325. 7PSYC6341: Psychotherapy II

CO1: To explain different psychological theories and its application as psychotherapy in practice (L2)
CO2: To demonstrate the knowledge of adjunct therapies such as supportive, cross cultural, and third- generation therapies. (L3)
CO3: To critically examine different approaches to therapy. (L3)

CO4: To analyse mental health and behavioural concerns using feminist and existential therapies (L4)
CO5: To appraise additional current psychotherapy issues including training, ethics and individual case formulation (L5)

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1	*										
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4			*				*	*			
5			*		*		*			*	

326. 7PSYC6351: Psycho-oncology
CO1: Explain the behavioral and psychological factors related to cancer risk individuals (L2)
CO2:: Apply and evaluate the screening procedures for cancer in normal and at-risk populations (L3)
CO3: Articulate the psychological issues associated with cancer (L3)
CO4: Evaluate management strategies and intervention methods to reduce the specific symptoms associated with cancer individuals.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1	*			*							
2			*						*		
3			*	*							*
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327. 7PSYC6361: Positive Psychology
CO1: To understand a variety of techniques designed to enhance happiness/subjective well-being. (L2)

CO2: To demonstrate an in-depth understanding of the range of positive psychology interventions to strengthen optimism, resilience and self-esteem. (L2)
CO3: To evaluate the difference between weaknesses and strengths and to emphasize on the strengths as an approach towards well-being. (L5)
CO4: To apply positive psychology techniques to enhance the wellbeing of individuals, groups, workplaces, communities and institutions. (L3)
CO5: To reflect and analyse on how a range of techniques in positive psychology affect experience, and contribute in the future to lasting happiness. (L4)
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1			*		*						
2			*					*			
3			*					*			
4			*				*	*	*		
5			*	*				*	*	*	

328. 7PSYC6371: Qualitative Research in Psychology
CO 1: To define and distinguish among the principles, techniques and methods involved in qualitative research. (L2)
CO2: To apply the knowledge of various Qualitative Data Collection Techniques
Research. (L3)
CO3: To analyse data using data analysis softwares(L4)
CO4: To apply the scientific principles of qualitative research methods in various research projects. (L5)
CO5: To apply the techniques of qualitative research methods to develop understand the problems and develop interventions.
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
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2	*										
3											
4											*
5			*						*		

329. 7INTS7010: Internship I
CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitized toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1									*		
2			*				*				
3			*					*			
4				*		*					
5			*					*			

330. 7INTS7020: Internship II
CO1: To apply the theoretical understanding of concepts, theories and interventions (L3) **CO2**: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirement.
CO5: Students will be professionally ready to deal effectively in the environment.
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	PO						PSO				
	1	2	3	4	5	6	1	2	3	4	5
1									*		
2			*				*				
3			*					*			
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331. 7INTS7030: Internship III

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)
CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitised toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.

CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	PO						PSO				
	1	2	3	4	5	6	1	2	3	4	5
1									*		
2			*				*				
3			*					*			
4				*		*					
5			*					*			

332. 7INTS7040: Internship IV

CO1: To apply the theoretical understanding of concepts, theories and interventions (L3)

CO2: Students will be able to demonstrate skills in interacting with the client and establishing professional relationships with the client (L3)
CO3: Students will demonstrate therapeutic and professional skills required in professional settings (L3)
CO4: Students will acquire experiential learning and get sensitized toward the requirements of professional requirements.
CO5: Students will be professionally ready to deal effectively in the environment.
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**
1									*		
2			*				*				
3			*					*			
4				*		*					
5			*					*			

333. 7DISS7010: Dissertation
CO1: Students will be able to apply theoretical knowledge, research methodology and statistics in practice.
CO2: Students will be able to demonstrate statistical and research training in implementing an appropriate research procedure in their area of interest
CO3: Students will be able to score, analyze and interpret the data obtained.
CO4: Students will be able to acquire coherent and logical understanding and demonstrate competence in analyzing and discussing the results and report writing.
CO5: Students will be able analyze and synthesize research findings, its implication, limitations within the ethical guidelines of APA and publish the research.
CO-PO-PSO Mapping

CO-PO-PSO Mapping											
CO	**PO**						**PSO**				
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**

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3	*	*									*
4	*	*									*
5	*	*				*					*

SCHOOL OF DESIGN

1. **Course Name**: Fundamentals of Design I
Course Code: 9FODN1011

CO1: Understand elements and principles of design and their relevance in the context of a design process
CO2: Apply and relate design elements and principles in the content of 2D and 3D environment
CO3: To facilitate effective use of art media, develop rendering skills, colour me, colour scheme and color psychology.
CO4: To introduce Adobe Photoshop / Inkscape / Krita software to enable students to use different tools and shape their understanding of color in the digital space.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*		*	*	*	*	*	*	*	*
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3	*	*	*		*	*	*		*	
4	*		*	*	*	*	*	*		*

2.**Course Name**: Typography I
Course Code: 9CDES1011

CO1: Understand the evolution of typography and print
CO2: Construct a series of letters and fonts in traditional and digital mediums
CO3: Understand and apply Typographic Rules, Families and Styles in their design process
CO4: Be able to design effective verbal and visual communication with appropriate typography choices and adhere to typographic rules

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*		*			*	*		*	
2	*		*			*	*			

3	*		*				*		*	
4	*		*			*	*		*	

3.**Course Name**: Visual Identity Design I
Course Code: 9CDES1021
CO1: Understand meaning of symbols and how to design them
CO2: Understand various research methods and mechanisms of Persona Definition and apply the same to themselves
CO3: Design a logo for themselves based on self-analysis

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
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2	*	*	*		*	*		*	*	
3	*	*	*	*	*	*	*	*	*	*

4.**Course Name**: Layout Design I
Course Code: 9CDES1031
CO1: Design a printed collateral such as visiting card, letterhead, envelope
CO2: Design a multi page print document - redesign a portfolio of work including an SOP

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*		*	*	*		*
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5.**Course Name**: Introduction to Product Design (Idea to Prototype)
Course Code: 9PDES1011
CO1: Conduct research and articulate the brief of a given problem.
CO2: Ideate and render concepts for effective communication
CO3: CAD model / required drawings preparation for prototyping
CO4: Prototype by using 3D technologies and refine based on feedback received from target audience

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
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2	*	*	*	*	*	*	*	*	*	*
3		*	*		*		*	*	*	*
4	*	*	*	*	*	*	*	*	*	*

6.**Course Name**:Project I

Course Code: 9PROJ1011
CO1: Design a visual identity for themselves, and apply this process for future design requirements.
CO2: Design appropriate print collaterals supporting the visual identity designed for themselves
CO3: Design an appropriate product supporting the visual identity designed for themselves
CO4: Design and maintain a portfolio of their own work as per industry standards, with integrated visual identity design

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*		*	*	*	*	*
2	*		*	*		*	*	*	*	*
3	*	*	*	*		*	*	*	*	*
4	*	*	*	*		*	*	*	*	*

7.**Course Name**:Drawing I
Course Code: 9FODN1021

CO1: Intuitive representation using appropriate medium as per the context.
CO2: Confident to translate thought on paper
CO3: Understand and translate technical drawings required for product development and fabrication.
CO4: Improve observation skills to gasp details of surroundings
CO5: To understand the proportions and contours of the human form, to develop an illustration style and develop fabric rendering skills. (Babu)
CO6: To develop different types of perspective views of spaces and objects.
CO7 : To implement the fundamentals of design through drawing , understand the outlook of an object and learn principles of Drawing
CO8 : understand the human anatomy and Proportion

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*		*	*		*		*	*	
2	*	*	*		*	*	*	*	*	*
3	*		*	*	*	*			*	*
4	*	*	*	*	*	*	*	*		*
5	*	*		*	*	*	*	*		*
6	*	*	*		*	*	*		*	

8.**Course Name**:Introduction to Fashion Design (Idea to Prototype)
Course Code: 9FDES1011
CO1: Create an effective, usable, wearable outfit
CO2: Understand the process of ideation to hard prototyping and final presentation of fashion products
CO3: Understand pattern making and garment construction
CO4: Develop a sensitivity for the right kind of finish on the garment

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*

3		*		*	*	*	*		*	*
4		*		*	*	*	*		*	*

9.**Course Name**: Introduction to Interior Design (Idea to Prototype)
Course Code: 9IDES1011

CO1: Create models of functional and aesthetically pleasing interior spaces.
CO2: Develop ideation to final design.
CO3: Draw quick perspective space ideation drawing
CO4: Create quick floor plans.
CO5: Create soft prototype for space visualization with lighting and material.
CO6: Make scaled down hard prototypes to complete the visualization process.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2		*	*	*		*			*	*
3		*	*	*		*			*	*
4	*	*	*	*	*	*	*	*	*	*
5	*	*	*			*	*	*	*	*
6	*	*	*			*	*	*	*	*

10.**Course Name**: Project II
Course Code: 9PROJ1021

CO1: Design a meaningfully structured and aesthetically pleasing portfolio of work of professional standards in printed and digital formats
CO2: Present the portfolio of work in public with confidence, self belief and optimism
CO3: Reflect on the learning experience in 4 streams of Design (CD,PD,FD,ID), and define own likes/dislikes, strengths, talent, skills and knowledge as an individual advantage, which were acquired during the academic year
CO4: Define an informed individual choice of further studies in a specific design stream.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1			*	*		*		*	*	*
2			*	*					*	*
3	*		*	*		*	*	*	*	*
4			*	*	*	*	*		*	*

11.**Course Name**: Fundamentals of Design II
Course Code: 9FODN2011

CO1: Precise 2D drawings of various geometrical forms showing construction
CO2: Construct 3D platonic solids and patterns
CO3: To construct precise tessellations.
CO4: Implement construction methods on various materials.
CO5: Investigate color symbolism and their meanings in different cultural contexts..
CO6: Develop a comprehensive understanding of color theory

CO7: understand relation between poor postures and ergonomic hazards
CO8: create products and systems that are efficient, comfortable, and safe
CO9: Design and develop prototypes for ergonomic testing
CO10: Consider anthropometric data while designing

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*			*	*	*		*	*
2	*		*	*	*	*			*	*
3	*	*	*		*	*		*	*	*
4	*	*	*	*	*	*	*		*	
5	*		*	*		*	*		*	*
6	*	*		*	*	*	*	*	*	*
7	*	*	*		*	*	*	*	*	*
8	*	*	*		*	*	*	*	*	*
9		*	*	*		*	*	*	*	*
10	*		*	*	*	*	*	*		*

12.**Course Name**: History of Art & Design I
Course Code:9FODN2021

CO1: Comprehend the examples of architecture, objects, visual and sculptural art of the Prehistoric Period and Ancient Civilizations

CO2: Apply visual and tactile elements of the styles dominant in historic periods to contemporary design, whenever relevant
CO3: Understand how socio-economical, technological, political, religious factors influenced art, architecture and design of specific periods

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*		*	*	*
2	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*		*	*	*
5	*	*	*	*	*	*	*	*	*	*

13.**Course Name**: Computer Aided Design I
Course Code: 9PDES2031
CO1: prepare 2D orthographic drawings which can be printed on plotters with reference to production / prototyping
CO2: Create 2D realistic renderings with reference to design presentations
CO3: Build 3D models for 3D printing with reference to ergonomic analysis, visualization of aesthetics and design presentation
CO4: Construct parametric models and assembly

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*				*	
2	*		*		*	*		*	*	*

3	*	*	*	*	*	*		*	*	*
4	*		*		*	*		*	*	*

14.**Course Name**: Packaging Design
Course Code: 9PDES2041
CO1: Prepare questionnaires for the specific product / service / system and conduct field visit and maintain recordings
CO2: Articulate design brief based on research findings and prepare reports / presentations
CO3: Design product in paper or plastic by using the appropriate production technique for given quantity
CO4: articulate the concept considering paper and plastic in packaging
CO5: Identify type of plastic by conducting respective tests
CO6: Design packaging keeping environment considerations
CO7: Prepare, analyse and read production drawings
CO8: generate quick concept renders
CO9:To understand graphic design and mandatory information for different packaging.
CO10: to Design a layout and graphics for a package.
CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	
2			*	*		*	*	*	*	
3	*		*	*	*	*	*	*		*
4	*		*	*	*	*		*	*	
5	*	*	*	*		*	*	*	*	
6	*	*		*	*	*	*	*	*	*

7	*			*	*	*	*		*	
8	*	*	*	*	*	*	*	*	*	*
9	*		*	*	*	*	*			*
10	*	*	*	*	*	*			*	*

15.**Course Name**: Project III
Course Code: 9PROJ2011

CO1: Design a complete packaging for given brief
CO2: Ideate an appropriate concept based on gained research findings
CO3: Propose an material and manufacturing technique for selected concept
CO4: Develop an CAD model along with renders in respective software

CO-PO-PSO Mapping

						PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*
3		*		*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*

16.**Course Name**: TEXTILE DESIGN
Course Code: 9FDES2031

CO1: To improve fluency in expressing motif design concepts
CO2: To use illustration as a means to ideate
CO3: To gain confidence in creatively presenting the work.
CO4: To widen the horizon of tools that are used to develop and present work.
CO5: The knowledge of creating seamless pattern design and its application.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*		*	*
2	*		*	*			*	*	*	*
3	*	*	*		*	*		*	*	*
4	*	*	*		*	*	*		*	*
5	*		*	*	*	*	*		*	*

17.**Course Name**: TEXTILE SCIENCE
Course Code: 9FDES2041

CO1: Understand the classification and characteristics and use of textile
CO2: Analyse the type of fibre, yarn and structure of the fabric using technical and non-technical tests and finding suitable end-uses
CO3: To identify different kinds of fibers, yarns, methods of fabric construction
CO4: To know the performance & suitability of fabric, identify & differentiate fabric structures
CO5: Will have a working knowledge of cloth surface decoration (wet processing,dyeing and printing).
CO6: To test the fabric as per the quality standards specified.
CO7: Will widen the career opportunity for the students in textile as well as testing companies.

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	PO	PSO

	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*		*
2	*	*	*		*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*
5	*	*	*			*	*			
6	*	*	*		*	*	*	*	*	*
7	*	*	*	*	*	*	*	*		*

18.**Course Name**: PROJECT III
Course Code:9PROJ2011
CO1: Design a Saree based on the given brief
CO2: Ideate an appropriate concept based on gained research findings
CO3: Propose an design plan, material and technique for selected concept
CO4: Develop a design plan model along with renders in respective software

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*

3		*		*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*

19.**Course Name**: Residential Interior Design
Course Code:9IDES2041

CO1: In Depth understanding of spaces through analysis and will know the trending materials in market
CO2: To develop a user oriented Residential interior space for an existing site.
CO3:To make interior spaces more utilized in terms of effectiveness and accessibility
CO4: To make 2D Interior service drawings
CO5: To develop 2D working diagrams like furniture layout plan, section and elevation.
CO6: To develop the 3D model of residential space in sketchup software with all the details
CO7:To develop the photorealistic renders in Vray rendering software
CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*		*			*				*
2	*	*			*	*	*	*		*
3	*	*	*		*	*	*	*	*	
4	*	*			*	*	*	*		*
5	*	*		*	*	*	*	*	*	*
6	*			*	*	*	*			
7	*		*	*	*	*	*		*	

20.**Course Name**: Project III
Course Code:9PROJ2011

CO1: Create a residential interior space that meets current professional standards

CO2: Demonstrate their work through a presentation format using PowerPoint (.ppt).
CO3: Clearly articulate and differentiate their strengths, talents, skills, and knowledge, and align the portfolio content accordingly

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*

21.**Course Name**: Packaging Design - Elements of Graphics
Course Code: 9CDES2031

CO1: Apply the techniques of Illustration.
CO2: Create Illustration for FMCG products. .
CO3: Convert traditional illustration to Digital medium.
CO4:To Design Logo and taglines and copy of Packaging Design using typography using digital Software (adobe Illustrator)
CO5: To Understand the effective use of typography in a packaging design
CO6:To learn mandatory information for packaging design.
CO7: To Understand the Layout and communication of Contents of Packaging design.
CO8: To create Layout using digital software (Adobe Illustrator)

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	PO	PSO

	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*		*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*
4			*	*	*	*	*	*	*	*
5	*		*	*	*	*		*	*	*
6	*		*	*	*	*	*	*	*	*
7	*		*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*

22.**Course Name**: Packaging Design
Course Code: 9CDES2041

CO1: Prepare questionnaires for the specific product / service / system
CO2: Conduct field visit and maintain recordings
CO3: Prepare reports and presentations
CO4: Articulate design brief based on research findings
CO5: Apply above research methods in their interest of domain / future projects
CO6: Design product in paper by using the appropriate production technique for given quantity
CO7: articulate the concept considering paper as material in packaging
CO8: Design a 3d form of the designed packaging by using paper
CO9:To understand graphic design for different FMCG product packaging.
CO10: to Design a layout for a package.
CO11: To create graphics for the package.
CO12 : Aware about the mandatory information of packaging design.
CO13:To learn mandatory information for packaging design.
CO14: To Understand the Layout and communication of Contents of Packaging design.
CO15: To create Layout using digital software (Adobe Illustrator)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*
4			*	*	*	*	*	*	*	*
5	*		*	*	*	*		*	*	*
6	*		*	*	*	*	*	*	*	*
7	*		*	*	*	*	*	*	*	*
8	*	*	*	*	*	*	*	*	*	*
9	*	*	*	*	*	*	*	*	*	*
10	*	*	*	*	*	*	*	*	*	*
11	*	*	*	*	*	*	*	*	*	*
12	*	*	*	*	*	*	*	*	*	*
13	*	*	*	*	*	*	*	*	*	*

14	*	*	*	*	*	*	*	*	*	*
15	*	*	*	*	*	*	*	*	*	*

23.**Course Name**: Project III
Course Code: 9PROJ2011

CO1: Design a complete packaging for given brief
CO2: Ideate an appropriate concept based on gained research findings
CO3: Propose an material and manufacturing technique for selected concept
CO4: Develop an CAD model along with renders in respective software

24.**Course Name**: Elective 01 (Tensile structures)
Course Code: 9PDES2061

CO1: Apply concept of tensegrity in furnitures (collapsible furniture)
CO2: Make working drawings to communicate with fabricators
CO3: decide materials required for creating tensile structures
CO4: apply principles of tensegrity in the context of - indoor / outdoor furniture ,efficient and effective use of material, cost reduction and quicker fabrication

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*		*	*	*	*		*
2	*		*		*	*	*		*	*
3	*	*		*		*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*

25.**Course Name**: History of Art & Design II
Course Code: 9FODN2071

CO1: Comprehend the examples of architecture, objects, visual and sculptural art of Early Christian Art, Medieval Europe, and Renaissance
CO2: Apply visual and tactile elements of the styles dominant in historic periods to contemporary design, whenever relevant
CO3: Understand how socio-economical, technological, political, religious factors influenced art, architecture and design of specific periods

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*		*	*		*	*	*
2	*	*	*		*	*	*	*	*	*
3	*	*	*		*	*	*	*	*	*

26.**Course Name**: Furniture Design
Course Code: 9PDES2081

CO1: Choose and use mechanisms to achieve a prescribed movement / mechanical advantage
CO2: Analyse mechanisms in existing products and furnitures
CO3: analyze furniture, spaces, and communication materials from usability perspective and redesign keeping in mind target audience
CO4: understand relation between poor postures and ergonomic hazards
CO5: Design and develop prototypes for ergonomic testing
CO6: Design Furniture in wood, hemp, bamboo and metal by using the appropriate production technique
CO7: discuss the relevance of specific material in given furniture
CO8: Document using illustration, photographs and text to showcase types of furniture based on the following factors - sociocultural influences, technological influences, Type, Usage, Materials, Scale, Measurement, made by, Origin...
CO9: understand and implement visual design / aesthetics , joinaries, finishes and overall aesthetics in upcoming design project
CO10: prepare design document and presentation for selected product/furniture
CO11: To be able to respond as a designer ,to the ever changing trends and styles

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*		*	*	*	*	*	*	*	*
2		*	*		*	*			*	*
3	*	*	*		*	*	*	*		*
4	*	*	*		*	*	*	*	*	*
5		*	*	*		*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*
7		*	*	*		*	*	*	*	*
8	*	*	*	*		*	*		*	*
9	*	*	*	*	*	*	*	*	*	*
10	*	*	*		*	*	*		*	*
11	*	*	*	*	*	*	*	*	*	*

