

CMR UNIVERSITY
SOET
DEPARTMENT OF CS AND IT

DATA SCIENCE CLUB
Presents

Description

This course is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific technical roles.
You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge.
This course also helps you prepare for the AWS Certified Cloud Practitioner exam.



**CLOUD PRACTITIONER
COURSE**

₹50

[Handwritten signature]

[Handwritten signature]
DEAN

SCHOOL OF ENGINEERING & TECHNOLOGY



Key Takeaways

- FULLY UPDATED FOR CLF-C01: Pass the AWS Certified Cloud Practitioner Certification
- Full Practice Exam with Explanations included!
- Learn the AWS Fundamentals (EC2, ELB, ASG, RDS, ElastiCache, S3)

DEAN

SCHOOL OF ENGINEERING & TECHNOLOGY



What you'll Learn

- Introduction to AWS Cloud Practitioner Essentials
- Cloud Computing
- Amazon EC2 Instance Types
- Amazon EC2 Pricing
- Scaling Amazon EC2
- Elasting Load Balancing
- Messaging and Queuing
- AWS Global Infrastructure
- Edge Locations
- Provisioning AWS Resources
- Connectivity to AWS
- Subnets and Network Access Control Lists
- Global Networking
- Instance Stores and Amazon Elastic Block Store(Amazon EBS)
- Amazon Simple Storage Service (S3)
- Amazon Elastic File System
- Amazon Relational Database
- Amazon DynamoDB
- Amazon Redshift
- AWS Database Migration Service
- Shared Responsibility Model
- User Permissions and Access
- AWS Organisations
- Compliance
- Denial of Service Attacks
- Amazon Cloudwatch
- AWS CloudTrail
- AWS Trusted Advisor
- AWS Free Tier
- AWS Pricing Concepts
- Billing Dashboard
- Consolidated Billing
- AWS Budgets
- AWS Cost Explorer
- AWS Support Plans
- AWS Marketplace
- AWS CAF
- Migration Strategies
- AWS Snow Family
- Innovation with AWS
- AWS Well Architected Framework
- Benefits of the AWS Cloud
- Exam Details

Grab your chance today!



Check out our website:
<https://datascienceclub.netlify.app/>

For further queries,
feel free to contact us!







CMR UNIVERSITY

Private University Established in Karnataka State by Act No. 45 of 2013



DATA SCIENCE CLUB

Post Event Report

Name of the Event: Lecture Series on “AWS: Cloud Practitioner Course”

Duration: 26th March, 2022 to 26th June, 2022

Mode of Event: Online

Number of Participants: 62

Event Summary

On 26th March, the Data Science Club held an introductory session for the free lecture series on **AWS: Cloud Practitioner Course**. The instructor for the course, Venkatbharat Polneni (Club Secretary, Data Science Club) briefed the students about the course content. These courses focused on introducing students to the modern technology and tools which will help them shape their career.

There were 60 odd registrations for the course and the first lecture was held on 26th March with a minimum of 30 participants. The session was interactive and the students also attempted the quizzes and assignments which was assigned to them. Those who missed the sessions were provided with the recording of every session, the quizzes and assignments, so they could complete it at their own pace.

The AWS: Cloud Practitioner course ended on 26th June. The feedback forms were sent to all the participants and the club hopes every student had made the best use of his or her time. Over all the lecture series was successful.

SCHOOL OF ENGINEERING & TECH





CMR UNIVERSITY

SOET

DEPARTMENT OF CS AND IT

DATA SCIENCE CLUB

Presents

Description

This course is for individuals who seek an overall understanding of the Amazon Web Services (AWS) Cloud, independent of specific technical roles.

You will learn about AWS Cloud concepts, AWS services, security, architecture, pricing, and support to build your AWS Cloud knowledge.

This course also helps you prepare for the AWS Certified Cloud Practitioner exam.