27.**Course Name**: Computer Aided Design II
Course Code: 9PDES2091
CO1: Understand fundamental concepts in 3D modeling, including polygons, vertices, edges, and surfaces.
CO2: Proficiently use 3D modeling software such as Autodesk fusion 360, Sketchup,etc. to create three-dimensional objects.
CO3: Render 3D models to produce high-quality images and animations, utilizing rendering engines and understanding rendering settings and options
CO4: Iterate on 3D designs, addressing design challenges, refining models based on feedback, and continuously improving designs through an iterative design process

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*		*	*	*	*	*
2	*	*	*	*	*	*	*		*	*
3	*	*	*	*		*	*	*	*	*
4	*	*	*		*	*	*	*	*	*

28.**Course Name**: Project IV
Course Code: 9PROJ2021
CO1: Design furniture for given brief
CO2: Ideate and render an appropriate concept based on gained research findings
CO3: Propose an material and manufacturing technique for selected concept
CO4: Develop an CAD model along with renders in respective software
CO5: Make physical prototype in 1:1 scale

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*		*	*	*	*	*	*
2	*	*	*		*	*	*	*	*	*
3	*	*	*		*	*	*	*	*	*
4	*	*	*		*	*	*	*	*	*
5	*	*	*		*	*	*	*	*	*

29.**Course Name**: ELECTIVE - 01 (Fashion Styling)
Course Code: 9FDES2061

CO1: Individual should be able to groom and style for any concept / theme
CO2: Will know about various garments suitable for different occasions
CO3: Understand, analyze and suggest new looks to build a character as per the clients / theme requirement
CO4: Understand and and explore fashion photography and product photography

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*		*	*	*	*	*	*	*	*
2	*		*	*			*	*	*	
3	*	*	*	*	*	*	*		*	*
4	*	*	*		*	*	*	*	*	*

30.**Course Name**: FASHION THEORY & DESIGN
Course Code: 9FDES2081

CO1: Students will understand the fundamental aspects of fashion, terminology and theories related to fashion
CO2: Explain the process of fashion diffusion across the consumer segments, regulatory bodies and fashion profession
CO3: To improve fluency in expressing fashion concepts ideas through illustration
CO4: To widen the horizon of tools that may used to develop and present work
CO5: To gain confidence and build a sense of comfort in the use of drawing and presentation

CO-PO-PSO Mapping

CO-PO-PSO-Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*		*	*
2	*		*	*			*	*	*	*
3	*	*	*		*	*		*	*	*
4	*	*	*		*	*	*		*	*
5	*		*	*	*	*	*		*	*

31.**Course Name**: APPAREL CONSTRUCTION
Course Code: 9FDES2091
CO1: to have an in-depth knowledge of the principles of draping, pattern making, and its concepts in order to produce design variations and make clothing
CO2: To make pattern for various clothing style as well as based on gender
CO3: To convert two dimensional form into three dimensional form of a garment.
CO4: To understand the grain of fabric and its behaviour while pattern making and draping.
CO5: Learn various techniques of pattern making and its application in [pattern development.
CO6 : To be able to stitch and finish the garment with appropriate seams and trims.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5

1	*	*	*	*		*	*	*	*	*
2	*	*	*			*	*		*	*
3	*	*	*	*		*	*	*		*
4	*	*	*	*	*	*	*	*	*	*
5	*	*	*	*	*	*	*	*		*
6	*	*	*	*		*	*	*	*	*

32.**Course Name**: PROJECT - IV
Course Code: 9PROJ2021

CO1: To design and create uniforms for a particular work sector.
CO2: Ideate an appropriate concept based on gained research findings
CO3: Propose an plan, material and technique for selected concept
CO4: Develop a digital and physical portfolio with respective software

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*		*	*	*	*	*
2	*	*	*		*	*	*	*	*	
3	*			*	*	*	*		*	*

4	*		*	*	*	*	*	*	*	*

33.**Course Name**: ELECTIVE 01 (Photography)
Course Code: 9CDES2061

CO1: to understand the principles of photography.
CO2 : able to understand the lighting of photography.
CO3 : to be aware of the various possibilities of photography.

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*					*	*			*
2	*					*	*			*
3	*				*	*				*

34.**Course Name**: Branding I
Course Code: 9CDES2081
CO1:To Understand the concept of branding and brand identity.
CO2: To create a Brand identity to implement on an explainer Product.
CO3: To use the market research for creating effective brand identity.

CO-PO-PSO Mapping

CO-PO-PSO Mapping		
CO	PO	PSO

	1	2	3	4	5	1	2	3	4	5
1	*		*	*	*	*	*	*	*	*
2	*		*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*

35.**Course Name**: Responsive Website Design & Social Media Design
Course Code: 9CDES2091
CO1:To Learn how to effectively communicate messages and information through visual elements in graphics.
CO2: To Learn how to optimize infographics for different platforms, including web, social media, and print.
CO3: To create graphics and Infographics for Explainer digital Content.
CO4:To create visually appealing and user-friendly websites that adapt to different screen sizes and devices using Digital tools (eg : Adobe XD)
CO5: to gain awareness about the programming language used for web design.
CO6: To Create Design campaigns for social media using digital tools (Adobe photoshop , Adobe Illustrator)

CO-PO-PSO Mapping

CO-PO-PSO Mapping										
CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*	*	*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*

4	*		*	*	*	*	*	*		*
5	*	*	*	*	*	*	*	*	*	*
6	*	*	*	*	*	*	*	*	*	*

36.**Course Name**: Project IV
Course Code: 9PROJ2021

CO1: Design Brand according to given brief
CO2: Ideate an appropriate concept based on gained research findings
CO3: Create promotional design in web interface
CO4: Create branding Campaign design for the platform of social media

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	*
2	*		*	*	*	*	*	*	*	*
3	*	*	*	*	*	*	*	*	*	*
4	*	*	*	*	*	*	*	*	*	*

37.**Course Name**: Elective 01 (Interior Styling)
Course Code:9IDES2061
CO1: Apply the concept of interior styling in a space
CO2: Developing an idea using multiple materials.
CO3: Implementation of interior style

CO-PO-PSO Mapping

CO	PO					PSO				
	1	2	3	4	5	1	2	3	4	5
1	*	*	*	*	*	*	*	*	*	

2	*	*	*	*	*	*	*	*	*	*
3	*	*				*	*		*	*

POs, PSOs and PEOs

SCHOOLS OF STUDIES

CMR UNIVERSITY, BENGALURU

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B.Tech CSE

B.Tech IT

B.Tech ECE

B.Tech DS

B.Tech AI and ML

SCHOOL OF ENGINEERING AND TECHNOLOGY

B. Tech. (CSE)

Programme Outcomes (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science and engineering to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex problems in Computer Science and Engineering reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design computer based solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

At the end of the program, the student

PSO1: Should be able to apply the concepts of basic science, engineering fundamentals and Computer Science and Engineering to provide computer aided solutions for complex Engineering problems.

PSO2: Should be able to apply technical knowledge to develop, test and maintain software and hardware tools for meeting the automation needs in the industry and society.

PSO3: Should have the capability to analyze, comprehend, design and develop computer applications for a variety of engineering problems and thus demonstrating professional ethics and concern for societal well being.

Programme Educational Objectives

PEO1: To produce graduates who can demonstrate technical competence in the field of Computer Science and Engineering to design, execute and sustain state of the art technology and innovation to solve a wide range of computational problems in Research and Industry.

PEO2: To produce graduates who will be employed as Computer professionals, Researchers, Entrepreneurs and Innovators, taking individual responsibility and work as a part of a team towards the fulfillment of both individual and organizational goals.

PEO3: To produce graduates who will be successful in pursuing higher studies globally and function effectively in a multi-disciplinary environment, engaging in life-long learning and professional development.

B. Tech. (IT)

Programme Outcomes (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Information Technology to the solution of complex engineering problems

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex problems in Information Technology reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3:Design/development of solutions: Design Information Technology based solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage Information Technology projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

At the end of the program, the student should be able to:

PSO 1: To apply the knowledge of basic sciences, engineering and information technology to provide solutions for complex Engineering problems.

PSO 2: To apply technical knowledge and use of modern tools for solving problems in web development, network and cloud management, artificial intelligence, machine learning and cryptography.

PSO 3: To analyze, comprehend, design and develop computer and IT applications for a variety of engineering problems and thus demonstrating professional ethics and concern for societal well being.

Programme Educational Objectives

PEO1: To produce graduates who can demonstrate technical competence in the field of Information Technology with a strong background of natural science and mathematics to design, execute and sustain state of the art technology and innovation to solve a wide range of problems in IT Research and Industry.

PEO2: To produce graduates who will be employed as IT professionals, Researchers, Entrepreneurs and Innovators, taking individual responsibility and work as a part of a team towards the fulfillment of both individual and organizational goals.

PEO3: To produce graduates who will be successful in pursuing higher studies globally and function effectively in a multi-disciplinary environment, engaging in life-long learning and professional development.

B.Tech ECE

Programme Outcomes (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Electronics and Communication Engineering to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex problems in Electronics and Communication Engineering reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design computer based solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modelling to complex Electronics and Communication Engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

At the end of the program, the student should be able

PSO 1: To apply the concepts of Science, Mathematics and Engineering to solve complex challenges in Electronics and Communication Engineering.

PSO 2: To apply technical knowledge to design new products, develop, test and maintain software and hardware tools for meeting the automation needs in the industry and society.

PSO 3: To analyze, comprehend, design and develop viable and cost-effective solutions for a variety of engineering problems and thus demonstrating professional ethics and concern for societal well-being.

Programme Educational Objectives

PEO1: To produce graduates who can demonstrate technical competence in the field of Electronics and Communication Engineering to design, develop and implement futuristic technology to find creative and innovative solutions to engineering problems in Research and Industry.

PEO2: To produce graduates who will be employed as professionals, Researchers, Entrepreneurs and Innovators, in the field of Electronics and Communication Engineering, taking individual responsibility and work as a part of a team towards the fulfillment of both individual and organizational goals.

PEO3: To produce graduates who will be successful in pursuing higher studies in the field of Electronics and Communication Engineering globally and function effectively in a multi-disciplinary environment, engaging in life-long learning and professional development.

B.Tech DS

Programme Outcomes (POs)

PO1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer science and engineering specialization to solve the complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using mathematics, basic sciences, and computer science and engineering especially in the field of Artificial Intelligence and Data Science

PO3 Design/Development of Solutions: Design solutions for complex engineering problems using appropriate knowledge of Artificial Intelligence for the health sector, finance sector, manufacturing and supply chain management sectors.

PO4 Modern Tool Usage: Create, select and apply appropriate techniques, resources and IT tools (Python Programming, R Studio, Tensorflow , Keras, and the other platforms providing AI solutions) which helps in building models using Artificial Intelligence.

PO5 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, security, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO6 Environment and sustainability: Understand the impact of Computer Science and engineering solutions in societal and environmental contexts, and demonstrate the knowledge of the same need for sustainable development.

PO7 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO8 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO09 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO10 Project management and finance: Demonstrate knowledge and understanding of the Artificial Intelligence concerns and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO11 Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in advancement of Artificial Intelligence and Machine Learning.

Program Specific Outcomes (PSOs)

PSO1 Students will be able to demonstrate the ability to systematically and independently solve complex problems of research and development in the field of Data Science, by analyzing, formulating sub-tasks, and proposing innovative solutions.

PSO2 Apply the concepts and practical knowledge in analysis, design and development of data driven decision making systems and applications to solve multi-disciplinary problems.

PSO3 To provide a concrete foundation and enrich their abilities to qualify for employment, higher studies and research in Data science and Artificial intelligence with ethical values.

PSO4 Students will be able to apply creative and innovative techniques to identify the issues and develop Artificial Intelligence applications using different techniques such as Computer Vision, Natural Language Processing, Deep Learning, Speech Processing.

Programme Educational Objectives

PEO1 To prepare graduates as leading professionals globally in government, academia, corporate and research organizations along with entrepreneurial pursuits.

PEO2 The graduates will establish themselves as professionals by solving real-life problems using exploratory and analytical skills acquired in the field of Computer Science and Engineering.

PEO3 To prepare the graduates with strong learning quotients having adaptability to the constantly changing technological environment.

PEO4 To prepare the graduates to lead and initiate ethically the professional and organizational goals in an interdisciplinary team and obtain desired results.

B.Tech AI &ML

Programme Outcomes (POs)

PO1 Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer science and engineering specialization to solve the complex engineering problems.

PO2 Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using mathematics, basic sciences, and computer science and engineering specially in the field of Artificial Intelligence and Machine Learning

PO3 Design/Development of Solutions: Design solutions for complex engineering problem using appropriate knowledge of Artificial Intelligence for the health sector, finance sector, manufacturing and supply chain management sectors.

PO4 Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information using machine learning algorithms to provide valid conclusions.

PO5 Modern Tool Usage: Create, select and apply appropriate techniques, resources and IT tools (Python Programming, R Studio, TensorFlow, Keras, and the other platforms providing AI solutions) which helps in building models using Artificial Intelligence.

PO6 The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, security, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 Environment and sustainability: Understand the impact of Computer Science and engineering solutions in societal and environmental contexts, and demonstrate the knowledge of the same need for sustainable development.

PO8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

PO9 Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11 Project management and finance: Demonstrate knowledge and understanding of the Artificial Intelligence concerns and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in advancement of Artificial Intelligence and Machine Learning.

Program Specific Outcomes (PSOs)

At the end of the program,

PSO1 Students will be able to demonstrate the ability to systematically and independently solve complex problems of research and development in the field of Artificial Intelligence and Machine Learning, by analyzing, formulating sub-tasks, and proposing innovative solutions.

PSO2 Students will be able to formulate mathematical models and problem-solving skills through programming techniques for addressing real-time problems using appropriate artificial intelligence and machine learning algorithms.

PSO3 Students will able to provide design, build, and deploy a distributed application and provide solutions using Artificial Intelligence applications to enhance business measures by sharing information safely and effectively

PSO4 Students will be able to apply creative and innovative techniques to identify the issues and develop Artificial Intelligence applications using different techniques such as Computer Vision, Natural Language Processing, Deep Learning, and Speech Processing.

Programme Educational Objectives

PEO1 To prepare graduates as leading professionals globally in government, academia, corporate and research organizations along with entrepreneurial pursuits.

PEO2 To prepare graduates with an ability to articulate and solve problems in the field of Computer Science and Engineering with Artificial Intelligence and Machine Learning approach

PEO3 To prepare the graduates with strong learning quotients having adaptability to the constantly changing technological environment.

PEO4 To prepare the graduates to lead and initiate ethically the professional and organizational goals in an interdisciplinary team and obtain desired results

B.Tech CCE

Program Outcomes

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer and Communication Engineering to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex problems in Computer and Communication Engineering reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3:Design/development of solutions: Design computer based solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcome

At the end of the program, the student

PSO1: Should be able to apply the concepts of basic science, engineering science, data science, networking and software application development to provide computer aided solutions for complex engineering problems.

PSO2: Should be able to apply technical knowledge and use of modern tools for solving problems in software, networking, programming, operating systems, web development, and database management.

PSO3: Should have the capability to analyze, comprehend, design and develop computer applications for a variety of engineering problems and thus demonstrating professional ethics and concern for societal well being.

Program Educational Objectives

PEO1: To produce graduates who can demonstrate technical competence in the field of Computer and Communication Engineering to design, execute and sustain cutting edge technology and innovation to solve a wide range of Computational and Networking problems in research and industry.

PEO2: To produce graduates who will be employed as professionals, researchers, entrepreneurs and innovators in the field of Computer and Communication Engineering, taking individual responsibility and work as a part of a team towards the fulfillment of both individual and organizational goals.

PEO3: To produce graduates who will be successful in pursuing higher studies globally and function effectively in a multi-disciplinary environment, engaging in life-long learning and professional development.

SCHOOL OF DESIGN

CMR UNIVERSITY
BENGALURU

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B.Des-Communication Design

B.Des-Product Design

Programme Outcomes (POs)

PO1: Graduates would gain thorough comprehensive knowledge and attitude to creatively and systematically apply the principles and practices of Product Design in the current professional design landscape.

PO2: Graduates would be able to demonstrate progressive affective domain development of ethical values and the role of Design in society, business and environment.

PO3: Graduates would be able to prove their proficiency and competency in their further pursuit of higher education on national and international level.

PO4: Graduates would possess creativity and contemporary knowledge in the relevant field to initiate and build upon entrepreneurial ventures or demonstrate Intrapreneurship in their employer organizations.

PO5: Graduates would be able to realize the attributes and roles of designers, as entrepreneurs, Intrapreneurs, employees, consultants, and researchers, which would help them acquire the diversified knowledge and required soft skills for making critical decisions.

Program Specific Outcomes (PSOs)

PSO1: Specialist Knowledge: Graduates would acquire in-depth knowledge and thorough understanding of the principles, concepts, technology, and skills in the core areas of Product Design, applying both quantitative and qualitative knowledge, and Design Thinking to their future careers in the creative industry or further education.

PSO2: Decision Making: Graduates would enhance their skills such as effective communication, decision making, problem solving and interpersonal relations to manage their profession. They are expected to take the responsibility of decision making rather than remain instructed designers.

PSO3: Problem Solving: Graduates would demonstrate their critical thinking and ability to identify and formulate research and project briefs, conduct research and analysis to provide valid conclusions and contextual approaches across diversified areas, and provide prototypes of viable solutions for the same.

PSO4: Communication: Graduates would be able to exhibit their confidence of their core competency and effectively communicate within the design and design-related industry, design community, and society at large, such as, being able to converse, comprehend and write effective reports and design documentation, make effective presentations, and instructions through various mediums.

PSO5: Lifelong Learning: Graduates would recognize the necessity for adapting to changes and possess the aptitude and ability of lifelong learning process to manage socio-economic, technological and global changes.

Programme Educational Objectives

PEO1: Enlighten students with broad contemporary knowledge, technology and skills in the discipline of Design in the local and global context.

PEO2: Create a concrete foundation for the students to pursue practice and entrepreneurship in the field of Product Design and specialisations in these domains.

PEO3: Encourage students to pursue quality research in the domain of Product Design.

PEO4: Transform the students for taking dynamic leadership positions across different levels in leading organizations across sectors at both domestic and international levels.

PEO5: Inculcate a good sense of social responsibility, commitment, and accountability among the students through various social activities with exposure to ethics, human rights, value system, and environment.

B.Des-Fashion Design

Programme Outcomes (POs)

PO1: Graduates would gain thorough comprehensive knowledge and attitude to creatively and systematically apply the principles and practices of Fashion Design in the current professional design landscape.

PO2: Graduates would be able to demonstrate progressive affective domain development of ethical values and the role of Design in society, business and environment.

PO3: Graduates would be able to prove their proficiency and competency in their further pursuit of higher education on national and international level.

PO4: Graduates would possess creativity and contemporary knowledge in the relevant field to initiate and build upon entrepreneurial ventures or demonstrate Intrapreneurship in their employer organizations.

PO5: Graduates would be able to realize the attributes and roles of designers, as entrepreneurs, Intrapreneurs, employees, consultants, and researchers, which would help them acquire the diversified knowledge and required soft skills for making critical decisions.

Program Specific Outcomes (PSOs)

PSO1: Specialist Knowledge: Graduates would acquire in-depth knowledge and thorough understanding of the principles, concepts, technology, and skills in the core areas of Fashion Design, applying both quantitative and qualitative knowledge, and Design Thinking to their future careers in the creative industry or further education.

PSO2: Decision Making: Graduates would enhance their skills such as effective communication, decision making, problem solving and interpersonal relations to manage their profession. They are expected to take the responsibility of decision making rather than remain instructed designers.

PSO3: Problem Solving: Graduates would demonstrate their critical thinking and ability to identify and formulate research and project briefs, conduct research and analysis to provide valid conclusions and contextual approaches across diversified areas, and provide prototypes of viable solutions for the same.

PSO4: Communication: Graduates would be able to exhibit their confidence of their core competency and effectively communicate within the design and design-related industry, design community, and society at large, such as, being able to converse, comprehend and write effective reports and design documentation, make effective presentations, and instructions through various mediums.

PSO5: Lifelong Learning: Graduates would recognize the necessity for adapting to changes and possess the aptitude and ability of lifelong learning process to manage socio-economic, technological and global changes.

Programme Educational Objectives

PEO1: Enlighten students with broad contemporary knowledge, technology and skills in the discipline of Design in the local and global context.

PEO2: Create a concrete foundation for the students to pursue practice and entrepreneurship in the field of Fashion Design and specialisations in these domains.

PEO3: Encourage students to pursue quality research in the domain of Fashion Design.

PEO4: Transform the students for taking dynamic leadership positions across different levels in leading organizations across sectors at both domestic and international levels.

PEO5: Inculcate a good sense of social responsibility, commitment, and accountability among the students through various social activities with exposure to ethics, human rights, value system, and environment.

B.Des-Interior Design

Programme Outcomes (POs)

PO1: Graduates would gain thorough comprehensive knowledge and attitude to creatively and systematically apply the principles and practices of Interior Design in the current professional design landscape.

PO2: Graduates would be able to demonstrate progressive affective domain development of ethical values and the role of Design in society, business and environment.

PO3: Graduates would be able to prove their proficiency and competency in their further pursuit of higher education on national and international level.

PO4: Graduates would possess creativity and contemporary knowledge in the relevant field to initiate and build upon entrepreneurial ventures or demonstrate Intrapreneurship in their employer organizations.

PO5: Graduates would be able to realize the attributes and roles of designers, as entrepreneurs, Intrapreneurs, employees, consultants, and researchers, which would help them acquire the diversified knowledge and required soft skills for making critical decisions.

Program Specific Outcomes (PSOs)

PSO1: Specialist Knowledge: Graduates would acquire in-depth knowledge and thorough understanding of the principles, concepts, technology, and skills in the core areas of Interior Design, applying both quantitative and qualitative knowledge, and Design Thinking to their future careers in the creative industry or further education.

PSO2: Decision Making: Graduates would enhance their skills such as effective communication, decision making, problem solving and interpersonal relations to manage their profession. They are expected to take the responsibility of decision making rather than remain instructed designers.

PSO3: Problem Solving: Graduates would demonstrate their critical thinking and ability to identify and formulate research and project briefs, conduct research and analysis to provide valid conclusions and contextual approaches across diversified areas, and provide prototypes of viable solutions for the same.

PSO4: Communication: Graduates would be able to exhibit their confidence of their core competency and effectively communicate within the design and design-related industry, design community, and society at large, such as, being able to converse, comprehend and write effective reports and design documentation, make effective presentations, and instructions through various mediums.

PSO5: Lifelong Learning: Graduates would recognize the necessity for adapting to changes and possess the aptitude and ability of lifelong learning process to manage socio-economic, technological and global changes.

Programme Educational Objectives

PEO1: Enlighten students with broad contemporary knowledge, technology and skills in the discipline of Design in the local and global context.

PEO2: Create a concrete foundation for the students to pursue practice and entrepreneurship in the field of Interior Design and specialisations in these domains.

PEO3: Encourage students to pursue quality research in the domain of Interior Design.

PEO4: Transform the students for taking dynamic leadership positions across different levels in leading organizations across sectors at both domestic and international levels.

PEO5: Inculcate a good sense of social responsibility, commitment, and accountability among the students through various social activities with exposure to ethics, human rights, value system, and environment.

B.Des-Communication Design

Programme Outcomes (POs)

PO1: Graduates would gain thorough comprehensive knowledge and attitude to creatively and systematically apply the principles and practices of Communication Design in the current professional design landscape.

PO2: Graduates would be able to demonstrate progressive affective domain development of ethical values and the role of Design in society, business and environment.

PO3: Graduates would be able to prove their proficiency and competency in their further pursuit of higher education on national and international level.

PO4: Graduates would possess creativity and contemporary knowledge in the relevant field to initiate and build upon entrepreneurial ventures or demonstrate Intrapreneurship in their employer organizations.

PO5: Graduates would be able to realize the attributes and roles of designers, as entrepreneurs, Intrapreneurs, employees, consultants, and researchers, which would help them acquire the diversified knowledge and required soft skills for making critical decisions.

Program Specific Outcomes (PSOs)

PSO1: Specialist Knowledge: Graduates would acquire in-depth knowledge and thorough understanding of the principles, concepts, technology, and skills in the core areas of Communication Design, applying both quantitative and qualitative knowledge, and Design Thinking to their future careers in the creative industry or further education.

PSO2: Decision Making: Graduates would enhance their skills such as effective communication, decision making, problem solving and interpersonal relations to manage their profession. They are expected to take the responsibility of decision making rather than remain instructed designers.

PSO3: Problem Solving: Graduates would demonstrate their critical thinking and ability to identify and formulate research and project briefs, conduct research and analysis to provide valid conclusions and contextual approaches across diversified areas, and provide prototypes of viable solutions for the same.

PSO4: Communication: Graduates would be able to exhibit their confidence of their core competency and effectively communicate within the design and design-related industry, design community, and society at large, such as, being able to converse, comprehend and write effective reports and design documentation, make effective presentations, and instructions through various mediums.

PSO5: Lifelong Learning: Graduates would recognize the necessity for adapting to changes and possess the aptitude and ability of lifelong learning process to manage socio-economic, technological and global changes.

Programme Educational Objectives

PEO1: Enlighten students with broad contemporary knowledge, technology and skills in the discipline of Design in the local and global context.

PEO2: Create a concrete foundation for the students to pursue practice and entrepreneurship in the field of Communication Design and specialisations in these domains.

PEO3: Encourage students to pursue quality research in the domain of Communication Design.

PEO4: Transform the students for taking dynamic leadership positions across different levels in leading organizations across sectors at both domestic and international levels.

PEO5: Inculcate a good sense of social responsibility, commitment, and accountability among the students through various social activities with exposure to ethics, human rights, value system, and environment.

School of Economics and Commerce

CMR University
Bengaluru

B.Com

Program Outcomes (POs)

Graduates will be able to:

PO1: Demonstrate a strong foundation and understanding of various facets of commerce and business - business organizations, commercial transactions and business management.

PO2: Blend theoretical concepts with practice, furthering a critical skill set and a fresh perspective.

PO3: Develop knowledge and skills in a carefully selected subject combination of Accounting, Management, Tax, Finance, Marketing and Law.

PO4: Devise insights on day to day commercial procedures for becoming good leaders and assets for an organization.

Programme Specific Outcomes (PSOs)

Graduates will be able to:

PSO1: Show competency to pursue higher-level programs such as CA, CWA, M.COM, MBA or other Masters Programs in Commerce / Management.

PSO2: Apply one's disciplinary understanding of theories and principles to find a solution to problems of the business world.

Program Educational Objectives (PEOs)

PEO1: To instill in students the basic knowledge and fundamentals of commerce and business, to analyse the vitality of the country's current economic/business scenario and the business world at large to make valuable interpretations.

PEO2: To expose students with the interdisciplinary knowledge in different fields like finance, accounting, human resources, economics, marketing, statistical methods, international business, legal framework existing in the country and its comparison with international standards.

PEO3: To develop students' capability to work on qualitative and quantitative data, along with working on different softwares to interpret results and come to sound conclusions through critical judgments.

PEO4: To provide students with the knowledge of various procedures to enable them to identify the procedural anomalies and make a difference in the organisation.

PEO5: To develop skills that would help them undertake research and innovations in commerce and would enhance their employability.

PEO6: To provide comprehensive knowledge about current topics and scholarly research on chosen areas, techniques, and skills required to comprehend contemporary issues

B. Com (Honours)

Program Outcomes (POs)

Graduates will be able to:

PO1: Demonstrate a strong foundation and understanding of various facets of commerce and business and apply quantitative & qualitative knowledge to their future careers in business.

PO2: Blend theoretical concepts with practice, furthering creativity and critical thinking, skills needed to make critical decisions in the global business environment

PO3: Develop knowledge and skills in a carefully selected subject combination of Accounting, Management, Tax, Finance, Marketing and Law to become good leaders and assets for an organization.

PO4: Apply one's disciplinary understanding of commercial procedures, theories and principles to find a solution to problems of the business world.

Programme Specific Outcomes (PSOs)

Graduates will be able to:

PSO1: Understand the impact of the professional accounts and auditing solutions in societal and environmental contexts, and demonstrate the knowledge and need for sustainable development.

PSO2: Show competency to pursue higher-level programs such as CA, CWA, M.COM, MBA or other Masters Programs in Commerce / Management.

PSO3: Communicate effectively on complex business activities with the business community and society at large.

Program Educational Objectives (PEOs)

PEO1: To instill in students the basic knowledge and fundamentals of commerce and business, to analyze the vitality of the country's current economic/business scenario and the business world at large to make valuable interpretations.

PEO2: To expose students with the interdisciplinary knowledge in different fields like finance, accounting, human resources, economics, marketing, statistical methods, international business, legal framework existing in the country and its comparison with international standards.

PEO3: To develop students' capability to work on qualitative and quantitative data, along with working on different softwares to interpret results and come to sound conclusions through critical judgments.

PEO4: To provide students with the knowledge of various procedures to enable them to identify the procedural anomalies and make a difference in the organization.

PEO5: To develop skills that would help them undertake research and innovations in commerce and would enhance their employability.

PEO6: To provide comprehensive knowledge about current topics and scholarly research on chosen areas, techniques, and skills required to comprehend contemporary issues

B. Com (IAF)

Program Outcomes (POs)

Graduates will be able to:

PO1: Prove their proficiency in gaining globally recognized ACCA certificate along with their regular Honors Degree.

PO2: Gain thorough comprehensive knowledge in various disciplines of commerce, accounting, finance, auditing, taxation and management.

PO3: Able to realize the attributes and roles of entrepreneurs, managers, auditors and consultants, which would help them to acquire the diversified knowledge and required soft skills for making critical decisions.

PO4: Graduates would understand the impact of the professional accounts, finance, taxation and auditing solutions in societal and environmental contexts, and demonstrate the knowledge towards sustainable development.

Programme Specific Outcomes (PSOs)

Graduates will be able to:

PSO1: Specialist Knowledge: Graduates would acquire relevant accounting, finance and auditing professional skills, applying both quantitative and qualitative knowledge to their future careers in global business.

PSO2: Skills Development: Graduates would be equipped with professional, inter personal and entrepreneurial skills to work as tax consultant, auditors and other financial supporting services.

PSO3: Innovation: Graduates would possess creativity and contemporary knowledge in the field of accounting, finance and taxation to discover and implement novel practices in the global business environment.

PSO4: Communication: The graduate would effectively communicate on complex accounting and taxation

problems with the business community and society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give instructions.

PSO5: Higher Education and Research: Graduates would be able to progress their higher education and advance research in the field of accounting, taxation, finance and management

Program Educational Objectives (PEOs)

PEO1: Collaborate with Association of Chartered Certified Accountants (ACCA) to qualify students to gain globally recognized ACCA certificates along with B. Com (Hons.)

PEO2: Provide exposure to students according to latest global trends in the field of accounting, finance, business laws, management and taxation to gain relevant knowledge, competence and creativity to face global challenges.

PEO3: Motivate, transform and develop the students for taking dynamic leadership positions across different levels in leading business organizations at both domestic and international levels

PEO4: Inculcate a good sense of social responsibility, commitment, and accountability among the students through various social activities with exposure to ethics, human rights, value system, and environment.

B. Com (IBF)

Programme Outcomes (POs)

Graduates will be able to:

PO1: Demonstrate a strong foundation and understanding of various facets of commerce and business and apply quantitative & qualitative knowledge to meet the challenges of the modern-day business organisations

PO2: Blend theoretical concepts with practice, furthering creativity and critical thinking, skills needed to make critical decisions in the global business environment

PO3: Develop knowledge and skills in a carefully selected discipline combination of commerce, accounting, finance, auditing, taxation and management to become good leaders and assets for an organization.

PO4: Apply contemporary knowledge and professional & entrepreneurial skills for making critical decisions to discover and implement novel practices in the global business environment.

Programme Specific Outcomes (PSOs)

Graduates will be able to:

PSO1: Demonstrate intellectual, interpersonal and social skills to make informed, sustainable and ethical decisions to lead management positions in different organizations.

PSO2: Illustrate competency to pursue higher education and advance research in the field of commerce, finance and management.

PSO3: Communicate effectively about complex business activities with the business community and society at large; by designing effective reports and documentation, making effective presentations, and delivering clear instructions

Program Educational Objectives (PEOs)

PEO1: To instill in students the knowledge and capability of understanding the latest advancements in business and commerce from a theoretical and practical perspective.

PEO2: To expose students to the latest global trends and build interdisciplinary knowledge in the field of commerce to gain relevant knowledge, competence and creativity to face global challenges.

PEO3: To provide students with comprehensive knowledge of various procedures to identify the procedural anomalies and make a difference in the working of an organization.

PEO4: To inculcate a good sense of social responsibility, commitment, and accountability among the students through various social activities with exposure to ethics, human rights, value system, and environment.

PEO5: To develop relevant skills and competencies necessary to undertake professional certifications, higher education, entrepreneurial activities and dynamic leadership positions across different levels in leading business organizations at both domestic and international levels

B. Com (Industry Integrated)

Programme Outcomes (POs)

Graduates will be able to:

PO1: Demonstrate a strong foundation and understanding of various facets of commerce and business - business organizations, commercial transactions and business management.

PO2: Blend theoretical concepts with practice, furthering a critical skill set and a fresh perspective.

PO3: Develop knowledge and skills in a carefully selected subject combination of Accounting, Management, Tax, Finance, Marketing and Law.

PO4: Devise insights on day to day commercial procedures for becoming good leaders and assets for an organization.

PO5: Develop Practical knowledge of industrial business functioning.

Programme Specific Outcomes (PSOs)

Graduates will be able to:

PSO1: Show competency to pursue higher-level programs such as CA, CWA, M.COM, MBA or other Masters Programs in Commerce / Management.

PSO2: Apply one's disciplinary understanding of theories and principles to find a solution to problems of the business world.

PSO3: Match with the industry specific requirements in the contemporary job market.

Program Educational Objectives (PEOs)

PEO1: To instill in students the basic knowledge and fundamentals of commerce and business, to analyze the vitality of the country's current economic/business scenario and the business world at large to make valuable interpretations.

PEO2: To expose students with the interdisciplinary knowledge in different fields like finance, accounting, human resources, economics, marketing, statistical methods, international business, legal framework existing in the country and its comparison with international standards.

PEO3: To develop students' capability to work on qualitative and quantitative data, along with working on different softwares to interpret results and come to sound conclusions through critical judgments.

PEO4: To provide students with the knowledge of various procedures to enable them to identify the procedural anomalies and make a difference in the organization.

PEO5: To develop skills that would help them undertake research and innovations in commerce and would enhance their employability.

PEO6: To provide comprehensive knowledge about current topics and scholarly research on chosen areas, techniques, and skills required to comprehend contemporary issues

B.Com. (Professional – CA Integrated)

Programme Outcomes (POs)

Graduates will be able to:

PO1: Graduates would gain thorough comprehensive knowledge in accounting, finance, auditing, taxation and management and related aspects at various levels along with B. Com CA professional Degree.

PO2: Graduates would be able to acquire the diversified knowledge and required soft skills for making critical decisions.

PO3: Graduates would understand the impact of the professional accounts, finance, taxation and auditing solutions in sustainable development of business.

PO4: Graduates are expected to complete the CA Foundation in I Year and CA-Inter in II/ III Year and thereafter they will be well equipped to complete their CA final exam.

Programme Specific Outcomes (PSOs)

Graduates will be able to:

PSO1: Understand the impact of the professional accounts and auditing solutions for sustainable development of business.

PSO2: Communicate effectively on business problems & take appropriate decisions with the business community and society at large.

PSO3: Show competency to pursue higher-level programs such as CA, ICWA, M.COM, MBA or other Masters Programs in Commerce / Management.

Program Educational Objectives (PEOs)

PEO1: Shape students' career in CA and prepares them for successful careers in Accounting and finance along with B. Com.

PEO2: Opportunity to interact and learn from Qualified Professionals like Chartered Accountants, Company Secretaries, Lawyers etc.

PEO3: Expose students to National and International accounting and financial practices.

PEO4: Inculcate a good sense of social responsibility, commitment, and accountability among the students through various social activities with exposure to ethics, human rights, value system, and environment.

BCA (General)

Programme Outcomes (POs)

Graduates will be able to:

PO1: Knowledge: Apply the knowledge of mathematics and computer science specialization to analyze and solve problems.

PO2: Problem analysis: Identify, formulate and analyze complex problems and find simple solutions

PO3:Design and development of solutions: Design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Modern tool usage: Create, select and apply appropriate techniques, resources and IT tools.

PO5: Environment and Sustainability: Understand the impact of the professional solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO6: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms in the field of technology.

PO7: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO8: Communication: Communicate effectively on activities with the society at large, such as, being able to make effective presentations, and give and receive clear instructions.

PO9:Project management and finance: Demonstrate knowledge and understanding of the computer science principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO10: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

Graduates will be able to:

PSO1:An ability to apply knowledge of Mathematics, Computer Science and Management in practice.

PSO2:An ability to enhance comprehensive understanding of the theory and its applications in diverse fields.

PSO3:The program prepares the young professionals for a range of Computer Applications, Computer Organization, Graphics and Multimedia,techniques of Computer Networking, Software Engineering,Web Technologies, Data Mining , IOT, Python and Mobile Application Development .

PSO4: An ability to apply the latest technologies in creating innovative solutions for real world problems in multidisciplinary streams.

Programme Educational Objectives (PEOs)

PEO1:Graduates will be equipped with the prequalification for professionals

heading for a smart career in the IT field, which measures up to industry standards.

PEO2:Graduates will demonstrate the knowledge to analyze, design and code software applications.

PEO3:Graduates will be competent with the ability to understand the concepts of logic development, best software practices used in industry.

PEO4:Graduates will be proficient to gain an opportunity for Higher education in esteemed institutions/Academic Research centers.

BCA(Datascience)

Programme Outcomes (POs)

Graduates will be able to:

PO1: Knowledge: Apply the knowledge of mathematics and computer science specialization to analyze and solve problems.

PO2: Problem analysis: Identify, formulate and analyze complex problems and find simple solutions

PO3:Design and development of solutions: Design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Modern tool usage: Create, select and apply appropriate techniques, resources and IT tools.

PO5: Environment and Sustainability: Understand the impact of the professional solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO6: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms in the field of technology.

PO7: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO8: Communication: Communicate effectively on activities with the society at

large, such as, being able to make effective presentations, and give and receive clear instructions.

PO9:Project management and finance: Demonstrate knowledge and understanding of the computer science principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO10: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

Graduates will be able to:

PSO1:An ability to apply knowledge of Mathematics, Computer Science and Management in practice.

PSO2:An ability to enhance comprehensive understanding of the theory and its applications in diverse fields.

PSO3:The program prepares the young professionals for a range of Computer Applications, Computer Organization, Graphics and Multimedia,techniques of Computer Networking, Software Engineering,Web Technologies, Data Mining , IOT, Python and Mobile Application Development .

PSO4: An ability to apply the latest technologies in creating innovative solutions for real world problems in multidisciplinary streams.

Programme Educational Objectives (PEOs)

PEO1:Graduates will be equipped with the prequalification for professionals heading for a smart career in the IT field, which measures up to industry standards.

PEO2:Graduates will demonstrate the knowledge to analyze, design and code software applications.

PEO3:Graduates will be competent with the ability to understand the concepts of logic development, best software practices used in industry.

PEO4:Graduates will be proficient to gain an opportunity for Higher education in esteemed institutions/Academic Research centers.

BCA(Cloud Computing)

Programme Outcomes (POs)

Graduates will be able to:

PO1: Knowledge: Apply the knowledge of mathematics and computer science specialization to analyze and solve problems.

PO2: Problem analysis: Identify, formulate and analyze complex problems and find simple solutions

PO3:Design and development of solutions: Design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Modern tool usage: Create, select and apply appropriate techniques, resources and IT tools.

PO5: Environment and Sustainability: Understand the impact of the professional solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO6: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms in the field of technology.

PO7: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO8: Communication: Communicate effectively on activities with the society at large, such as, being able to make effective presentations, and give and receive clear instructions.

PO9:Project management and finance: Demonstrate knowledge and understanding of the computer science principles and apply these to one's own work, as a member and leader in a team, to manage projects and in

multidisciplinary environments.

PO10: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

Graduates will be able to:

PSO1:An ability to apply knowledge of Mathematics, Computer Science and Management in practice.

PSO2:An ability to enhance comprehensive understanding of the theory and its applications in diverse fields.