CLOUD PRACTITIONER COURSE

Ideas
Events
Doubts
Resources

Data
Science
Club



Key Takeaways

- FULLY UPDATED FOR CLF-C01: Pass the AWS Certified Cloud Practitioner Certification
- Full Practice Exam with Explanations included!
- Learn the AWS Fundamentals (EC2, ELB, ASG, RDS, ElastiCache, S3)

What you'll Learn

- Introduction to AWS Cloud Practitioner Essentials
- Cloud Computing
- Amazon EC2 Instance Types
- Amazon EC2 Pricing
- Scaling Amazon EC2
- Elastic Load Balancing
- Messaging and Queuing
- AWS Global Infrastructure
- Edge Locations
- Provisioning AWS Resources
- Connectivity to AWS
- Subnets and Network Access Control Lists
- Global Networking
- Instance Stores and Amazon Elastic Block Store(Amazon EBS)
- Amazon Simple Storage Service (S3)
- Amazon Elastic File System
- Amazon Relational Database
- Amazon DynamoDB
- Amazon Redshift
- AWS Database Migration Service
- Shared Responsibility Model
- User Permissions and Access
- AWS Organisations
- Compliance
- Denial of Service Attacks
- Amazon Cloudwatch
- AWS CloudTrail
- AWS Trusted Advisor
- AWS Free Tier
- AWS Pricing Concepts
- Billing Dashboard
- Consolidated Billing
- AWS Budgets
- AWS Cost Explorer
- AWS Support Plans
- AWS Marketplace
- AWS CAF
- Migration Strategies
- AWS Snow Family
- Innovation with AWS
- AWS Well Architected Framework
- Benefits of the AWS Cloud
- Exam Details

Grab your chance today!



Check out our website:
<https://datascienceclub.netlify.app/>

For further queries,
feel free to contact us!







CMR UNIVERSITY

SCHOOL OF ENGINEERING AND TECHNOLOGY

“DATA SCIENCE CLUB”

ORIENTATION

Dept. of CSE/IT

17th February, 2021 @1:30pm

Zoom meet link:

<https://us05web.zoom.us/j/83398082422?pwd=WlJLN0dJMW40NEZrM5LU3pqYUhhdz09>

wdz09

Meeting ID: 833 9808 2422

Passcode: dgz8nY

Agenda:

- 1. Introduction**
- 2. Why Data Science and why this club?**
- 3. What do we do in the club?**
- 4. How does being a part of the club help you?**
- 5. Who are we?**
- 6. When and how can you join?**
- 7. Doubts and questions.**

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

Dr. J. D. J.





CMR UNIVERSITY
Private University, Government of Karnataka, Bangalore, India. No. 45 of 2003

SOET

DEPARTMENT OF COMPUTER SCIENCE AND IT
DATA SCIENCE CLUB

PRESENTS

FREE LECTURE SERIES

Handwritten mark

Handwritten signature
DEAN

SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149



DESCRIPTION

If you ever wanted to learn data analysis and statistics, but thought it was too complicated or time consuming, you're in the right place. Start using powerful scientific methods in a simple way. This is the data analysis and statistics course you've been waiting for. Practical, easy to understand, straight to the point.

REQUIREMENTS

Basic Knowledge about computers.

WHO THIS COURSE IS FOR:

- It's for you, if you want to make informed decisions based on data
- It's for you, if you want to be more efficient in your work
- It's for you, if you want to update or develop your skills and analyze data the right way
- It's for you, if you are interested in data analysis or statistics
- It's for you, if the content of other courses turned out to be difficult to understand

DATA ANALYTICS

Using statistics

Proposal to start Introductory Courses on Data Visualization and Data Analytics

30th June, 2021

The Head of Department,
Computer Science and Engineering,
CMR University, SoET,
Hennur-Bagalur Main Road,
Chagalatti, Bagalur, Bengaluru,
Karnataka, INDIA - 562149

Respected Ma'am,

The members of the Data Science Club have come up with an initiative to start introductory courses on Data Visualization and Data Analytics.

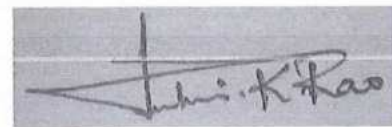
As a part of building new skillsets, we want to introduce our fellow students to the basics of Data Visualization and Analytics. We have a hand-designed curriculum that will be taught by the final year students.

The classes will be conducted online via Google Meet. There will be a 4-hour session every week. Free books and materials related to the course will be provided along with a course completion certificate to the students who have attendance above 70%. Students can register for any one or both courses without any fee.

Thank you.