PSO3:The program prepares the young professionals for a range of Computer Applications, Computer Organization, Graphics and Multimedia,techniques of Computer Networking, Software Engineering,Web Technologies, Data Mining , IOT, Python and Mobile Application Development .

PSO4: An ability to apply the latest technologies in creating innovative solutions for real world problems in multidisciplinary streams.

Programme Educational Objectives (PEOs)

PEO1:Graduates will be equipped with the prequalification for professionals heading for a smart career in the IT field, which measures up to industry standards.

PEO2:Graduates will demonstrate the knowledge to analyze, design and code software applications.

PEO3:Graduates will be competent with the ability to understand the concepts of logic development, best software practices used in industry.

PEO4:Graduates will be proficient to gain an opportunity for Higher education in esteemed institutions/Academic Research centers.

MCA

Programme Outcomes (POs)

Graduates will be able to:

PO1: Knowledge: Apply the knowledge of mathematics and computer science specialization to analyze and solve problems.

PO2: Problem analysis: Identify, formulate and analyze complex problems and find simple solutions

PO3:Design and development of solutions: Design solutions for complex problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Modern tool usage: Create, select and apply appropriate techniques, resources and IT tools.

PO5: Environment and Sustainability: Understand the impact of the professional solutions in societal and environmental contexts and demonstrate the knowledge of, and need for sustainable development.

PO6: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms in the field of technology.

PO7: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO8: Communication: Communicate effectively on activities with the society at large, such as, being able to make effective presentations, and give and receive clear instructions.

PO9:Project management and finance: Demonstrate knowledge and understanding of the computer science principles and apply these to one's own work, as a member and leader in a team, to manage projects and in

multidisciplinary environments.

PO10: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

Graduates will be able to:

PSO1:An ability to apply knowledge of Mathematics, Computer Science and Management in practice.

PSO2:An ability to enhance comprehensive understanding of the theory and its applications in diverse fields.

PSO3:The program prepares the young professionals for a range of Computer Applications, Computer Organization, Graphics and Multimedia,techniques of Computer Networking, Software Engineering,Web Technologies, Data Mining , IOT, Python and Mobile Application Development .

PSO4: An ability to apply the latest technologies in creating innovative solutions for real world problems in multidisciplinary streams.

Programme Educational Objectives (PEOs)

PEO1:Graduates will be equipped with the prequalification for professionals heading for a smart career in the IT field, which measures up to industry standards.

PEO2:Graduates will demonstrate the knowledge to analyze, design and code software applications.

PEO3:Graduates will be competent with the ability to understand the concepts of logic development, best software practices used in industry.

PEO4:Graduates will be proficient to gain an opportunity for Higher education in esteemed institutions/Academic Research centers.

Vision and Mission of CMR University

Vision

To nurture creative thinkers and doers who will drive positive global change.

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.

https://www.cmr.edu.in/about-cmru/

Vision and Mission of School of Engineering Technology

Vision

To educate students who will advance society by seeking continuous innovation in science, technology and research

Mission

- To offer interdisciplinary, technology led, project based programmes to create innovative, ethical and responsible technocrats
- To promote collaborative research focussed learning environment that develops highly intellectual, creative thinkers committed to delivering techno-economic solutions
- Sensitize students to the global problems of environment, sustainability and growth, to create a better world and long lasting impact

Vision and Mission of School of Science and Computer Studies

Vision

To provide professional education integrated with globally relevant technology.

Mission

- To motivate students to pursue a quality-driven lifelong learning and continuing education by providing an educational experience, well grounded in mathematical and scientific principles as well as fundamental concepts and theories of computer science.

- To adapt academic activities to meet the ever-changing needs of society and industry.
- To recognize and encourage excellence in academics and research.

Vision and Mission of School of Economics and Commerce

Vision

To nurture creative minds to drive positive global change.

Mission

To offer high quality need-based programmes in 'Economics and Commerce' for inclusive growth of society and economy.

To engage talented intellectual capital with strong diversity in knowledge and experience for relevant knowledge creation and dissemination.

To focus on research-led education with emphasis on innovation and interdisciplinary learning.

To be a driver of social and economic change through positive knowledge interventions.

Vision and Mission of School of Design

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.

Mission

- To perpetuate a collaborative spirit, space and competence driven by Design Thinking and Design Doing equally, and UN SDGs.
- 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 global 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.

1. Course Name: **PROBLEM SOLVING USING PYTHON**
Course Code: **4CSPL1011**

On successful completion of the course, students will be able to do the following.

CO1: Understand the basis of algorithm problem solving using algorithms showing its global importance.

CO2: Read/Write simple Python programs.

CO3: Write Python programs with conditionals and loops.

CO4: Use Python functions and Python data structures.

CO5: Read and write data from/to files in Python programs.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*		*								*		
CO2	*				*								*		
CO3	*	*	*	*	*								*		
CO4	*	*	*	*	*								*		
CO5	*				*								*		

2. **Course Name: WEB DEVELOPMENT USING PYTHON AND DJANGO**
Course code: 4CSPL2011

On successful completion of the course, students will be able to do the following.

CO1: Create the database using SQLite and show how it has relevance to solving common global problems.

CO2: Create web client programs using Python.

CO3: Create web server programs using Python.

CO4: Create a website using the Django framework.

CO5:Create to-do applications using Django and React JS.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*	*			*								*		*
CO3	*	*	*	*	*								*		*
CO4	*	*	*	*	*								*		
CO5	*	*			*								*		*

3. Course Name: **PYTHON FOR DATA SCIENCE**

Course Code: **4CSPL3011**

On successful completion of the course, students will be able to do the following.

CO1: Analyze data science applications.
CO2: Apply data collection and wrangling techniques.
CO3: Analyze how to manipulate the uncharted datasets using NumPy.
CO4: Analyze how to manipulate the uncharted datasets using Pandas.
CO5: Apply visualization techniques and show how it has relevance to solve common global problems.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*		*								*		
CO2	*	*			*								*		

CO3	*	*	*	*	*								*	*	
CO4	*	*	*	*	*								*	*	*
CO5	*	*		*	*								*	*	*

4. Course Name: **INTRODUCTION TO MACHINE LEARNING**
Course Code: **4CSPL2041**
On successful completion of the course, students will be able to do the following.

CO1: Apply various classification and clustering techniques for solving problems using tools like R and Python

CO2: Implement solutions for various prediction problems using tools

CO3: Design and development of game and traffic control system using reinforcement learning.

CO4: Identify and apply the appropriate machine-learning techniques for classification, Pattern recognition, optimization, and decision problems.

CO5: Development of techniques in information science applications by applying Computational intelligence and appropriate machine learning techniques.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

5. Course Name: **CLOUD COMPUTING**
Course Code: **4CSGC2071**
On successful completion of the course, students will be able to do the following.

CO1: Explain main concepts, key technologies, strengths and limitations of cloud computing.
CO2: Explain the cloud enabling technologies that help in the development of the cloud .
CO3: Develop the ability to use the architecture of compute and storage cloud, service and delivery models.
CO4: Design the prototype of the software projects.
CO5: Choose the appropriate technologies and approaches for implementation and use of cloud.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

6. Course Name: **SOFTWARE ENGINEERING**
Course Code: **4CSGC2081**
On successful completion of the course, students will be able to do the following.

CO1: Explain the principles of the engineering processes in software development.

CO2: Develop the software projects through activities such as planning and scheduling.

CO3: Classify and specify the requirements for the software projects in different domains and countries.

CO4: Design the prototype of the software projects.

CO5: Implement the software development processes activities from requirements to validation and verification.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*										*		
CO2	*	*			*								*	*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*								*	*	
CO5	*	*											*		*

8. Course Name: **Indian Democracy, Participation & Social Change**
Course Code: **CKSAM1051**

On successful completion of the course, students will be able to do the following.

C01: Study a particular event in Indian history and trace the impact that can be felt to the present day.

C02: Understand the impact of the way a democracy is structured.

C03: Understand the freedoms that a citizen of India has, and what those mean in daily life.

C04: Understand the duties of an Indian citizen and how they translate to daily life.

C05: Gain an understanding of the workings of the government in their residential locality.

C06: Trace the impact of a single vote from their area of residence to the national scale.

C07: Understand the Indian democratic process and their role in it.

C08: Identify ways in which they can contribute to the progress of the country.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping															
	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*			*								*		
CO2	*	*	*	*	*								*		
CO3	*	*	*	*	*								*		
CO4	*				*								*		
CO5	*				*								*		
CO6	*	*	*		*								*		
CO7	*	*		*	*								*		
CO8	*	*	*	*	*								*		

9. Course: Applied Social Psychology
Course Code: 7PSYG2021
On successful completion of the course, students will be able to do the following.

CO1: Understand the processes that governs Social behaviour
CO2: Evaluate the procedures that influence gender related behaviour according to the national laws.
CO3: Application of how attitudes towards the Legal system influences behaviour
CO4: Application of Journal.
CO5: Application of Laws to prevent abuse discrimination and prejudice.

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping

CO-PO-PSO Mapping														
CO	PO									PSO				
	1	2	3	4	5	6	7	8	9	1	2	3	4	5
1					*						*			

2					*						*			
3				*		*					*			
4				*		*					*			
5				*		*					*			

10 Course: 7SWMP6261
Course Name: Clinical Social Work

On successful completion of the course, students will be able to do the following.

CO1: Develop an understanding of the nature, causes, types and treatment of community health and mental health disorders in children, adolescents and adults. (L2)
CO2: Acquire knowledge of socio-cultural factors influencing mental and physical health. (L3)
CO3: Develop a critical understanding of legal and ethical issues in clinical social work.
CO4: Able to develop understanding and expected competence about the task, role and function of clinical social work in various settings.(L2)
CO5: Able to develop understanding on Legislation & Health Policy in India.(L2)

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1								*				
2								*				
3			*						*			
4					*					*		
5				*				*				

11 Course Code: **7PSYC6231**

Course Name: **Community Psychology**

On successful completion of the course, students will be able to do the following.

CO1: To understand the importance of a theoretical basis for community development. (Level 2)

CO2: To differentiate between different theoretical concepts in community psychology (Level 2)

CO3: To apply the theoretical perspectives to prevent and manage social issues to the regional importance (Level 4)

CO4: To develop interventions and programs for promotion of community mental health (Level 2)

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping

CO-PO-PSO Mapping												
CO	**PO**						**PSO**					
	1	**2**	**3**	**4**	**5**	**6**	**1**	**2**	**3**	**4**	**5**	**6**
1	*					*		*				
2	*								*			
3			*			*			*			
4			*						*			

12 **Course: 7JRNM1031**

Course Name: Mass Media in India

On successful completion of the course, students will be able to do the following.

CO1: Gain an overall understanding of the history of the press and electronic media in India. (Level 1)

CO2: Understand the present status of media in India. (Level 3)

CO3: Understand the recent trends in Indian media social issues of regional importance . (Level 2)

CO4: Analyse Parallel Cinema and contemporary media. (Level 4)

N.B. - Please see the POs and PSOs at the end of this document. Alternatively, you can find all the POs in the "POs, PSOs, PEOs" document in the same folder in which this file is located.

CO-PO-PSO Mapping

CO-PO-PSO Mapping									
CO	PO					PSO			
	1	2	3	4	5	1	2	3	4
1	*					*			
2		*					*		
3			*			*			
4		*					*		

13 **Course: CPSAD1011**

Course Name: Design Thinking DTP

On successful completion of the course, students will be able to do the following.

O1: Apply teamwork towards building a solution. (Level 3)

O2: Apply basic Design Research to understand the common problems for local importance. (Level 3)

O3: Apply brainstorming as a way of innovative thinking. (Level 3)

CO4: Understand story-telling in Design Thinking. (Level 2)

CO-PO-PSO Mapping															
CO	PO												PSO		
	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2	PSO3
CO1	*	*	*										*		
CO2	*	*	*		*									*	
CO3	*	*	*	*									*	*	*
CO4	*	*	*		*										
CO5	*	*													*

14. Course Name: **Kannada Language**

Course Code: **CPSAL1041**

On successful completion of the course, students will be able to do the following.

CO1: Speak fluently and write effectively in Kannada which is essential for professional activities in the locality.

CO2: Gain cultural knowledge of Karnataka which is essential for professional and business success.

CO3: Gain specific knowledge on poetry, prose and grammar of the language and literature.

CO4: Will be able to write essays, and make notes by summarising.

CO5: Utilize the language skills for professional and business activities.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*								*		*		
CO2	*	*	*											*	
CO3	*	*	*										*	*	*
CO4	*	*	*								*				
CO5	*	*													*

15. **Course Name: Criminal Psychology**

Course Code: 7PSYC6171

On successful completion of the course, students will be able to do the following.

CO1: To describe the contribution of psychology at different levels of the criminal justice system.

CO2: To understand the relationship between human psychology, crime, and the justice system.

CO3: To conduct research in the field of criminal investigative analysis in India and abroad.

CO4: To apply the methods of criminal profiling to analyze crime scenes in different countries.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**
CO1	*	*	*								*		*		
CO2	*	*	*												
CO3	*	*	*										*		*
CO4	*	*	*								*		*		
CO5	*	*										*			*

16. Course Name: **System Security**

Course Code: **4CSGC3131**

On successful completion of the course, students will be able to do the following.

CO1: Describe the knowledge about secure software system assurance and evaluation.

CO2: To conduct a cyber security risk assessment.

CO3: To measure the performance and troubleshoot cyber security systems.

CO4: To implement cyber security solutions.

CO5: To analyze network security at a large scale including the networks spanning several countries.

CO-PO-PSO Mapping															
CO	**PO**												**PSO**		
	PO1	**PO2**	**PO3**	**PO4**	**PO5**	**PO6**	**PO7**	**PO8**	**PO9**	**PO10**	**PO11**	**PO12**	**PSO1**	**PSO2**	**PSO3**

CO1	*	*	*								*		*		
CO2	*	*	*											*	
CO3	*	*	*										*		*
CO4	*	*	*								*			*	
CO5	*	*										*			*

Programme Outcomes (POs)

PO1: Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and Computer Science and engineering to the solution of complex engineering problems.

PO2: Problem analysis: Identify, formulate, review research literature, and analyze complex problems in Computer Science and Engineering reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3: Design/development of solutions: Design computer based solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4: Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5: Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern Engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6: The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7: Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8: Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9: Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10: Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11: Project management and finance: Demonstrate knowledge and understanding of the Engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes (PSOs)

At the end of the program, the student

PSO1: Should be able to apply the concepts of basic science, engineering fundamentals and Computer Science and Engineering to provide computer aided solutions for complex Engineering problems.

PSO2: Should be able to apply technical knowledge to develop, test and maintain software and hardware tools for meeting the automation needs in the industry and society.

PSO3: Should have the capability to analyze, comprehend, design and develop computer applications for a variety of engineering problems and thus demonstrating professional ethics and concern for societal well being.

School of Engineering and Technology

1. Course Name: ENGINEERING MATHEMATICS-I

Course Code: 4MATH1011

CO1: Apply the knowledge of calculus to analyse and approximate the functions.

CO2: Calculate rates of change of multivariate functions.

CO3: Solve multiple integrals for computing area and volume.

CO4:Make use of Gradient, divergence and curl for solving Engineering problems.

CO5:Use the concept vector integration to solve the flow problems.

2. Course Name: ENGINEERING PHYSICS

Course Code: 4PHYS1011

CO1: Plot the I-V characteristics of photo-diode, LED and solar cells.

CO2: Make use of Lasers and Optical fibres for different industrial applications.

CO3: Explain the use of Semiconducting and Superconducting materials for different engineering applications.

CO4: Analyze the applications of quantum mechanics in technology.

CO5**:** Analyze the results obtained in different experiments.

3. Course Name: ELEMENTS OF ELECTRICAL & ELECTRONICS ENGINEERING

Course Code: 4ENEE1081

CO1: Analyze electrical circuits by relevant Laws in DC circuits.

CO2: Demonstrate the single phase and three-phase power generation by using the phasor diagrams.

CO3: Analyze digital circuits

CO4: Demonstrate the knowledge of Karnaugh maps by simplifying the algebraic equations and design the combinational circuits.

4. Course Name: ELEMENTS OF COMPUTER ENGINEERING

Course Code: 4CSGC1011

CO1: Demonstrate functioning of different sub-systems, OS and different types of OS.

CO2: Use different types of data structures, operations and algorithms.

CO3: Describe the fundamental elements of relational database management systems. CO4: Comprehend the layered protocol model & Classification of networks.

CO5: Demonstrate need for Linux OS and Linux commands.

5. Course Name: COMPUTER AIDED ENGINEERING DRAWING

Course Code: 4ENME1011

CO1: Illustrate competence in basics of orthographic projections of points, lines, planes and solids in three different views.

CO2: Apply the concepts of orthographic projections for simple objects.

CO3: Develop surfaces of solids of simple objects.

6. Course Name: ENGINEERING MATHEMATICS II

Course Code: 4MATH1021

CO1: Solve first order linear ordinary differential equations

CO2: Solve higher order differential equations arising through physical processes.

CO3: Construct a variety of partial differential equations and solve them.

CO4: Use periodic signals to represent periodic functions in the form of Fourier series.

CO5: Make use of matrix theory for solving system of linear equations.

7. Course Name: ENGINEERING CHEMISTRY

Course Code: 4CHEM1012

CO1: Explain the construction and working of Energy storage devices.

CO2: Explain corrosion of metals, factors and prevention techniques.

CO3: Explain the importance of the modern emerging field of nanotechnology.

CO4: Use instruments which give quick and accurate results for material analysis.

CO5: Carry out different types of titrations for estimation of concentration of an analyte.

8. Course Name: ELEMENTS OF MECHANICAL ENGINEERING AND WORKSHOP

Course Code: 4ENME1022

CO1 Recognizes the impact of energy sources on the environment and sustainability.

CO2 Explain the working principles of water, vapour and gas-powered systems.

CO3 Discuss the working principles of refrigeration systems and IC engines.

CO4 Compute various performance parameters of IC engines.

CO5 Demonstrate soldering, brazing and welding of sheet metal & welded joints.

9. Course Name: ELEMENTS OF CIVIL ENGINEERING

Course Code: 4ENCV1011

CO1: Explain the basics of Civil Engineering and related fields.

CO2: Develop working models with the laws of mechanics.

CO3: Analyze equilibrium of coplanar, concurrent and non-concurrent forces.

CO4: Determine centroid and moment of inertia of simple geometric figures.

CO5: Apply D'Alembert's principle in any specific application.

9. Course Name: PROBLEM SOLVING USING PYTHON

Course Code: 4CSPL1011

CO1: Understand the basis of algorithm problem solving

CO2: Read/Write simple simple python programs

CO3: Develop python programs with conditionals and loops

CO4: Use python functions and python data structures

CO5: Read and write data from/to files in python programs

10.Course Name: Engineering Mathematics-III

Course code : 4MATH2131

CO1: Explain the propositional, predicate logic and truth table by evaluating correctness of argument

CO2: Discuss the type of relationship and apply the knowledge using the Hasse diagram.

CO3: Demonstrate the knowledge of combinatorics by solving relevant problems.

CO4: Apply binomial, Poisson, normal and exponential probability distributions to solve engineering problem

CO5: Construct elementary regression models by the method of least squares

11. Course Name: PROBLEM SOLVING AND PROGRAMMING USING C

Course code : 4CSPL1111

CO1: Explain the basic computer concepts and programming principles of C language

CO2: Develop C programs to solve simple mathematical, engineering problems using conditionals and looping constructs

CO3: Develop C programs to demonstrate the applications of arrays in C

CO4: Execute programs to demonstrate the basic concepts of Strings and Pointers

CO5: Develop C programs to demonstrate the applications of functions in C

12. Course Name: DATA STRUCTURES

Course code : 4CSPL1022

CO1: Choose appropriate data structure as applied to specified problem Definition

CO2: Handle operations like searching, insertion, deletion, traversing mechanism etc. on various data structures

CO3: Apply concepts learned in various domains like DBMS, compiler etc.

CO4: Use linear and non-linear data structures like stacks, queues, linked lists

CO5: write the programs using data structures in any programming language

13. Course Name: Digital Logic Design

Course code : 4ENCE2012

CO1: Make use of fundamental concepts to implement digital logic functions.

CO2: Build a different combinational logic circuit.

CO3: Develop synchronous and asynchronous sequential circuits, and realize using Hardware description Language and programmable logic devices.

CO4: Develop a sequential circuit using Memory and PLDs

CO5: Design finite state machines for different applications.

14. Course Name: WEB DEVELOPMENT USING PYTHON AND DJANGO

Course code : 4CSPL2011

CO1: Create database using SQLite.

CO2: Create web client programs using python.

CO3: Create web server programs using python.

CO4: Create a website using the Django framework.

CO5:Create to-do applications using Django and React JS.

15. Course Name: MAKING WITH ELECTRONICS

Course code : CPSES1011

CO1: Demonstrate the interfacing of basic input and output devices using Arduino.

CO2: Explain the working principles of various sensors and renewable energy sources.

CO3: Apply the understanding of Arduino programming by interfacing sensors and communication devices.

CO4: Demonstrate the interfacing of basic input and output devices using Raspberry Pi.

CO5: Analyze and Build a real-time application employing Arduino / Raspberry Pi.

16. Course Name: OPERATING SYSTEMS

Course Code: 4CSGC2041

CO1: Explain various functionalities of OS and concept of multithreading

CO2: Apply process scheduling and synchronization techniques

CO3:Apply appropriate method to overcome deadlock and explain concept of various memory management techniques

CO4: Explain the structure and implementation of various secondary storage devices

CO5:Explain various protection and security management techniques in OS

17. Course Name: DESIGN AND ANALYSIS OF ALGORITHMS

Course Code: 4CSGC2051

CO1: Identify various algorithm design techniques and strategies

CO2: Represent various asymptotic performance of algorithm

CO3: Illustrate the computational complexity of different algorithms

CO4: Analyse and find the best algorithm for real time problem solving

CO5: Construct best algorithm for real time problem solving

18. Course Name: COMPUTER ORGANIZATION AND ARCHITECTURE

Course Code: 4CSGC2091

CO1: Illustrate the various functional units of digital computers

CO2: Illustrate different concepts of CPU

CO3: Outline instruction execution using pipeline

CO4: Apply various hardware software concepts on instructions to exploit ILP

CO5: Explain Cache optimization techniques to improve system performance

19. Course Name: Cryptography (MOOC)

Course Code: 4CSGC3041

CO1**:** Explain the different concepts of cryptography

CO2: Describe the principles of symmetric and asymmetric cryptography

CO3: To apply the asymmetric key encipherment techniques

CO4: To apply the concepts of hashing algorithms

CO5: Understanding the real life examples of Cryptography

20. Course Name: Software Security (MOOC)

Course Code: 4CSGC3051

CO1: Understand the basics of secure programming

CO2: Understand the most frequent programming errors leading to software vulnerabilities

CO3: Identify and analyze security problems in software

CO4: To fix software flaws and bugs in various software

CO5: Understanding to prevent the cybercrime

21. Course Name: Secure Coding

Course Code: 4CSGC3061

CO1: Understand the concept of secure programming

CO2: Design and develop of secure programming Concept

CO3: Apply the Robust Programming concept in token generation

CO4: Implement and develop some case studies

CO5:Analyze and use some test method for detecting flaws

22. Course Name: Advanced Java

Course Code: 4CSPL3041

CO1: Understand and implement advanced Java concepts

CO2: Design and implement server-side programs using Servlets and JSP

CO3: Implements applications using Java Server Faces

CO4: Incorporate cutting-edge frameworks in web application development

CO5: Design and implementation of ORM mapping using Hibernates

23. Course Name: Scripting Languages

Course Code: 4CSPL3051

CO1: Comprehend the differences between typical scripting languages and typical system and application programming languages.

CO2: Gain knowledge of the strengths and weakness of Perl, TCL and Ruby; and select an appropriate language for solving a given problem.

CO3: Acquire programming skills in scripting language.

CO4: Understanding the text manipulation through Perl

CO5: Understanding of how applications communicating with each other and how a widget toolkit used for building GUI in many languages.

24. Course Name: Kotlin (OO+ Functional) (MOOC)

Course Code: 4CSPL3061

CO1: To learn a readable, pragmatic, safe, and interoperable programming language

CO2: To think about nullability from the start by integrating nullability into the type system

CO3: Acquire programming skills in Kotlin

CO4: Understanding the Android development through Kotlin

CO5: To aid scalability in large-scale software development

25. Course Name: Network Programming in Unix & C

Course Code: 4CSPL3071

CO1: Identify interfaces and frameworks for developing network applications.

CO2: Solve the socket functions for data communication.

CO3: Design TCP echo client server program.

CO4: Develop UDP Client Server programs using socket functions.

CO5: Analyze the difference between broadcast and multicast programs.

26. Course Name: Python for Networking

Course Code: 4CSPL3081

CO1: Demonstrate the basic elements of a relational database management system.

CO2: Identify the data models for relevant problems

CO3: Design entity relationship and convert entity relationship diagrams into RDBMS and formulate SQL queries on the respect data into RDBMS and formulate SQL queries on the data.

CO4: Demonstrate their understanding of key notions of query evaluation and optimization techniques.

CO5: Extend normalization for the development of application softwares.

27. Course Name: Client-Server Technologies

Course Code: 4CSGC3071

CO1: Recognize and describe the working of Computer Networks, Client server computing.

CO2: Illustrate reference models with layers, protocols and interfaces.

CO3: Summarize functionalities of different Layers.

CO4: Combine and distinguish functionalities of different Layers.

CO5: Model the Client- Server computing using different media.

28. Course Name: Object Oriented Programming

Course Code: 4CSPL3061

CO1: Discuss the concepts of object-oriented programming

CO2: Apply OOP concepts to develop programs using functions and class

CO3: Incorporate the inheritance and constructor concepts to develop applications in C++

CO4: Apply operator overloading concepts in C++

CO5: Exemplify the process of data file manipulations, templates and exception handling using C++

29. Course Name: Database Management Systems

Course Code: 4CSGC2011

CO1: Demonstrate the basic elements of a relational database management system.

CO2: Identify the data models for relevant problems

CO3: Design entity relationship and convert entity relationship diagrams into RDBMS and formulate SQL queries on the respect data into RDBMS and formulate SQL queries on the data.

CO4: Demonstrate their understanding of key notions of query evaluation and optimization techniques.

CO5: Extend normalization for the development of application softwares.

30. Course Name: OFFICE AUTOMATION

Course Code: 4CSGC1021

CO1: Applying basic editing functions formatting skills on paragraphs, tables, lists, and pages

CO2: Applicable knowledge and uses of accepted business style formatting conventions.

CO3: Working knowledge of organizing and displaying large amounts and complex data

CO4: Learnt to work with Master Slides to make editing your presentation easy

CO5: Learnt the importance of web and in social media

31. Course Name: DATA COMMUNICATION AND COMPUTER NETWORKS

Course Code: 4CSGC2061

CO1: Outline basic concepts in data communications, OSI and TCP/IP protocol stack

CO2:Demonstrate design issues, flow control and error control.

CO3: Understand the transfer of data from source to the destination using different protocols and addressing

CO4: Summarize the functions of application layer protocols and how to meet the QoS requirements in networking

CO5: Identify the limits and importance of compression, encoding, sampling, quantization methods

32. Course Name: INTRODUCTION TO MACHINE LEARNING

Course Code: 4CSPL2041

CO1: Apply various classification and clustering techniques for problems using tools like R and Python

CO2:Implement solutions for various prediction problems using tools

CO3: Design and development of game and traffic control system using reinforcement learning.

CO4: Identify and apply the appropriate machine learning techniques for classification, Pattern recognition, optimization and decision problems.

CO5: Development of techniques in information science applications by applying Computational intelligence and appropriate machine learning techniques.

33. Course Name: CLOUD COMPUTING

Course Code: 4CSGC2071

CO1: Explain main concepts, key technologies, strengths and limitations of cloud computing

CO2: Explain the cloud enabling technologies that help in the development of cloud

CO3: Develop the ability to use the architecture of compute and storage cloud, service and delivery models

CO4: Design the prototype of the software projects.

CO5: Choose the appropriate technologies and approaches for implementation and use of cloud.

34. Course Name: SOFTWARE ENGINEERING

Course Code: 4CSGC2081

CO1: Explain the principles of the engineering processes in software development.

CO2: Develop the software projects through activities such as planning and scheduling.

CO3: Classify and specify the requirements for the software projects.

CO4: Design the prototype of the software projects.

CO5: Implement the software development processes activities from requirements to validation and verification.

35. Course Name: Web Technology

Course Code: 4CSPL2071

CO1: Students will be able to create simple static web pages using HTML and CSS.

CO2: Students will be able to add interactivity to web pages using JavaScript.

CO3: Students will be able to design responsive web pages that adapt to different screen sizes using a framework such as Bootstrap

CO4: Students will be able to create server-side applications using a server-side language such as PHP or Python.

CO5: Students will be able to design and implement web applications that consume external APIs using RESTful web services.

36. Course Name: Mobile Application Development

Course Code: 4CSPL2051

CO1: Explain the fundamental concepts of mobile application development.

CO2: Design the application with activities and fragments.

CO3: Apply different user interfaces to their application.

CO4: Demonstrate the use of views and pictures.

CO5: Use the different services in the application.

37. Course Name: Machine Learning for Beginners

Course Code: 4CSGC2101

CO1: Explain the concepts of Machine Learning Categories.

CO2: Analyse the fundamentals of Machine Learning.

CO3: Analyse various models in Machine learning.

CO4: Illustrate the Text Mining and Recommender Systems.

CO5: Elucidate the Deep and Reinforcement Learning.

38. Course Name: Soft Computing (Fuzzy, Genetic, Ontologies)

Course Code: 4CSGC3121

CO1: Students will acquire a solid comprehension of the fundamental concepts and principles that form the foundation of soft computing.

CO2: Students will develop the ability to identify and analyze complex problems in various domains and apply soft computing techniques to devise effective solutions.

CO3: Students will be able to select appropriate soft computing algorithms based on problem requirements.

CO4: Students will learn how to design and develop soft computing models by defining the problem domain.

CO5: Students will be able to evaluate the performance of soft computing models using appropriate evaluation metrics and statistical analysis techniques.

39. Course Name: No-SQL DATABASES

Course Code: 4CSPL3091

CO1: Apply machine learning in real world projects.

CO2: Analyse and apply various classification algorithms.

CO3: Analyse various prediction algorithms.

CO4: Elaborate the clustering algorithms.

CO5: Construct machine Learning Models.

40. Course Name: APPLIED MACHINE LEARNING

Course Code: 4CSPL3101

CO1: Elaborate the fundamental concepts of No-SQL databases.

CO2: Analyze the features and use cases of key-value databases.

CO3: Explain the features and challenges pertaining to document databases.

CO4: Illustrate the characteristics of column oriented No-SQL databases.

CO5: Describe the design and use cases of graph databases.

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41. Course Name: System Security

Course Code: 4CSGC3131

CO1: Describe the knowledge about secure software system assurance and evaluation.

CO2: To conduct a cyber security risk assessment.

CO3: To measure the performance and troubleshoot cyber security systems.

CO4: To implement cyber security solutions.

CO5: To analyze the network security.

42. Course Name: Ethical Hacking

Course Code: 4CSGC3141

CO1: Describe the basics of the ethical hacking.

CO2: Describe the foot printing and scanning.

CO3: Demonstrate the techniques and countermeasures for system hacking.

CO4: Characterize the malware and their attacks.

CO5: Analyze the hardware Security concerns.

43. Course Name: MALWARE ANALYSIS

Course Code: 4CSGC3151

CO1: Explain the Basic Static Techniques to get information from an executable without running it.

CO2: Analyse malware in virtual machines to set up virtual machines to use as a safe environment for running malware.

CO3: To apply techniques for analyzing a malicious program.

CO4: To Analyze Malicious Windows Programs," for understanding malicious Windows programs.

CO5: Explain how to use malware analysis to create network signatures that outperform signatures made from captured traffic alone.

44. Course Name: Object Oriented Analysis Design

Course Code: 4CSPL3111

CO1: To learn techniques for testing and validating object-oriented systems, including unit testing, integration testing, and acceptance testing, to ensure the correctness and reliability of the software.

CO2: To develop skills in collaborating effectively within a team environment, including communication, task allocation, and version control, to collectively design and implement object-oriented systems.

CO3: To understand the importance of non-functional requirements, such as performance, scalability, and security, and learn how to incorporate them into the analysis and design process.

CO4: To stay updated with the latest trends and technologies in object-oriented analysis and design, allowing them to adapt and apply new techniques and tools as they evolve.

CO5: To demonstrate ethical and professional behaviour in the analysis and design of software systems, considering legal and societal implications, as well as adhering to industry best practices and standards.

45. Course Name: Web Technology Frameworks

Course Code: 4CSPL3121

CO1: Students will be able to Develop a solid understanding of the MERN stack and how it can be used to build scalable, high-performance full-stack web applications.

CO2: Students will Gain hands-on experience with building web applications using the MERN stack, including setting up a development environment, creating and connecting to databases, building APIs, and integrating frontend and backend code.

CO3: Students will be able to learn best practices for building secure, performant, and maintainable web applications, including implementing authentication and authorization, optimizing database queries, and using tools for debugging and testing.

CO4: Students will be able to understand how to design and implement scalable, distributed web applications that can handle large amounts of traffic and users, and deploy these applications to the cloud using popular cloud services.

CO5: Students will be able to Acquire the skills and knowledge necessary to be able to build real-world web applications using the MERN stack and gain confidence in their ability to create high-quality, professional-grade software.

46. Course Name: Application Development using MERN Stack (P5)

Course Code: 4CSPL3131

CO1: To Discover the details of HTML,CSS and their properties and applications.

CO2: Use the tools required to build JavaScript based SPAs.

CO3: Discover the details of React, the React Way, and how to get the maximum out of this library.

CO4: Discover the details of Nodejs and how to get the maximum out of this library.

CO5: To Discover the details of SQL,MongoDB and Nosql.

47. Course Name: Advanced Computer Networks

Course Code: 4CSPL3141

CO1: To Understand the TCP/IP protocol suite and the working of the Internet.

CO2: Form an understanding of the principles upon which the global Internet was designed.

CO3:Discover the details of switching, bridges and LAN.

CO4: Discover the details Simple Internetworking, Internet Protocol.

CO5: To Discover the details of UDP, TCP, RPC.

48. Course Name: Wireless Technologies

Course Code: 4CSGC3161

CO1: Students will gain a comprehensive understanding of the principles and concepts of wireless communication, including modulation, transmission, and reception of wireless signals.

CO2: Students will develop the skills necessary to design and implement wireless networks, including understanding the transmission medium, evaluating network performance, and selecting appropriate technologies.

CO3:Students will be able to analyze and evaluate wireless technologies, including understanding the limitations of different protocols and the impact of environmental factors on network performance.

CO4: Students will learn about the legal, ethical, and social implications of wireless communication, including privacy concerns, legal regulations, and the impact of wireless technologies on society.

CO5: Students will develop problem-solving skills through hands-on projects and laboratory exercises, including designing, implementing, and testing wireless networks and communication systems.

49. Course Name: Multimedia Networks

Course Code: 4CSGC3171

CO1: To describe types of networks and multimedia network requirement.

CO2: To describe end systems support for multimedia transport.

CO3: To Describe and analyze QoS mechanisms and protocols.

CO4: TO conduct performance analysis and discuss synchronization and adoption.

CO5: TO Discuss and evaluate multimedia over wireless networks.

50. Course Name: MACHINE LEARNING

Course Code: 4BCS701

CO1: Explain basic concepts of Machine Learning.

CO2: Choose the learning techniques and investigate concept learning.

CO3: Design Supervised Machine Learning algorithms to solve problems.

CO4: Design Un-Supervised Machine Learning algorithm to analyse data.

CO5: Apply effectively neural networks for appropriate applications.

51. Course Name: DATA ANALYSIS USING PYTHON

Course Code: 4BCS702

CO1: Explain Python Programs using core data structures.

CO2: Explain basic process of data science.

CO3: Analyze how to manipulate the uncarted datasets.

CO4: Explain statistical analysis and machine learning methods.

CO5: Apply visualization techniques.

52. Course Name: PREPARE PROGRAM-V

Course Code: 4BHS704

CO1: Students will be able to apply number theory concepts and formulas to solve problems of base system, remainder theorem etc.

CO2: Students will be able to categorize contradictions within the area of binary logic to solve problems using concepts of contradictions, truth tellers, liars and alternators, pattern recognition problems (fillers, calendar etc.) by utilizing different functions that fit the given criteria.

CO3: Students will be able to analyze the sufficiency of data and interpret its specific components by solving problems using data reasoning and interpretation of its numerical and graphic representations

CO4: Students will be able to make use of advanced arithmetic, algebra and mensuration techniques to solve a variety of problems using a range of concepts from partnership to permutation and combination.

CO5: Students will be able to apply written and verbal communication techniques by reading and articulating themselves in the format of discussion, debate, interview, essay, letter etc.

53. Course Name: CAPSTONE PROJECT – DESIGN

Course Code: 4BCS705

CO1: Demonstrate engineering knowledge and its framework for its implementation in the project design as well work in groups taking leadership role and communicate effectively.

CO2: Survey relevant literature in the chosen field of study that allows interrelation of design and research.

CO3: Model a prototype/ concept design that exhibits the feasibility of the solution from cost, engineering and environmental aspects.

CO4: Justify the project design with a structured report that covers all the work carried out between framing the problem statement to the project design.

CO5: Design conceptual ideas that address the issues with respect to real world problems.

54. Course Name: DIGITAL SIGNAL PROCESSING

Course Code: 4ENCC101

CO1: Demonstrate the concept of filtering of long data sequences.

CO2: Develop the fast computation of discrete Fourier transform

CO3: Explain the concept of transform analysis of LTI systems.

CO4: Develop FIR filter for the given specifications and study the effect of quantization of filter coefficients

CO5: Develop IIR filter for the given specifications.

55. Course Name: Embedded System & ARM Processor

Course Code: 4ENCE2031

CO1: The students should be able to understand the concepts of embedded systems, including their architecture, programming, and applications.

CO2: The students should have a thorough understanding of ARM processors, including their architecture and instruction set.

CO3: Ability to write and debug assembly language programs for ARM processors.

CO4: Designing and implementing ARM Cortex-M Processor real-time operating systems (RTOS) and hardware interfaces.

CO5: Familiarity with different communication protocols used in embedded systems, such as SPI, I2C, and UART.

56. Course Name: POWER ELECTRONICS AND CONTROL

Course Code: 4ENEE1071

CO1: Describe the characteristics of different power devices and identify the applications.

CO2: Determine the response of controlled rectifier and AC voltage controllers with resistive and inductive loads.

CO3: Illustrate the working of various pulse width modulated inverters as well as Step up and step-down choppers.

CO4: Develop a mathematical model of system and analyze the performance characteristics of first and second order systems using standard test signal

CO5: Test for the stability of a system in time as well as frequency domain and state space modeling of system.

57. Course Name: Sensors & Robotics

Course Code: 4ENCE1191

CO1: Apply various calibration techniques and signal types for sensors.

CO2: Classify and explain types of robots.

CO3: Apply various sensors in the robotics.

CO4: Explain robotic vision.

CO5: Recommend robotic system for various industries.

58. Course Name: INTRODUCTION TO ROBOTICS

Course Code: 4ENME105

CO1: Explain the basic configurations of robots.

CO2: Learn simple programs to control robots.

CO3: Illustrate the process of controlling a robot.

CO4: Explain the working of variety of sensors that can be used in robots.

CO5: List the applications of robots in different fields.

59. Course Name: COMPUTER COMMUNICATION NETWORKS

Course Code: 4ENCC1071

CO1: Explain Data Communication with key concepts of networks, its types and OSI network model.

CO2: Identify the data link layer from OSI model, understanding the concepts related to layer, protocols.

CO3: Demonstrate the concept of Wired LAN's standards and its architecture.

CO4: Explain various connecting devices, IP address and routing mobile IP.

CO5: Explain the various transport layer protocols, UDP and TCP service applications and flow and error control.

60. Course Name: Advanced Digital Communication

Course Code: 4ENCC2022

CO1: Explain merits and demerits of different modulation techniques & coding techniques, spread spectrum signals and channel behaviors.

CO2: Analyze various modulation, equalization, diversity and coding techniques for communication systems.

CO3: Compare performance of different types of modulation on different wireless application fading channels.

CO4: Design and demonstrate various modulation/coding equalization techniques and measure their performance.

61. Course Name: Low power VLSI

Course Code: 4ENVL1041

CO1:Classify various second order effects in MOSFET device.

CO2: Illustrate the sources of power dissipation in CMOS based logic.