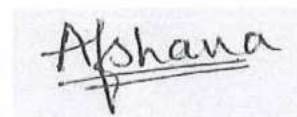
Venkatbharat Poleneni, Sec.,
Data Science Club



Jahnvi K Rao, Asst. Sec.,
Data Science Club



CH Nishitha, Exec. Co-ordinator,
Data Science Club



Syed Afshana Hidayathulla, EO,
Data Science Club



P. S. Rao
DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149



Proposal to start Course on AWS Cloud Practitioner Essentials

7th March, 2022

The Head of Department,
Computer Science and Engineering,
CMR University, SoET,
Hennur-Bagalur Main Road,
Chagalatti, Bagalur, Bengaluru,
Karnataka, INDIA - 562149

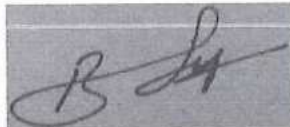
Respected Ma'am,

The members of the Data Science Club have come up with an initiative to start a course on AWS Cloud Practitioner Essentials.

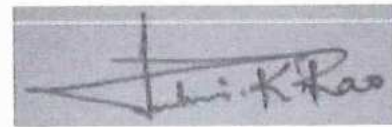
As a part of building new skillsets, we want to introduce our fellow students to the AWS Cloud concepts. We have a hand-designed curriculum that will be taught by the final year students.

The classes will be conducted online via Google Meet. There will be a 4-hour session every week. Free books and materials related to the course will be provided along with a course completion certificate to the students who have attendance above 70%. Students can register for the course with the fee of 50 rupees. With the successful completion of the course, the student will be awarded with the course completion certificate.

Thank you.



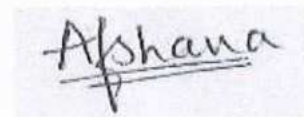
Venkatbharat Poleneni, Sec.,
Data Science Club



Jahnvi K Rao, Asst. Sec.,
Data Science Club



Trishita Gharai, Exec. Co-ordinator,
Data Science Club



Syed Afshana Hidayathulla, EO,
Data Science Club




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









CMR UNIVERSITY
Private University, Established in Karnataka State by Act No. 45 of 2013

School of Engineering and Technology

CHIEF PATRONS

Shri. K.C. Ramamurthy, IPS (Retd.)
Chairman, CMR Group of Institutions &
CMR University.

Dr. Sabitha Ramamurthy
Chancellor, CMR University.

Shri K. R. Jayadeep
Pro Chancellor, CMR University.

Dr. Tristha Ramamurthy
Provost, CMR University.

Mrs. Shreya Reddy
Director of Finance, CMR University.

PATRONS

Dr. Bhaskar Reddy,
Pro Vice Chancellor, CMR University

Dr. Suresh K. R.,
Pro-Vice Chancellor, CMR University

Dr. Praveen R.,
Registrar, CMR University

Dr. C. Prabhakar Reddy
Dean, SoET, CMR University

The Management, Staff & Students Cordially invite you for the
“Inauguration of Data Science Club”
For the Academic Year 2020-21

On
17th February, 2021

Dr. C. Prabhakar Reddy,
Dean, SoET
CMR University, Bengaluru.

Time: 1:30 pm

Mode of conduction: Online, Zoom meet.

Inauguration link:


<https://us05web.zoom.us/j/83398082422?pwd=WjJLN0dJMW40NEZlZm5LU3pqYUhwZDZ09>

Meeting ID: **833 9808 2422**

Passcode: **dgz8nY**

[Handwritten Signature]
DEAN, SoET
SCHOOL OF ENGINEERING AND TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 146





CMR University SOET
 Department of Computer Science

INAUGURATION

DATA SCIENCE CLUB

turning ideas into reality...

FEB 17
@1:30 PM

Zoom meet link:
<https://bit.ly/2Zd94GV>

Meeting ID:
 833 9808 2422

Passcode:
 dgz8ny

[Handwritten signature]
 DEPARTMENT OF ENGINEERING & TECHNOLOGY
 CMR UNIVERSITY

[Handwritten signature]







Data Visualisation

USING TABULEAU

Lecture Series

**FREE
COURSE!**

Key takeaways

- Connect Tableau to a Variety of Datasets
- Analyze, Blend, Join, and Calculate Data
- Visualize Data in the Form of Various Charts, Plots, and Maps

Description

Learn data visualization through Tableau 2020 and create opportunities for you or key decision-makers to discover data patterns such as customer purchase behavior, sales trends, or production bottlenecks. You'll learn all of the features in Tableau that allow you to explore, experiment with, fix, prepare, and present data easily, quickly, and beautifully.