CO3: Construct a suitable circuit to reduce leakage power using suitable low power techniques.

CO4: Demonstrate the knowledge of joint random variables in real time engineering problems.

CO5: Identify the mechanisms of power dissipation in CMOS integrated circuits.

62. Course Name: 8051 Microcontroller

Course Code: 4ENCE1241

CO1: Explain the basics of Microprocessor and Microcontroller.

CO2: Relate to the 8051 Microcontroller architecture and Pin description.

CO3: Analyze 8051 Addressing modes and use the 8051 instruction set.

CO4: Program the on-chip peripherals in 8051.

CO5: Design and develop applications using 8051 Assembly language and C program.

63. Course Name: Wireless Communication

Course Code: 4ENCC1241

CO1: Explain the basics and types of wireless communication systems being used.

CO2: Explain the basic concepts of cellular system and the design requirements.

CO3: Demonstrate the basic principles behind radio resource management techniques such as frequency reuse, channel allocation and handoffs.

CO4: Interpret knowledge and gain awareness on the technologies used for effective share of spectrum by multiple access techniques i.e. TDMA, CDMA, FDMA etc.

CO5: Summarize the wireless standards being used across the world.

64. Course Name: Engineering Mathematics-III

Course Code: 4MATH2011

CO1: Make use of C–R equations to form analytic functions.

CO2: Explain the concept of conformal, bilinear transformations and contour integration.

CO3: Apply Z-transforms for discrete functions.

CO4: Solve linear differential equations by Laplace transform method.

CO5: Solve first and second order ordinary differential equation using single step and multistep numerical methods.

65. Course Name: PROBLEM SOLVING AND PROGRAMMING USING C

Course Code: 4CSPL1111

CO1: Explain the basic computer concepts and programming principles of C language.

CO2: Develop C programs to solve simple mathematical, engineering problems using conditionals and looping constructs.

CO3: Develop C programs to demonstrate the applications of arrays in C.

CO4: Execute programs to demonstrate the basic concepts of Strings and Pointers.

CO5: Develop C programs to demonstrate the applications of functions in C.

66. Course Name: ANALOG SYSTEM DESIGN

Course Code: 4ENCE2011

CO1: Demonstrate the device characteristics and working principles of BJT and MOSFET, and parameters of different types of amplifiers.

CO2: Analyze transistor biasing circuits and various amplifier configurations with small signal model.

CO3: Explain the operation of BJT and MOSFET current mirrors, differential amplifier and frequency response of an amplifier.

CO4: Analyze different types of feedback amplifiers and oscillators.

CO5: Design of series and shunt voltage regulators for a Power supply.

67. Course Name: DIGITAL SYSTEM DESIGN

Course Code: 4ENCE2021

CO1: Make use of fundamental concepts to implement digital logic functions.

CO2: Build a different combinational logic circuit.

CO3: Develop synchronous and asynchronous sequential circuits, and realize using Hardware description Language and programmable logic devices.

CO4: Develop a sequential circuit using Memory and PLDs.

CO5: Design finite state machine for different applications.

68. Course Name: NETWORK ANALYSIS

Course Code: 4ENEE1021

CO1: Demonstrate the knowledge of KCL and KVL by solving electrical networks in phasor and time domain.

CO2: Select a suitable resonant circuit for a given resonant frequency.

CO3: Select suitable network theorems for reduction of a given network to simplify the solution for a network problem.

CO4: Analyze a network under steady and transient states by applying Laplace Transforms to a given circuit.

CO5: Choose suitable network parameters by transforming them appropriately to analyses a cascaded system.

69. Course Name: WEB DEVELOPMENT USING PYTHON AND DJANGO

Course Code: 4CSPL2011

CO1: Create database using SQLite.

CO2: Create web client programs using python.

CO3: Create web server programs using python.

CO4: Create website using Django framework.

CO5: Create to-do application using Django and React JS.

70. Course Name: CRITICAL INQUIRY

Course Code: CKSMM1011

CO1: Conduct an inquiry into the origins and sources of their beliefs.

CO2: Recognize how access to the same information can lead to varied interpretations.

CO3: Appreciate the validity of diverse views that are separate from their own.

CO4: Recognize the impact of uninterrogated beliefs on daily life.

CO5: Understand the connection between beliefs and action.

71. Course Name: INDIAN DEMOCRACY, PARTICIPATION & SOCIAL CHANGE

Course Code: CKSMM1021

CO1: Study a particular event in Indian history and trace the impact that can be felt to the present day.

CO2: Understand the impact of the way a democracy is structured.

CO3: Understand the freedoms that a citizen of India has, and what those mean in daily life.

CO4: Understand the duties of an Indian citizen and how they translate to daily life.

CO5: Gain an understanding of the workings of the government in their residential locality.

CO6: Trace the impact of a single vote from their area of residence to the national scale.

CO7: Understand the Indian democratic process and their role in it.

CO8: Identify ways in which they can contribute to the progress of the country.

72. Course Name: PROJECT MANAGEMENT FUNDAMENTALS

Course Code: CPSSXX0X1

CO1: Understand the fundamental concepts of Project Management and use them in their professional career

CO2: Demonstrate their preparedness to manage any project in a professional manner.

CO3: Apply the best practices of Project Management which will ensure their success in their professional life.

73. Course Name: ENGINEERING MATHEMATICS-IV

Course Code: 4MATH2021

CO1: Apply binomial, Poisson, normal and exponential probability distributions to solve engineering problems.

CO2: Construct elementary regression models by the method of least squares.

CO3: Explain the concept of testing of hypothesis for small and large samples.

CO4: Apply the knowledge and skills of numerical methods to solve algebraic and transcendental equations.

CO5: Apply the simplex algorithm to solve a linear programming problem.

74. Course Name: PRINCIPLES OF COMMUNICATION

Course Code: 4ENCC2011

CO1: Explain the working of amplitude modulators and receivers.

CO2: Explain the Angle modulation techniques.

CO3: Demonstrate the reception and demodulation of FM and also the various types of Noise.

CO4: Interpret pulse modulation techniques and base band data transmission.

CO5: Compare the digital modulation techniques.

75. Course Name: SIGNALS AND SYSTEM ANALYSIS

Course Code: 4ENCC1231

CO1: Classify the continuous and discrete time signals and systems.

CO2: Solve the system response using system's equation and using convolution.

CO3: Demonstrate the continuous time signals using Fourier series and Fourier Transform and the concept of sampling in time domain.

CO4: Demonstrate the discrete time signals using Fourier series and Fourier Transform and the concept of sampling in frequency domain.

CO5: Solve the Discrete time systems using Z transform and Discrete Time Fourier transforms.

76. Course Name: VLSI

Course Code: 4ENVL1011

CO1: Demonstrate understanding of MOS transistor theory, CMOS fabrication flow and technology scaling.

CO2: Outline the basic gates using the stick and layout diagrams with the knowledge of physical design aspects.

CO3: Explain memory elements along with timing considerations.

CO4: Illustrate testing and testability issues in VLSI design.

CO5: Construct CMOS subsystems and architectural issues with the design.

77. Course Name: PYTHON FOR DATA SCIENCE

Course Code: 4CSPL3011

CO1: Analyze data science applications.

CO2: Apply data collection and wrangling techniques.

CO3: Analyze how to manipulate the uncharted datasets using Numpy.

CO4: Analyze how to manipulate the uncharted datasets using Pandas.

CO5: Apply visualization techniques.

78. Course Name: MAKING WITH ELECTRONICS

Course Code: CPSES1011

CO1: Demonstrate the interfacing of basic input and output devices using Arduino.

CO2: Explain the working principles of various sensors and renewable energy sources.

CO3: Apply the understanding of Arduino programming by interfacing sensors and communication devices.

CO4: Demonstrate the interfacing of basic input and output devices using Raspberry Pi.

CO5: Analyze and Build a real-time application employing Arduino / Raspberry Pi.

CMR UNIVERSITY

Private University Estd in Karnataka State by Act No. 45 of 2013

CMR UNIVERSITY BANGALORE

School of Science & Computer Studies

BCA(G) 2021 Batch

First Semester Syllabus

1. **18CSPL1011: C PROGRAMMING AND DATA STRUCTURES**

   CO1: Define and implement the algorithms and draw flowcharts for solving Mathematical problems. (Level 2)
   CO2: Demonstrate the understanding of computer programming language concepts.(Level 3)
   CO3: Design and develop programs using decision making, and looping statements.(Level 4)
   CO4: Define, develop and analyze the core concepts of C programming. (Level 4)
   CO5: Design different data structures and its operations using C Programming.(Level 4)

2. **8CSGC1011 :DIGITAL ELECTRONICS AND COMPUTER ORGANIZATION**

   CO1: Examine the structure of various number systems and its application in digital design.(Level 2)
   CO2: Analyse and design various combinational and sequential circuits.(Level 3)
   CO3: Analyse and design various registers and counters. (Level 4)
   CO4: Identify the basic structure and functional units of a digital computer.(Level 2)
   CO5: Analyse appropriate interfacing standards for I/O devices and memory organization.(Level 4)

3. 8MATH1011: DISCRETE MATHEMATICS

CO1: Solve problems in the language of sets and perform set operations, apply basic concepts and
prove facts about ordinals and well ordered sets. (Level 3)
CO2: Apply and interpret properties of linear systems and will be able to solve them by matrix
techniques. (Level 3)
CO3: Apply logical concepts in the field of Computer Science. (Level 3)
CO4: Apply principles and concepts of Graph theory in practical situations and also will be able to
formulate the concepts as a base for other related courses. (Level 3)

4. 8CSPL1021:C PROGRAMMING AND DATA STRUCTURES LAB

CO1: Define and implement the algorithms and draw flowcharts for solving Mathematical problems.
(Level 2)
CO2: Demonstrate the understanding of computer programming language concepts.(Level 3)
CO3: Design and develop programs using decision making and looping Statements.(Level 4)
CO4: Define, develop and analyze the core concepts of C programming. (Level 4)
CO5: Design different data structures and its operations using C Programming.(Level 4)

5. 8CSGC1021: DIGITAL ELECTRONICS LAB

CO1 :Implement the various basic concepts of digital circuits and verify their functionalities.(Level 3)
CO2 : Demonstrate the universal properties of NAND and NOR gates(Level 3)
CO3 : Design and implement combinational circuits(Level 3)

CO4 : Design and verify the operation of various shift registers(Level 4)

CO5 : Design and verify the operations of asynchronous counters(Level 4)

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Second Semester Syllabus

1. **8CSPL1031: Python Programming**

   CO1: Understand python data types, operators and I/O operations. L2

   CO2: Apply problem solving concepts using python control structures. L3

   CO3: Understand basic data structures (list, tuples, dictionary, sets) of python. L2

   CO4: Apply functions and modules for problem solving. L3

   CO5: Understand the Object-oriented Python programming Concepts.L2

2. **8CSGC1031 : DATABASE MANAGEMENT SYSTEMS**

   CO1: understand the fundamentals of a database system.(Level 2)

   CO2: Design and draw ER diagram for the real life problem.(Level 3)

   CO3: Design relational models for a given application using schema definition and constraint.(Level 3)

   CO4: Develop complex queries using SQL and PL/SQL to retrieve the required information from the database. (Level 4)

   CO5: Apply suitable normal forms to normalize the given database(Level 2)

   CO6: Determine the roles of transaction and concurrency control in database design. (Level 3)

3. **8STAT2011: STATISTICS**

   CO1: Apply/formulate the concepts and theories of measures of central tendency in the functional areas of business and research. (Level 3)

   CO2: Apply/formulate the concepts and theories of measures of Dispersion in the functional areas of business and research. (Level 3)

   CO3: Identify the direction and degree of association between two variables and will be able to predict the future value with the help of previous data. (Level 3)

   CO4: Formulate the trend values which enables in predicting the future values with the help of previous data's. (Level 3)

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4. **8CSPL1041: PYTHON PROGRAMMING LAB**

CO1: Apply basic constructs to create simple Python programs.(L3)

CO2: Design and develop programs using decision making and looping statements.(L4)

CO3: Understand the different data structures and its operations .(L2)

CO4: Apply the concepts of Modules ,Packages and file handling (L3)

CO5 : Develop programs using Object Oriented Programming. (L4)

5. **C1041: DATABASE MANAGEMENT SYSTEMS LAB**

CO1: Apply the basic concepts of Database Systems and Applications.(Level 3)

CO2: Construct queries using SQL in database creation and interaction.(Level 3)

CO3: Create the procedures and Functions in PL/SQL.(Level 6)

CO4: Design PL/SQL Triggers and Cursors.(Level 3)

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School of Design
Batch 2022-23

1. Course Name: Fundamentals of Design I
Course Code: 9FODN1011

CO1: Understand elements and principles of design and their relevance in the context of a design process

CO2: Apply and relate design elements and principles in the content of 2D and 3D environment

CO3: To facilitate effective use of art media, develop rendering skills, colour me, colour scheme and color psychology.

CO4: To introduce Adobe Photoshop / Inkscape / Krita software to enable students to use different tools and shape their understanding of color in the digital space.

2.Course Name: Typography I
Course Code: 9CDES1011

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CO1: Understand the evolution of typography and print

CO2: Construct a series of letters and fonts in traditional and digital mediums

CO3: Understand and apply Typographic Rules, Families and Styles in their design process

CO4: Be able to design effective verbal and visual communication with appropriate typography choices and adhere to typographic rules

3.Course Name: Visual Identity Design I
Course Code: 9CDES1021

CO1: Understand meaning of symbols and how to design them

CO2: Understand various research methods and mechanisms of Persona Definition and apply the same to themselves

CO3: Design a logo for themselves based on self-analysis

4.Course Name: Layout Design I
Course Code: 9CDES1031

CO1: Design a printed collateral such as visiting card, letterhead, envelope

CO2: Design a multi page print document - redesign a portfolio of work including an SOP

5.Course Name: Introduction to Product Design (Idea to Prototype)
Course Code: 9PDES1011

CO1: Conduct research and articulate the brief of a given problem.

CO2: Ideate and render concepts for effective communication

CO3: CAD model / required drawings preparation for prototyping

CO4: Prototype by using 3D technologies and refine based on feedback received from target audience

6.Course Name:Project I
Course Code: 9PROJ1011

CO1: Design a visual identity for themselves, and apply this process for future design requirements.

CO2: Design appropriate print collaterals supporting the visual identity designed for themselves

CO3: Design an appropriate product supporting the visual identity designed for themselves

CO4: Design and maintain a portfolio of their own work as per industry standards, with integrated visual identity design

7.Course Name:Drawing I
Course Code: 9FODN1021

CO1: Intuitive representation using appropriate medium as per the context.

CO2: Confident to translate thought on paper

CO3: Understand and translate technical drawings required for product development and fabrication.

CO4: Improve observation skills to gasp details of surroundings

CO5: To understand the proportions and contours of the human form, to develop an illustration style and develop fabric rendering skills. (Babu)

CO6: To develop different types of perspective views of spaces and objects.

CO7 : To implement the fundamentals of design through drawing , understand the outlook of an object and learn principles of Drawing

CO8 : understand the human anatomy and Proportion

8.Course Name:Introduction to Fashion Design (Idea to Prototype)
Course Code: 9FDES1011

CO1: Create an effective, usable, wearable outfit

CO2: Understand the process of ideation to hard prototyping and final presentation of fashion products

CO3: Understand pattern making and garment construction

CO4: Develop a sensitivity for the right kind of finish on the garment

9.Course Name: Introduction to Interior Design (Idea to Prototype)
Course Code: 9IDES1011

CO1: Create models of functional and aesthetically pleasing interior spaces.

CO2: Develop ideation to final design.

CO3: Draw quick perspective space ideation drawing

CO4: Create quick floor plans.

CO5: Create soft prototype for space visualization with lighting and material.

CO6: Make scaled down hard prototypes to complete the visualization process.

10.Course Name: Project II
Course Code: 9PROJ1021

CO1: Design a meaningfully structured and aesthetically pleasing portfolio of work of professional standards in printed and digital formats

CO2: Present the portfolio of work in public with confidence, self belief and optimism

CO3: Reflect on the learning experience in 4 streams of Design (CD,PD,FD,ID), and define own likes/dislikes, strengths, talent, skills and knowledge as an individual advantage, which were acquired during the academic year

CO4: Define an informed individual choice of further studies in a specific design stream.

11.Course Name: Fundamentals of Design II
Course Code: 9FODN2011

CO1: Precise 2D drawings of various geometrical forms showing construction

CO2: Construct 3D platonic solids and patterns

CO3: To construct precise tessellations.

CO4: Implement construction methods on various materials.

CO5: Investigate color symbolism and their meanings in different cultural contexts..

CO6: Develop a comprehensive understanding of color theory

CO7: understand relation between poor postures and ergonomic hazards

CO8: create products and systems that are efficient, comfortable, and safe

CO9: Design and develop prototypes for ergonomic testing

CO10: Consider anthropometric data while designing

12.Course Name: History of Art & Design I
Course Code:9FODN2021

CO1: Comprehend the examples of architecture, objects, visual and sculptural art of the Prehistoric Period and Ancient Civilizations

CO2: Apply visual and tactile elements of the styles dominant in historic periods to contemporary design, whenever relevant

CO3: Understand how socio-economical, technological, political, religious factors influenced art, architecture and design of specific periods

13.Course Name: Computer Aided Design I
Course Code: 9PDES2031

CO1: prepare 2D orthographic drawings which can be printed on plotters with reference to production / prototyping

CO2: Create 2D realistic renderings with reference to design presentations

CO3: Build 3D models for 3D printing with reference to ergonomic analysis, visualization of aesthetics and design presentation

CO4: Construct parametric models and assembly

14.Course Name: Packaging Design

Course Code: 9PDES2041

CO1: Prepare questionnaires for the specific product / service / system and conduct field visit and maintain recordings

CO2: Articulate design brief based on research findings and prepare reports / presentations

CO3: Design product in paper or plastic by using the appropriate production technique for given quantity

CO4: articulate the concept considering paper and plastic in packaging

CO5: Identify type of plastic by conducting respective tests

CO6: Design packaging keeping environment considerations

CO7: Prepare, analyse and read production drawings

CO8: generate quick concept renders

CO9:To understand graphic design and mandatory information for different packaging.

CO10: to Design a layout and graphics for a package.

15.Course Name: Project III
Course Code: 9PROJ2011

CO1: Design a complete packaging for given brief

CO2: Ideate an appropriate concept based on gained research findings

CO3: Propose an material and manufacturing technique for selected concept

CO4: Develop an CAD model along with renders in respective software

16.Course Name: TEXTILE DESIGN
Course Code: 9FDES2031

CO1: To improve fluency in expressing motif design concepts
CO2: To use illustration as a means to ideate
CO3: To gain confidence in creatively presenting the work.
CO4: To widen the horizon of tools that are used to develop and present work.
CO5: The knowledge of creating seamless pattern design and its application.

17.Course Name: TEXTILE SCIENCE
Course Code: 9FDES2041

CO1: Understand the classification and characteristics and use of textile

CO2: Analyse the type of fibre, yarn and structure of the fabric using technical and non-technical tests and finding suitable end-uses

CO3: To identify different kinds of fibers, yarns, methods of fabric construction

CO4: To know the performance & suitability of fabric, identify & differentiate fabric structures

CO5: Will have a working knowledge of cloth surface decoration (wet processing,dyeing and printing).

CO6: To test the fabric as per the quality standards specified.

CO7: Will widen the career opportunity for the students in textile as well as testing companies.

18.Course Name: PROJECT III
Course Code:9PROJ2011

CO1: Design a Saree based on the given brief

CO2: Ideate an appropriate concept based on gained research findings

CO3: Propose an design plan, material and technique for selected concept

CO4: Develop a design plan model along with renders in respective software

19.Course Name: Residential Interior Design
Course Code:9IDES2041

CO1: In Depth understanding of spaces through analysis and will know the trending materials in market

CO2: To develop a user oriented Residential interior space for an existing site.

CO3:To make interior spaces more utilized in terms of effectiveness and accessibility

CO4: To make 2D Interior service drawings

CO5: To develop 2D working diagrams like furniture layout plan, section and elevation.

CO6: To develop the 3D model of residential space in sketchup software with all the details

CO7:To develop the photorealistic renders in Vray rendering software

20.Course Name: Project III
Course Code:9PROJ2011

CO1: Create a residential interior space that meets current professional standards

CO2: Demonstrate their work through a presentation format using PowerPoint (.ppt).

CO3: Clearly articulate and differentiate their strengths, talents, skills, and knowledge, and align the portfolio content accordingly

21.Course Name: Packaging Design - Elements of Graphics
Course Code: 9CDES2031

CO1: Apply the techniques of Illustration.

CO2: Create Illustration for FMCG products. .

CO3: Convert traditional illustration to Digital medium.

CO4:To Design Logo and taglines and copy of Packaging Design using typography using digital Software (adobe Illustrator)

CO5: To Understand the effective use of typography in a packaging design

CO6:To learn mandatory information for packaging design.

CO7: To Understand the Layout and communication of Contents of Packaging design.

CO8: To create Layout using digital software (Adobe Illustrator)

22.Course Name: Packaging Design
Course Code: 9CDES2041

CO1: Prepare questionnaires for the specific product / service / system

CO2: Conduct field visit and maintain recordings

CO3: Prepare reports and presentations

CO4: Articulate design brief based on research findings

CO5: Apply above research methods in their interest of domain / future projects

CO6: Design product in paper by using the appropriate production technique for given quantity

CO7: articulate the concept considering paper as material in packaging

CO8: Design a 3d form of the designed packaging by using paper

CO9:To understand graphic design for different FMCG product packaging.

CO10: to Design a layout for a package.

CO11: To create graphics for the package.

CO12 : Aware about the mandatory information of packaging design.

CO13:To learn mandatory information for packaging design.

CO14: To Understand the Layout and communication of Contents of Packaging design.

CO15: To create Layout using digital software (Adobe Illustrator)

23.Course Name: Project III
Course Code: 9PROJ2011

CO1: Design a complete packaging for given brief

CO2: Ideate an appropriate concept based on gained research findings

CO3: Propose an material and manufacturing technique for selected concept

CO4: Develop an CAD model along with renders in respective software

24.Course Name: Elective 01 (Tensile structures)
Course Code: 9PDES2061

CO1: Apply concept of tensegrity in furnitures (collapsible furniture)

CO2: Make working drawings to communicate with fabricators

CO3: decide materials required for creating tensile structures

CO4: apply principles of tensegrity in the context of - indoor / outdoor furniture ,efficient and effective use of material, cost reduction and quicker fabrication

25.Course Name: History of Art & Design II
Course Code: 9FODN2071

CO1: Comprehend the examples of architecture, objects, visual and sculptural art of Early Christian Art, Medieval Europe, and Renaissance

CO2: Apply visual and tactile elements of the styles dominant in historic periods to contemporary design, whenever relevant

CO3: Understand how socio-economical, technological, political, religious factors influenced art, architecture and design of specific periods

26.Course Name: Furniture Design
Course Code: 9PDES2081

CO1: Choose and use mechanisms to achieve a prescribed movement / mechanical advantage

CO2: Analyse mechanisms in existing products and furnitures

CO3: analyze furniture, spaces, and communication materials from usability perspective and redesign keeping in mind target audience

CO4: understand relation between poor postures and ergonomic hazards

CO5: Design and develop prototypes for ergonomic testing

CO6: Design Furniture in wood, hemp, bamboo and metal by using the appropriate production technique

CO7: discuss the relevance of specific material in given furniture

CO8: Document using illustration, photographs and text to showcase types of furniture based on the following factors - sociocultural influences, technological influences, Type, Usage, Materials, Scale, Measurement, made by, Origin...

CO9: understand and implement visual design / aesthetics , joinaries, finishes and overall aesthetics in upcoming design project

CO10: prepare design document and presentation for selected product/furniture

CO11: To be able to respond as a designer ,to the ever changing trends and styles

27.Course Name: Computer Aided Design II
Course Code: 9PDES2091

CO1: Understand fundamental concepts in 3D modeling, including polygons, vertices, edges, and surfaces.

CO2: Proficiently use 3D modeling software such as Autodesk fusion 360, Sketchup,etc. to create three-dimensional objects.

CO3: Render 3D models to produce high-quality images and animations, utilizing rendering engines and understanding rendering settings and options

CO4: Iterate on 3D designs, addressing design challenges, refining models based on feedback, and continuously improving designs through an iterative design process

28.Course Name: Project IV
Course Code: 9PROJ2021

CO1: Design furniture for given brief

CO2: Ideate and render an appropriate concept based on gained research findings

CO3: Propose an material and manufacturing technique for selected concept

CO4: Develop an CAD model along with renders in respective software

CO5: Make physical prototype in 1:1 scale

29.Course Name: ELECTIVE - 01 (Fashion Styling)
Course Code: 9FDES2061

CO1: Individual should be able to groom and style for any concept / theme

CO2: Will know about various garments suitable for different occasions

CO3: Understand, analyze and suggest new looks to build a character as per the clients / theme requirement

CO4: Understand and and explore fashion photography and product photography

30.Course Name: FASHION THEORY & DESIGN

Course Code: 9FDES2081

CO1: Students will understand the fundamental aspects of fashion, terminology and theories related to fashion
CO2: Explain the process of fashion diffusion across the consumer segments, regulatory bodies and fashion profession
CO3: To improve fluency in expressing fashion concepts ideas through illustration
CO4: To widen the horizon of tools that may used to develop and present work
CO5: To gain confidence and build a sense of comfort in the use of drawing and presentation

31.Course Name: APPAREL CONSTRUCTION
Course Code: 9FDES2091

CO1: to have an in-depth knowledge of the principles of draping, pattern making, and its concepts in order to produce design variations and make clothing

CO2: To make pattern for various clothing style as well as based on gender

CO3: To convert two dimensional form into three dimensional form of a garment.

CO4: To understand the grain of fabric and its behaviour while pattern making and draping.

CO5: Learn various techniques of pattern making and its application in [pattern development.

CO6 : To be able to stitch and finish the garment with appropriate seams and trims.

32.Course Name: PROJECT - IV
Course Code: 9PROJ2021

CO1: To design and create uniforms for a particular work sector.

CO2: Ideate an appropriate concept based on gained research findings

CO3: Propose an plan, material and technique for selected concept

CO4: Develop a digital and physical portfolio with respective software

33.Course Name: ELECTIVE 01 (Photography)
Course Code: 9CDES2061

CO1: to understand the principles of photography.
CO2 : able to understand the lighting of photography.
CO3 : to be aware of the various possibilities of photography.

34.Course Name: Branding I
Course Code: 9CDES2081

CO1:To Understand the concept of branding and brand identity.

CO2: To create a Brand identity to implement on an explainer Product.

CO3: To use the market research for creating effective brand identity.

35.Course Name: Responsive Website Design & Social Media Design
Course Code: 9CDES2091

CO1:To Learn how to effectively communicate messages and information through visual elements in graphics.

CO2: To Learn how to optimize infographics for different platforms, including web, social media, and print.

CO3: To create graphics and Infographics for Explainer digital Content.

CO4:To create visually appealing and user-friendly websites that adapt to different screen sizes and devices using Digital tools (eg : Adobe XD)

CO5: to gain awareness about the programming language used for web design.

CO6: To Create Design campaigns for social media using digital tools (Adobe photoshop , Adobe Illustrator)

36.Course Name: Project IV

Course Code: 9PROJ2021

CO1: Design Brand according to given brief

CO2: Ideate an appropriate concept based on gained research findings

CO3: Create promotional design in web interface

CO4: Create branding Campaign design for the platform of social media

37.Course Name: Elective 01 (Interior Styling)
Course Code:9IDES2061

CO1: Apply the concept of interior styling in a space

CO2: Developing an idea using multiple materials.

CO3: Implementation of interior style

CMR UNIVERSITY
Private University Estd in Karnataka State by Act No. 45 of 2013

School of Legal Studies

School of Legal Studies

B.A.,LL.B. (Hons)

1. **Course Name: English**

Course Code: 5BAL101/5BBL101

CO1: Understand the meaning and application of domain specific words and phrases related to law.

CO2: Use domain specific words and phrases related to law accurately while drafting legal documents.

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2. **Course Name: Political Theory**

Course Code: 5BAL102

CO1: Explore and analyze political history, processes, administration and politics of state.
CO2: Discover and examine Political philosophies, ideologies, and the historical development of political thought.
CO3: Understand and critically analyze political processes and evaluate events in local, national and international politics.

3. **Course Name: Political Organisation**

Course Code: 5BAL103

CO1: Formulate stronger and more informed perspectives on approaches to studying politics comparatively and demonstrate knowledge of political systems
CO2: understand concepts in context of real life situations and case studies at the national and international level.
CO3: Identify, describe, analyse and evaluate the major events of the world.

4. **Course Name: Elements of Research and Writing**

Course Code: 5BAL104/5BBL104

CO1: Have a rudimentary understanding of law and legal systems.
CO2: Read and understand legal language including foreign language maxims and jargon. CO3: Understand and conduct basic interpretation of statutes and judgements.
CO4: Conduct rudimentary legal research in pursuance of writing term papers and minor research articles.

5. **Course Name: Law of Contract**

Course Code: 5BAL105/5BBL105

CO1: Understand and apply the general principles underlying the law of contracts.

CO2: Analyze and interpret the provisions of the Indian Contract Act, 1872 and apply the same to real life situations.

CO3: Analyze and offer solutions to problems arising out of contractual transactions.

6. **Course Name: Special English**

Course Code: 5BAL201/5BBL201

CO1: Understand the meaning and application of domain specific words and phrases related to law.

CO2: Use domain specific words and phrases related to law accurately while drafting legal documents.

7. **Course Name: International Relations**

Course Code: 5BAL202

CO1: Understand key concepts & concerns in International Relations

CO2: Analyze the way power is acquired and used globally & how states and non-state actors interact.

CO3: Relate with contemporary theories of international relations and use them as lenses in explaining outcomes & events in world affairs.

CO4: Evaluate & synthesize information on National & International Geopolitics.

8. **Course Name: Public Administration**

Course Code: 5BAL203

CO1: Discover and examine the various Political philosophies and ideologies in the development of Public Administration.

CO2: Understand and critically analyze the functioning of the government.

CO3: Assess, evaluate and appreciate how each organ of the government has dealt with social, economic, and political problems.

9. **Course Name: Principles of Economics**

Course Code: 5BAL204

CO1: Explain the effect of shifts in market supply and demand curves on price and quantity produced by firms.

CO2: Understand how consumers maximise total utility within a given income using the utility concepts.

CO3: Examine the effects of negative and positive externalities and examine the real-world externality situations.

CO4: Analyse relationship between different cost and revenue concept related to production process.

10. **Course Name: Law of Tort including MV Act and Consumer Protection Laws**

Course Code: 5BAL205/5BBL205

CO1: Analyze the principles of tortious liability and distinguish them from crimes and breach of contract.

CO2: Know the significance of cyber and economic tort in the contemporary era;

CO3: Cope with professional challenges in the required domain

11. Course Name: World Constitutions

Course Code: 5BAL301

CO1: Understand the various constitutions of the world.

CO2: Understand the political behavior and different methodology adopted by different states

12. Course Name: Legal Philosophy and Legal Language

Course Code: 5BAL302/5BBL302

CO1: Understand and appreciate key legal concepts and philosophical background of various sub domains in law.

CO2: Read and understand judgements and academic works of significance.

CO3: Write case comments, book reviews, articles and other scholarly works with proper citations

13. Course Name: Macro Economics

Course Code: 5BAL303

CO1: Understand and analyze the macroeconomic variables such as national income, business cycles etc

CO2: Understand and analyze budget; Operation and functioning of Commercial Banks

CO3: Asses factors involving in the financial sector affecting inflation and deflation

14.Course Name: Special Contract

Course Code: 5BAL304/5BBL304

CO1: Interpret and analyze different kinds of specific contracts

CO2: Understand, interpret and apply the provisions related to regulations and compliances.

CO3: Understand, interpret and apply the law related to Partnership and Sale of Goods.

15. Course Name: Family Law I

Course Code: 5BAL305/5BBL305

CO1: Understand, with reference to uncodified Hindu Law, the matters relating to joint family system, competency, karta and his powers, partition and the Hindu Religious Endowments.

CO2: Understand, interpret and apply the law related to marriage, Divorce and Maintenance.

CO3: Identify and understand the scheme of succession under the Hindu Law.

16. Course Name: Political Obligation

Course Code: 5BAL401

CO1: Explore and analyze political history with respect to civil disobedience.

CO2: Discover & examine Political ideologies in understanding state's sanctions.

CO3: Understanding and critically analyze the functioning of the legitimate moral basis of " enforcement of Law" must move away from coercion to the "conscience "of the individual.

17. Course Name: History of Courts and Constitutional Philosophy

Course Code: 5BAL402/5BBL402

CO1: Appreciate the structure and functioning of different Courts in different periods in the history of India.

CO2: Understand the various developments that led to the establishment of the current judicial system and codification of law in India.

CO3: Understand and analyze the events leading up to the making of the Constitution of India and its salient features.

18. Course Name: International Economics

Course Code: 5BAL403

CO1: Gain strong foundation in the principles of international economics

CO2: Know the trade policies at the national and international levels and the impact of the globalization on income, employment and social standards in the current international scenario CO3: Gain an understanding of the trade policies

19. Course Name: Law of Crimes Paper I: Penal Code

Course Code: 5BAL404/5BBL404

CO1: Understand the various principles of criminal law and the various theories of punishment. Understand the latest amendments and emerging trends in Criminal Law through case studies. CO2: Understand the various offences of the Indian Penal Code and the ingredients constituting these offences.

20. Course Name: Family Law II

Course Code: 5BAL405/5BBL405

CO1: Analyze, interpret and apply various customary practices followed by Muslims, Christian & Parsis.

CO2: Understand, interpret and apply rules of succession and transfer of property for Muslims, Christian & Parsis.

CO3: Understand the concept and rules of Adoption and Guardianship under Muslim law

21. Course Name: Principles and Practices of Management

Course Code: 5BBL101

CO1: Understand various management concepts and the functions at various levels in the organisation.

CO2: Identify and understand the various types of plans and their process and limitations.

CO3: Interpret why a good organisational structure and coordination is needed for effective organisations.

CO4: Understand the various types of decision and how to apply scientific decision making process

22. Course Name: Managerial Economics

Course Code: 5BBL102

CO1: Apply the objectives of business firms, demand analysis and elasticity of demand in daily life and in their career.

CO2: Identify the effective applications of factors of production and Break Even Point Analysis.

CO3: Understand the determination of Price, Market structure and competition.

23. Course Name: Human Resource Management

Course Code: 5BBL202

CO1: Analyse the process of job analysis and its importance as a foundation of human resource management practice.

CO2: Understand the importance of career planning and succession planning

CO3: Understand the practical knowledge on E-HRM, E-compensation, E-learning

CO4: Espouse knowledge on HRD intervention in Business

24. **Course Name:** Business Communication

Course Code: 5BBL203

CO1: Identify the importance of communication to gain a general understanding of the communication process, and to overcome barriers in communication.

CO2: Recognize the importance of non-verbal communication and use of various communications devices.

CO3: Describe the concepts of Interpersonal communication, corporate and interpersonal communication.

CO4: Associate the fundamentals of the report writing process and to produce effective reports characterized by using creative charts, tables and diagrams.

25. **Course Name:** Cost and Management Accounting

Course Code: 5BBL204

CO1: Identify the importance of cost and management accounting, to gain a broader understanding of concepts, principles and terminology in cost and management accounting.

CO2: Recognize and familiarize the various tools used in cost and management accounting.

CO3: Associate the components of financial statements using ratios.

CO4: Demonstrate the critical thinking skills to analyse and prepare cost sheets and perform ratio analysis.

26. **Course Name:** Principles of Economics

Course Code: 5BBL204

CO1: Explain the effect of shifts in market supply and demand curves on price and quantity produced by firms.

CO2: Understand how consumers maximise total utility within a given income using the utility concepts.

CO3: Examine the effects of negative and positive externalities and examine the real-world externality situations.

CO4: Analyse relationship between different cost and revenue concept related to production process.

27. Course Name: Business Statistics

Course Code: 5BBL301

CO1: Understand the various constitutions of the world.

CO2: Understand the political behavior and different methodology adopted by different states

28. Course Name: Macro Economics

Course Code: 5BBL303

CO1: Understand and analyze the macroeconomic variables such as national income, business cycles etc

CO2: Understand and analyze budget; Operation and functioning of Commercial Banks

CO3: Asses factors involving in the financial sector affecting inflation and deflation

29. Course Name: Marketing Management

Course Code: 5BBL401

CO1: Relate Marketing Mix as a framework for Marketing Decision making.

CO2: Understand the need, importance and process of Marketing Planning and Control.

CO3: Learn and examine the students to the dynamic nature of Marketing Function.

Co4: Acquire an understanding of fundamental concepts of Marketing

30. Course Name: Financial Management

Course Code: 5BBL403

CO1: Describe the financial environment within which organizations must operate

CO2: Critically evaluate the financial objectives of various types of organizations and the respective requirements of stakeholders

CO3: Explain alternative sources of finance and investment opportunities and their suitability in particular circumstances

CO4: Assess the factors affecting investment decisions and opportunities presented to an organization

CO5: Select and apply techniques in managing working capital.

31. Course Name: Constitutional Law-I

Course Code: 5BAL501/5BBL501

CO1: Understand the Constitutional framework in India

CO2: Understand the fundamental concepts of Constitutional Law and the role played by the Indian judiciary in upholding the same

CO3: Analyse, appreciate and cherish the Preamble, Fundamental Right and Directive Principles of the Indian Constitution

32. Course Name: Jurisprudence

Course Code: 5BAL502/5BBL502

CO1: Understand the concept of law and the method of jurisprudence Understand the systematic arrangement of the general principles of law Identify and understand the various sources of law

CO2: Understand the key concepts of law Understand generally the administration of justice

33. Course Name: Law of Property

Course Code: 5BAL503/5BBL503

CO1: Understand and apply the general principles underlying the law of Property

CO2: Analyze and interpret the provisions of the Transfer of Property Act, 1882 and apply the same to real life situations

CO3: Analyze and offer solutions to problems arising out of Property transactions.

34. Course Name: Company Law

Course Code: 5BAL504/5BBL504

CO1: Understand and apply the general principles underlying the Company law.

CO2: Analyze and interpret the provisions of the Companies Act, 2013 and apply the same to real life situations.

CO3: Analyze and offer solutions to problems arising out of Shareholders and Directors of the company.

35. Course Name: Banking Law including IB Code

Course Code: 5BAL505/5BBL505

CO1: Understand the existing Banking and securitization Laws in India

CO2: Deal with both regulatory and operational aspects of the above-mentioned laws

CO3: Learn the alternate grievance redressal systems existing in the Banking sector in India

36. Course Name: Comparative Constitutional Law

Course Code: 5BAL521/5BBL521

CO1: Understand the evolution and history of the various constitutional systems.

CO2: Gain a thorough understanding of the underlying concepts of constitutionalism.

CO3: Understand the institutional framework under modern constitutional democracies.

37. Course Name: Corporate Governance, Mergers and Acquisition

Course Code: 5BAL522/5BBL522

CO1: Understand the framework of corporate governance

CO2: Understand its relevance in maintaining ethical practices by corporates

CO3: Understand the Merger and Acquisition Framework

38. Course Name: Administrative Law

Course Code:
5BAL601/5BBL601

CO1: Critically explain the different concepts and principles relating to administrative law and administrative justice in India.

CO2: Classify administrative action, identify excess or abuse of administrative discretion and evaluate the adequacy of grounds for judicial review.

CO3: Examine the appropriate procedure and remedies available to persons aggrieved by an administrative action.

39. Course Name: Labour Law I

Course Code: 5BAL602/5BBL602

CO1: Acquainted with the Industrial relations framework in our country.

CO2: Appreciate the importance of the maintenance of Industrial peace and efforts to reduce the incidence of Strikes and Lockout through Industrial Disputes Act, 1947.

CO3: Acquainted with the Trade Union system in India and be able to analyze collective bargaining principles in a practical manner.

40. Course Name: Public International Law

Course Code: 5BAL603/ 5BBL603

CO1: Comprehend how global legal system works

CO2: Understand the principal treaties and case law within international law and to consider the context at hand and apply it in factual situations.

CO3: Identify rights and obligations of States, International Organisations, NGOs, individuals as subjects of International Law.

41. Course Name: Legislative Drafting

Course Code: 5BAL621/ 5BBL621

CO1: Focus on the nature of legislation and on the steps in preparing legislation in common law jurisdictions, using legislative punctuation and grammar, and drafting legislative sentences.