Prerequisites

- Basic knowledge of computers

Stay tuned for dates!

What you'll learn

- Install Tableau Desktop 2020
- Connect Tableau to various Datasets: Excel and CSV files
- Create Barcharts
- Create Area Charts
- Create Maps
- Create Scatterplots
- Create Piecharts
- Create Treemaps
- Create Interactive Dashboards
- Create Storylines
- Understand Types of Joins and how they work
- Work with Data Blending in Tableau
- Create Table Calculations
- Work with Parameters
- Create Dual Axis Charts
- Create Calculated Fields
- Create Calculated Fields in a Blend
- Export Results from Tableau into Powerpoint, Word, and other software
- Work with Timeseries Data (two methods)
- Creating Data Extracts in Tableau
- Understand Aggregation, Granularity, and Level of Detail
- Adding Filters and Quick Filters
- Create Data Hierarchies
- Adding Actions to Dashboards (filters & highlighting)
- Assigning Geographical Roles to Data Elements
- Advanced Data Preparation (including

Perks

Free Resources

To make sure you get the fullest benefit from the course free books and material required for the course will be provided.

Certificate

Course completion certificate will be provided to every participant whose attendance is > 70%.

Tableau Desktop Specialist Readiness

By the end of the course you'll be fully prepared to collect, examine, and present data for any purpose, whether you're working with scientific data or you want to make forecasts about buying trends to increase profits.

Proposal to start Introductory Courses on Data Visualization and Data Analytics

30th June, 2021

The Head of Department,
Computer Science and Engineering,
CMR University, SoET,
Hennur-Bagalur Main Road,
Chagalatti, Bagalur, Bengaluru,
Karnataka, INDIA - 562149

Respected Ma'am,

The members of the Data Science Club have come up with an initiative to start introductory courses on Data Visualization and Data Analytics.

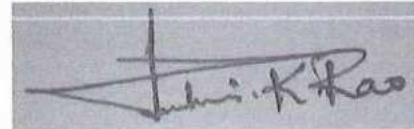
As a part of building new skillsets, we want to introduce our fellow students to the basics of Data Visualization and Analytics. We have a hand-designed curriculum that will be taught by the final year students.

The classes will be conducted online via Google Meet. There will be a 4-hour session every week. Free books and materials related to the course will be provided along with a course completion certificate to the students who have attendance above 70%. Students can register for any one or both courses without any fee.

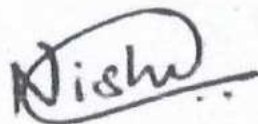
Thank you.



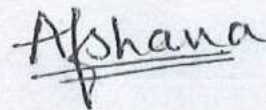
Venkatbharat Poleneni, Sec.,
Data Science Club



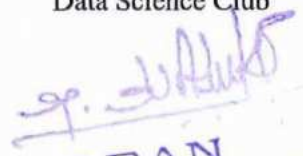
Jahnvi K Rao, Asst. Sec.,
Data Science Club



CH Nishitha, Exec. Co-ordinator,
Data Science Club



Syed Afshana Hidayathulla, EO,
Data Science Club



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





CMR UNIVERSITY
Private University Established in Karnataka's State Capital, Bangalore, 4th July 2003

SOET

Department of Computer Science and
IT

Data Science Club

**FREE
COURSE!**

Data Visualisation

USING TABULEAU

S. Subhiksha

DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 560 075

Lecture Series

Key takeaways

- Connect Tableau to a Variety of Datasets
- Analyze, Blend, Join, and Calculate Data
- Visualize Data in the Form of Various Charts, Plots, and Maps

Description

Learn data visualization through Tableau 2020 and create opportunities for you or key decision-makers to discover data patterns such as customer purchase behavior, sales trends, or production bottlenecks.

You'll learn all of the features in Tableau that allow you to explore, experiment with, fix, prepare, and present data easily, quickly, and beautifully.