CO2: Develop drafting skills and become familiar with approaches to legislative drafting that are typical in common law jurisdictions.

42. Course Name: International Trade Economics

Course Code: 5BAL622/ 5BBL622

CO1: Understand the history, establishment, structure and functions of WTO

CO2: Understand various agreements entered into under the auspices of the WTO and their importance in International Trade Relations

CO3: Understand International Contracts for Sale of Goods

CO4: Understand the Law and Policy related to Export and Import Trade in India

43. Course Name: Interpretation of Statutes

Course Code: 5BAL623/ 5BBL623

CO1: Understand the various principles and rules of interpretation of statutes

CO2: Apply such rules/principles and interpret various provisions of law

CO3: Understand the law in reference newer facts, conditions and case laws that continue to arise

CO4: Understand the grammar of law and fundamental principles of law, which helps in ascertaining the true meaning of law

44. Course Name: Labour Law II

Course Code: 5BAL701/ 5BBL701

CO1: Analyze the judicial delineation of an employer's liability as against an accident arising out of and in the course of employment.

CO2: Understand the rationale behind and the need for minimum wages.

CO3: Understand the social security for women workers with reference to maternity benefit.

CO4: Understand the main health, safety and welfare provisions for workers in factories and the applicability of the provisions.

CO5: Analyse the application of law of prohibition of child labour, the judicial pronouncement in this arena and the advantages and disadvantages of the amendment made to the Child Labour (Prohibition and Regulation) Act.

45. Course Name: Environmental Law

Course Code: 5BAL702/ 5BBL702

CO1: Explain the various environmental legislations and legal obligations.

CO2: Understand and apply the principle of sustainable development.

CO3: Conceptualize international legal principles of environmental law within the municipal framework

CO4: Understand the challenges to environment from an Indian perspective

46. Course Name: Alternate Dispute Resolution System

Course Code: 5BAL703/ 5BBL703

CO1: Understand and apply Arbitration Law and Practice including International arbitration and Arbitration rules.

CO2: Understand the concept of Conciliation and its uses.

CO3: Understand and apply Mediation and Negotiation skills.

47. Course Name: Private International Law

Course Code: 5BAL721/ 5BBL721

CO1: Understand the conflict of laws under various legal systems pertaining to jurisdiction, marriage, divorce, adoption, maintenance, property.

CO2: Understand torts and contracts laws.

CO3: Understand the enforcement of foreign judgements and arbitral award

48. Course Name: White Collar Crimes

Course Code: 5BAL722/ 5BBL722

CO1: Understand the concept and definition of white collar crime

CO2: Understand the other tenets of white collar crime such as organizational and corporate crimes as part of white collar crime

CO3: Understand the various deviances covered under white collar crime and their statutory regulations

49. Course Name: Penology and Victimology

Course Code: 5BAL723/ 5BBL723

CO1: Understand the concept and objectives of punishment.

CO2: Analyze and interpret the provisions of various laws governing the principles of penology and victimology

CO3: Analyze and offer solutions to problems arising out of offender victim relationships.

CO4: Understand the punishment, sentencing and compensation policy

50. Course Name: Code of Civil Procedure

Course Code: 5BAL801/ 5BBL801

CO1: Understand and apply the general principles underlying in civil procedures.

CO2: Analyze and interpret the provisions of the Civil Procedure Code and apply the same to real life situations

CO3: Analyze and offer solutions to problems arising out of civil transactions.

51. Course Name: Criminal Law II

Course Code: 5BAL802/ 5BBL802

CO1: Understand and apply the procedural aspects of criminal prosecution right from initiation, conviction and sentencing.

CO2: Analyze and interpret the provisions of the Criminal Procedure Code and understand the powerful presence of the judiciary.

CO3: Understand the powers of the Police under the Code and declare that investigation is the prerogative of the Police.

52. Course Name: Drafting, Pleading and Conveyance

Course Code: 5BAL803/ 5BBL803

CO1: Make them understand general principles of drafting and relevant substantive Acts, rules and procedures

CO2: Employ the skills in drafting, pleadings, indispensable in litigation work

CO3: Apply the legal drafting abilities, during appearances before various, courts, tribunals & quasi judicial bodies.

CO4: Recognize the ways to move the civil and criminal justice system with aid of drafting.

CO5: Classify the formats for drafting various applications and documents

CO6: Drafting is required for all the activities related to legal professional be litigation or nonlitigation

53. Course Name: Women and Criminal Law

Course Code: 5BAL821/ 5BBL821

CO1: Understand the existing legal and Constitutional Protection for women

CO2: Understand the special laws in India on the protection of Women.

CO3: Understand the International and Inter Governmental achievements

CO4: Acquire deeper understanding and research skills in the area

54. Course Name: Maritime Law

Course Code: 5BAL822/ 5BBL822

CO1: Understand the idea of customs and International Conventions.

CO2: Understand the Civil & Criminal, Attachment of ships concepts; concept of Maritime Property; Geographical limits of Salvage & Eligibility of a Salvor; Remedies including Security of the claim.

CO3: Understand the International Sales of Goods, Carriage of Goods by Sea and Contracts of Carriage.

55. Course Name: Media and Law

Course Code: 5BAL823/ 5BBL823

CO1: Understand the philosophical justification of the protection of Freedom of the Press.

CO2: Analyze the various legislative provisions relating to media, the freedom of expression of the fourth Estate and their restrictions.

CO3: Analyse the principles underlying various judicial responses and their outcome

56. Course Name: Law of Evidence

Course Code: 5BAL901/ 5BBL901

CO1: Understand the ways in which evidence can be presented; how to read it actively and with purpose.

CO2: Research, analyse and apply evidentiary standards to complex issues and present a persuasive written and oral argument for the admission or exclusion of the evidence

CO3: Construct an argument for or against the relevance of a particular piece of evidence and be able to construct an argument for or against the admissibility of a range of types of evidence.

CO4: Analyze and evaluate the rules governing examination in chief, cross examination and re-examination, and establish the procedures in the conduct of a civil or criminal trial.

CO5: Determine and evaluate the main considerations to be exercised by a legal practitioner when preparing a case for trial.

57. Course Name: Professional Ethics and Accountancy for Lawyers

Course Code: 5BAL902/ 5BBL902

CO1: Introduce students to the rules of professional ethics which apply to lawyers in India.

CO2: Analyze and critically examine such rules of professional ethics.

58. Course Name: Psychology and Forensic Science

Course Code: 5BAL921/ 5BBL921

CO1: Understand and apply the general principles underlying criminal psychology and forensics

CO2: Analyze and interpret the provisions of the Indian Evidence Act

CO3: Analyze and offer solutions to issues and problems in forensics and psychology

59. Course Name: Humanitarian and Refugee Law

Course Code: 5BAL922/ 5BBL922

CO1: Understand and apply the various conventions and their applicability under municipal jurisdictions.

CO2: Analyze and interpret and analyze various issues and developments in the field of Humanitarian and Refugee Laws.

CO3: Analyze and offer solutions to problems of Humanitarian and Refugee Laws

60. Course Name: Law of Taxation

Course Code: 5BALA01/ 5BBLA01

CO1: Know the primary purpose of taxation and its purpose

CO2: Make law students understand and learn on Taxes in India which are levied by the Central Government and the state governments, and the local authorities such as the Municipality

CO3: Learn the latest development on taxation law in India.

CO4: Understand Goods and Services Tax (GST) as an indirect tax (or consumption tax) imposed in India on the supply of goods and services.

61. Course Name: Moot Court, Observation of Trial and Client Interviewing

Course Code: 5BALA02/ 5BBLA02

Moot court is one of the key activities (the others being law review and clinical work). The students may spend a semester researching and writing the written submissions or memorials, and practicing their oral arguments, or may prepare both within the span of a few weeks.

Mooting is a form of an Oral proceeding to see how efficient a student is in fighting an argument based on law.

For a student who is going to become a lawyer in the near future, mooting is very important as an integral part of their education because it will help them and make them work easy and present in a real courtroom.

The advantages of mooting are networking, researching and writing skills, building confidence, practical knowledge, motivation, team work and creative thinking.

62. Course Name: Comparative Criminal Procedure

Course Code: 5BALA21/ 5BBLA21

CO1: Understand criminal law and procedure under different jurisdictions

CO2: Understand the application of criminal procedure during pre trial and trial proceedings in various jurisdictions.

CO3: Identify and analyze safeguards and rights available to the undertrials and arrested persons in different countries.

63. Course Name: International Criminal Law and International Criminal Court

Course Code: 5BALA22/ 5BBLA22

CO1: Understand issues of international criminal law in particular concerning the international criminal justice and the individual criminal responsibility for genocide, crimes against humanity, war crimes and the crime of aggression.

CO2: Understand the jurisdictional issues in the context of International Criminal Law and understand the difference in jurisdiction of International Criminal Law and International Criminal Tribunals.

CO3: Search, analyze, and work with legally relevant information by using the juridical, comparative and other specific methods.

64. Course Name: Insurance Law

Course Code: 5BALA23/ 5BBLA23

CO1: Learn the legal aspects of insurance

CO2: Learn the regulatory framework of insurance sector

CO3: Claim Settlement aspects of insurance in view of policy holder and Insurance companies.

CO4: Appreciate the importance of insurance in society, its role and understand the role of a lawyer in the field of insurance.

School of Legal Studies

B.B.A.,LL.B. (Hons)

1.

21. Course Name: Family Law II

Course Code: 5BBL501

CO1: Develop the skills to think objectively and analytically about various customary practices followed in Islam

CO2: Understand the perspectives of persons with respect to various practices followed by Muslims in Islam

CO3: Critically analyze the precedents which are set by people of both Pre-Islamic and Post Islamic Era

CO4: Become familiar with the laws prevailing pertaining to Muslims and trying to relate with the modern society

22. Course Name: Company Law

Course Code: 5BBL502

CO1: Understand and apply the general principles underlying the Company law.

CO2: Analyze and interpret the provisions of the Companies Act, 2013 and apply the same to real life situations.

CO3: Analyze and offer solutions to problems arising out of Shareholders and Directors of the company.

23. Course Name: Law of Property

Course Code: 5BBL503

CO1: Understand and apply the general principles underlying the law of Property

CO2: Analyze and interpret the provisions of the Transfer of Property Act, 1882 and apply the same to real life situations

CO3: Analyze and offer solutions to problems arising out of Property transactions.

24. Course Name: Comparative Constitutional Law

Course Code: 5BBL521

CO1: Understand the evolution and history of the various constitutional systems.

CO2: Gain a thorough understanding of the underlying concepts of constitutionalism.

CO3: Understand the institutional framework under modern constitutional democracies.

25. Course Name: Corporate Governance, Mergers and Acquisition

Course Code: 5BBL522

CO1: Understand the framework of corporate governance

CO2: Understand its relevance in maintaining ethical practices by corporates

CO3: Understand the Merger and Acquisition Framework

26. Course Name: Banking Law

Course Code: 5BBL523

CO1: Understand the existing Banking and securitization Laws in India

CO2: Deal with both regulatory and operational aspects of the above-mentioned laws

CO3: Learn the alternate grievance redressal systems existing in the Banking sector in India

27. Course Name: Administrative Law

Course Code: 5BBL601

CO1: Critically explain the different concepts and principles relating to administrative law and administrative justice in India.

CO2: Classify administrative action, identify excess or abuse of administrative discretion and evaluate the adequacy of grounds for judicial review.

CO3: Examine the appropriate procedure and remedies available to persons aggrieved by an administrative action.

28. Course Name: Labour Law I

Course Code: 5BBL602

CO1: Acquainted with the Industrial relations framework in our country.

CO2: Appreciate the importance of the maintenance of Industrial peace and efforts to reduce the incidence of Strikes and Lockout through Industrial Disputes Act, 1947.

CO3: Acquainted with the Trade Union system in India and be able to analyze collective bargaining principle in a practical manner.

29. Course Name: Public International Law

Course Code: 5BBL603

CO1: Comprehend how global legal system works

CO2: Understand the principal treaties and case law within international law and to consider the context at hand and apply it in factual situations.

CO3: Identify rights and obligations of States, International Organisations, NGOs, individuals as subjects of International Law.

30. Course Name: Legislative Drafting

Course Code: 5BBL621

CO1: Focus on the nature of legislation and on the steps in preparing legislation in common law jurisdictions, using legislative punctuation and grammar, and drafting legislative sentences.

CO2: Develop drafting skills and become familiar with approaches to legislative drafting that are typical in common law jurisdictions.

31. Course Name: International Trade Economics

Course Code: 5BBL622

CO1: Understand the history, establishment, structure and functions of WTO

CO2: Understand various agreements entered into under the auspices of the WTO and their importance in International Trade Relations

CO3: Understand International Contracts for Sale of Goods

CO4: Understand the Law and Policy related to Export and Import Trade in India

32. Course Name: Interpretation of Statutes

Course Code: 5BBL623

CO1: Understand the various principles and rules of interpretation of statutes

CO2: Apply such rules/principles and interpret various provisions of law

CO3: Understand the law in reference newer facts, conditions and case laws that continue to arise

CO4: Understand the grammar of law and fundamental principles of law, which helps in ascertaining the true meaning of law

33. Course Name: Labour Law II

Course Code: 5BBL701

CO1: Analyze the judicial delineation of an employer's liability as against an accident arising out of and in the course of employment.

CO2: Understand the rationale behind and the need for minimum wages.

CO3: Understand the social security for women workers with reference to maternity benefit.

CO4: Understand the main health, safety and welfare provisions for workers in factories and the applicability of the provisions.

CO5: Analyse the application of law of prohibition of child labour, the judicial pronouncement in this arena and the advantages and disadvantages of the amendment made to the Child Labour (Prohibition and Regulation) Act.

34. Course Name: Environmental Law

Course Code: 5BBL702

CO1: Explain the various environmental legislations and legal obligations.

CO2: Understand and apply the principle of sustainable development.

CO3: Conceptualize international legal principles of environmental law within the municipal framework

CO4: Understand the challenges to environment from an Indian perspective

35. Course Name: Alternate Dispute Resolution System

Course Code: 5BBL703

CO1: Understand and apply Arbitration Law and Practice including International arbitration and Arbitration rules.

CO2: Understand the concept of Conciliation and its uses.

CO3: Understand and apply Mediation and Negotiation skills.

36. Course Name: Private International Law

Course Code: 5BBL721

CO1: Understand the conflict of laws under various legal systems pertaining to jurisdiction, marriage, divorce, adoption, maintenance, property.

CO2: Understand torts and contracts laws.

CO3: Understand the enforcement of foreign judgements and arbitral award

37. Course Name: White Collar Crimes

Course Code: 5BBL722

CO1: Understand the concept and definition of white collar crime

CO2: Understand the other tenets of white collar crime such as organizational and corporate crimes as part of white collar crime

CO3: Understand the various deviances covered under white collar crime and their statutory regulations

38. Course Name: Penology and Victimology

Course Code: 5BBL723

CO1: Understand the concept and objectives of punishment.

CO2: Analyze and interpret the provisions of various laws governing the principles of penology and victimology

CO3: Analyze and offer solutions to problems arising out of offender victim relationships.

CO4: Understand the punishment, sentencing and compensation policy

39. Course Name: Code of Civil Procedure

Course Code: 5BBL801

CO1: Understand and apply the general principles underlying in civil procedures.

CO2: Analyze and interpret the provisions of the Civil Procedure Code and apply the same to real life situations

CO3: Analyze and offer solutions to problems arising out of civil transactions.

40. Course Name: Criminal Law II

Course Code: 5BBL802

CO1: Understand and apply the procedural aspects of criminal prosecution right from initiation, conviction and sentencing.

CO2: Analyze and interpret the provisions of the Criminal Procedure Code and understand the powerful presence of the judiciary.

CO3: Understand the powers of the Police under the Code and declare that investigation is the prerogative of the Police.

41. Course Name: Drafting, Pleading and Conveyance

Course Code: 5BBL803

CO1: Make them understand general principles of drafting and relevant substantive Acts, rules and procedures

CO2: Employ the skills in drafting, pleadings, indispensable in litigation work

CO3: Apply the legal drafting abilities, during appearances before various, courts, tribunals & quasi judicial bodies.

CO4: Recognize the ways to move the civil and criminal justice system with aid of drafting.

CO5: Classify the formats for drafting various applications and documents

CO6: Drafting is required for all the activities related to legal professional be litigation or nonlitigation

42. Course Name: Women and Criminal Law

Course Code: 5BBL821

CO1: Understand the existing legal and Constitutional Protection for women

CO2: Understand the special laws in India on the protection of Women.

CO3: Understand the International and Inter Governmental achievements

CO4: Acquire deeper understanding and research skills in the area

43. Course Name: Maritime Law

Course Code: 5BBL822

CO1: Understand the idea of customs and International Conventions.

CO2: Understand the Civil & Criminal, Attachment of ships concepts; concept of Maritime Property; Geographical limits of Salvage & Eligibility of a Salvor; Remedies including Security of the claim.

CO3: Understand the International Sales of Goods, Carriage of Goods by Sea and Contracts of Carriage.

44. Course Name: Media and Law

Course Code: 5BBL823

CO1: Understand the philosophical justification of the protection of Freedom of the Press.

CO2: Analyze the various legislative provisions relating to media, the freedom of expression of the fourth Estate and their restrictions.

CO3: Analyse the principles underlying various judicial responses and their outcome

45. Course Name: Law of Evidence

Course Code: 5BBL901

CO1: Understand the ways in which evidence can be presented; how to read it actively and with purpose.

CO2: Research, analyse and apply evidentiary standards to complex issues and present a persuasive written and oral argument for the admission or exclusion of the evidence

CO3: Construct an argument for or against the relevance of a particular piece of evidence and be able to construct an argument for or against the admissibility of a range of types of evidence.

CO4: Analyze and evaluate the rules governing examination in chief, cross examination and re-examination, and establish the procedures in the conduct of a civil or criminal trial.

CO5: Determine and evaluate the main considerations to be exercised by a legal practitioner when preparing a case for trial.

46. Course Name: Professional Ethics and Accountancy for Lawyers

Course Code: 5BBL902

CO1: Introduce students to the rules of professional ethics which apply to lawyers in India.

CO2: Analyze and critically examine such rules of professional ethics.

47. Course Name: Psychology and Forensic Science

Course Code: 5BBL921

CO1: Understand and apply the general principles underlying criminal psychology and forensics

CO2: Analyze and interpret the provisions of the Indian Evidence Act

CO3: Analyze and offer solutions to issues and problems in forensics and psychology

48. Course Name: Humanitarian and Refugee Law

Course Code: 5BBL922

CO1: Understand and apply the various conventions and their applicability under municipal jurisdictions.

CO2: Analyze and interpret and analyze various issues and developments in the field of Humanitarian and Refugee Laws.

CO3: Analyze and offer solutions to problems of Humanitarian and Refugee Laws

49. Course Name: IPR and Cyber law

Course Code: 5BBL923

CO1: Impart the knowledge about the theoretical foundation and legal protection pertaining to IPR CO2: Understand the gamut of IP rights namely: Copyright, Patent, Design, trademark, geographical Indication, trade secrets and others.

CO3: Identify IP rights as effective policy tool for economic progress of the country.

50. Course Name: Law of Taxation

Course Code: 5BBLA01

CO1: Know the primary purpose of taxation and its purpose

CO2: Make law students understand and learn on Taxes in India which are levied by the Central Government and the state governments, and the local authorities such as the Municipality

CO3: Learn the latest development on taxation law in India.

CO4: Understand Goods and Services Tax (GST) as an indirect tax (or consumption tax) imposed in India on the supply of goods and services.

51. Course Name: Moot Court, Observation of Trial and Client Interviewing

Course Code: 5BBLA02

Moot court is one of the key activities (the others being law review and clinical work). The students may spend a semester researching and writing the written submissions or memorials, and practicing their oral arguments, or may prepare both within the span of a few weeks.

Mooting is a form of an Oral proceeding to see how efficient a student is in fighting an argument based on law.

For a student who is going to become a lawyer in the near future, mooting is very important as an integral part of their education because it will help them and make them work easy and present in a real courtroom.

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54. Course Name: Insurance Law

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CO1: Learn the legal aspects of insurance

CO2: Learn the regulatory framework of insurance sector

CO3: Claim Settlement aspects of insurance in view of policyholder and Insurance companies.

CO4: Appreciate the importance of insurance in society, its role and understand the role of a lawyer in the field of insurance.