Prerequisites

- Basic knowledge of computers



**Stay tuned
for dates!**

What you'll learn

- Install Tableau Desktop 2020
- Connect Tableau to various Datasets: Excel and CSV files
- Create Barcharts
- Create Area Charts
- Create Maps
- Create Scatterplots
- Create Piecharts
- Create Treemaps
- Create Interactive Dashboards
- Create Storylines
- Understand Types of Joins and how they work
- Work with Data Blending in Tableau
- Create Table Calculations
- Work with Parameters
- Create Dual Axis Charts
- Create Calculated Fields
- Create Calculated Fields in a Blend
- Export Results from Tableau into Powerpoint, Word, and other software
- Work with Timeseries Data (two methods)
- Creating Data Extracts in Tableau
- Understand Aggregation, Granularity, and Level of Detail
- Adding Filters and Quick Filters
- Create Data Hierarchies
- Adding Actions to Dashboards (filters & highlighting)
- Assigning Geographical Roles to Data Elements
- Advanced Data Preparation (including

Perks

Free Resources

To make sure you get the fullest benefit from the course free books and material required for the course will be provided.

Certificate

Course completion certificate will be provided to every participant whose attendance is > 70% .

Tableau Desktop Specialist Readiness

By the end of the course you'll be fully prepared to collect, examine, and present data for any purpose, whether you're working with scientific data or you want to make forecasts about buying trends to increase profits.

S. Suresh

DEAN

SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 149





CMR University SOET
 Department of Computer Science
INAUGURATION
DATA SCIENCE CLUB
 turning ideas into reality...

FEB 17
@1:30 PM

Zoom meet link:
<https://bit.ly/2Zd94GV>
 Meeting ID:
 833 9808 2422
 Passcode:
 dgz8ny



CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

• CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

• CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET

• CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

• CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET

• CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

• CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

• CMR UNIVERSITY SOET DEPARTMENT OF COMPUTER SCIENCE

CMR UNIVERSITY SOET

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



CMR UNIVERSITY
Private University, Established in Karnataka State, by Act No. 45 of 2013

School of Engineering and Technology

The Management, Staff & Students Cordially invite you for the

“Inauguration of Data Science Club”

For the Academic Year 2020-21

On

17th February, 2021

**Dr. C. Prabhakar Reddy,
Dean, SoET
CMR University, Bengaluru.**

Time: 1:30 pm

Mode of conduction: Online, Zoom m

Inauguration link:

<https://us05web.zoom.us/j/83398082422?pwd=WUJlNEpJMW40NEZyRm5LU3pqYUhwZD09>

LU3pqYUhwZD09

Meeting ID: 833 9808 2422

Passcode: dgz8nY

DEAN

DEAN

DEAN

DEAN

DEAN

DEAN

DEAN

DEAN

CHIEF PATRONS

Shri. K.C. Ramamurthy, IPS (Retd.)
Chairman, CMR Group of Institutions &
CMR University.

Dr. Sabitha Ramamurthy
Chancellor, CMR University.

Shri K. R. Jayadeep
Pro Chancellor, CMR University.

Dr. Tristha Ramamurthy
Provost, CMR University.

Mrs. Shreya Reddy
Director of Finance, CMR University.

PATRONS

Dr. Bhaskar Reddy,
Pro Vice Chancellor, CMR University

Dr. Suresh K. R.,
Pro-Vice Chancellor, CMR University

Dr. Praveen R.,
Registrar, CMR University

Dr. C. Prabhakar Reddy
Dean, SoET, CMR University



CMR UNIVERSITY
BANGALORE







CMR UNIVERSITY
Private University, Established in Karnataka State by Act No. 60 of 2003

SOET

DEPARTMENT OF COMPUTER SCIENCE AND IT
DATA SCIENCE CLUB

PRESENTS

FREE LECTURE SERIES

DESCRIPTION

If you ever wanted to learn data analysis and statistics, but thought it was too complicated or time consuming, you're in the right place. Start using powerful scientific methods in a simple way. This is the data analysis and statistics course you've been waiting for. Practical, easy to understand, straight to the point.

REQUIREMENTS

Basic Knowledge about computers.

WHO THIS COURSE IS FOR:

- It's for you, if you want to make informed decisions based on data
- It's for you, if you want to be more efficient in your work
- It's for you, if you want to update or develop your skills and analyze data the right way
- It's for you, if you are interested in data analysis or statistics
- It's for you, if the content of other courses turned out to be difficult to understand



DATA

ANALYTICS

Using statistics

DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bangalore 562 449

Signature

STAY

TUNED

FOR

THE

DATA

What you'll learn

- How to analyze data and how to use statistics in practice
- How to predict or explain different behaviors and events
- How to prepare data for the analysis
- How to collect data
- How to create a survey
- How to visualize data
- How to find ideas for data research
- How to tell the story through data
- How to draw conclusions and have profits from the results of your data analysis

Perks



FREE RESOURCES

To make sure you get the fullest benefit from the course free books and material required for the course will be provided.

CERTIFICATE

Course completion certificate will be provided to every participant whose attendance is > 70%.

DATA ANALYTICS READINESS

This course is all about giving you the quickest and easiest way possible to deep dive into data analysis. You won't waste time for theoretical concepts relevant to geeks and developers only. We will dive directly into the key knowledge and methods.







CMR UNIVERSITY

Private University Established in Karnataka State by Act No. 45 of 2013



DATA SCIENCE CLUB

Post Event Report

Name of the Event: Lecture Series on “AWS: Cloud Practioner Course”

Duration: 26th March, 2022 to 26th June, 2022

Mode of Event: Online

Number of Participants: 62

Event Summary

On 26th March, the Data Science Club held an introductory session for the free lecture series on **AWS: Cloud Practioner Course**. The instructor for the course, Venkatbharat Poleneni (Club Secretary, Data Science Club) briefed the students about the course content. These courses focused on introducing students to the modern technology and tools which will help them shape their career.

There were 60 odd registrations for the course and the first lecture was held on 26th March with a minimum of 30 participants. The session was interactive and the students also attempted the quizzes and assignments which was assigned to them. Those who missed the sessions were provided with the recording of every session, the quizzes and assignments, so they could complete it at their own pace.

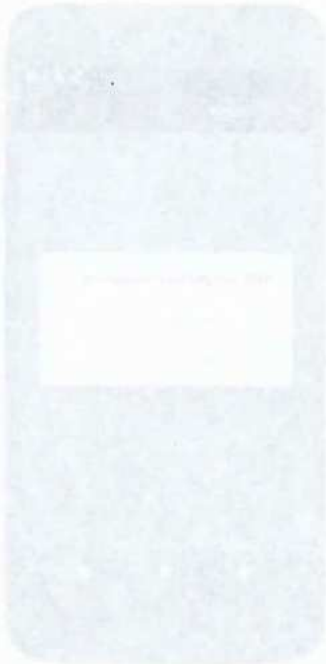
The AWS: Cloud Practioner course ended on 26th June. The feedback forms were sent to all the participants and the club hopes every student had made the best use of his or her time. Over all the lecture series was successful.

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



Feedback from the students:

https://docs.google.com/spreadsheets/d/1tcXe71OmMT6LME4HjB6_t3cDkXlh3ysYsPsVSvpydpA/edit?usp=sharing



[Handwritten signature]

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









CMR UNIVERSITY
Private University Established in Karnataka State by Act No. 45 of 2013



DATA SCIENCE CLUB

Post Event Report

Name of the Event: Lecture Series on “**Data Visualization using Tableau**” and “**Data Analysis using Statistics**”

Duration: 29th September, 2021 to 29th October, 2021

Mode of Event: Online

Number of Participants: 52

Event Summary

On 17th September, the Data Science Club held an introductory session for the free lecture series on **Data Visualization using Tableau** and **Data Analysis using Statistics**. The instructors for the courses, Venkatbharat Poleneni (Club Secretary, Data Science Club) and Kamyra Rachel, briefed the students about the course content. These courses focused on introducing students to the modern technology and tools which will help them shape their career.

There were 50 odd registrations for both the courses and the first lecture for Data Analysis was held on 29th September and for Data Visualization was held on 1st October with a minimum of 27 participants for each course. The session was interactive and the students also attempted the quizzes and assignments which was assigned to them. Those who missed the sessions were provided with the recording of every session, the quizzes and assignments, so they could *complete it at their own pace*.

al

1

hr

Dr. J. S. Ramesh
DEAN

SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bangalore - 562 149



School of Engineering and Technology

Department of Computer Science and Engineering

- Education and Training: Increase the pool of well-trained, highly skilled data scientists to meet national demands by supporting experiential learning opportunities.

Activities Planned:

Education

- Through integrated data exercises in our core courses, our students will gain knowledge of data science fundamentals & applications.
- students work on team projects that reinforce fundamental principles and the broader uses and impacts of data science.

Research

1. Strategic research area: Multimodal data processing, data handling and knowledge representation
 - Text and NLP processing techniques
 - Image, video and signal processing
 - Advanced data and knowledge oriented DB: (storage, querying, and knowledge presentation
 - NoSQL DB, Graph DB, RF triple stores, data warehousing, OLAP, spatio-temporal databases and data streams
 2. Strategic research area: Machine learning and data mining techniques
 - Versatile and scalable algorithms, Multilabel classification; active and online learning; semi Supervised learning
 - Interpretative models: Multi view clustering and re-description mining, Causality enabled Data mining techniques
 - Time series & data streams mining
 - Machine learning techniques for mining complex systems and networks, Modelling & mining processes in multi-layer networks, Outlier detection in graphs
 - Visualization of data and models
 3. Strategic research area: Heterogeneous computing and advanced cloud services
 - Control/Data Flow Computing Architecture
 - Algorithms for Heterogeneous Computing
 - Energy aware Algorithms and Computing Architectures
 - Scalable Cloud and Fog Scientific Computing Services
 4. Strategic research area: Application use cases
 - Bio sciences and healthcare
 - Business analytics and finance
 - Web & multimedia
 - Intelligent transport solutions Industrial Relationships
- Research Proposals/Grants/Projects
 - Workshops




DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bangalore - 562 114



School of Engineering and Technology
Department of Computer Science and Engineering

Beneficiaries of the Centre:

CMRU faculty and students, researchers and students in various domains and the global community.

Establishment of "Centre of Excellence in Data Science" will definitely yield fruitful benefits to our University.

COE Faculty Chief Coordinator:

Dr.Rubini.P, Assoc.Prof & HOD(i/c)-CSE, SOET

COE Faculty Co-ordinator:

Dr.Saravana Kumar S, Prof & HOD(i/c)-M.Tech, SOET

COE Principal Guidance:

Dr.Mohan Kumar S, Prof – CSE & Director IQAC, CMRU

Encl:

Data science club activities and reports for reference.




DEAN
SCHOOL OF ENGINEERING & TECHNOLOGY
CMR UNIVERSITY
Bengaluru - 562 144



School of Engineering and Technology **Department of Computer Science and Engineering**

Centre of Excellence in Data Science @ CMR University

The "Data Science club" was established at SOET, CMR University by the Department of CSE during February 2021.

The Club organized below mentioned activities until date:

- Inauguration of the club – 17th Feb 2021
- Orientation on "Data Science" – 17th Feb 2021
- Free lecture series on "Data Visualization using Tableau" – 1st Oct 2021 to 29th Oct 2021
- Free lecture series on "Data Analysis" – 29th Sep 2021 to 20th Oct 2021
- Free lecture series on "AWS: Cloud Practitioner Course" – 26th Mar 2022 to 26th June 2022.
- Paper Publications in Scopus indexed journals.

The Momentum for creating a centre had begun long before to bring the depth of faculty and student expertise in data science foundations and the longstanding commitment to offer the highest quality education.

The time to launch a centre dedicated to data science become ideal to accelerate rapid growth industry domain, steadily increasing demand by students and the boundless intellectual curiosity in the field of research.

Centre of Excellence in Data Science:

Vision:

- To create a high-energy, collaborative infrastructure and atmosphere to explore challenges at the forefront of data science.

Mission:

- To facilitate the highest quality data science education, research and industrial collaboration.
- To expand the capacity to implement data science research, industry collaborations, educational programming, and the availability of cutting-edge computational tools.

The center will be expertise in data science, data analytics and high performance computing with the following objectives and strategies:

- **Research:** Generate innovative technologies and methods, while increasing competitive research grants and public-private partnerships.
- **Commercialization and Incubation:** Drive growth of large and small commercial partners by supporting the commercialization of new products and services.
- **Consultations and Resources:** Facilitate access to advanced computing and data visualization facilities, resources, and expertise.

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



School of Engineering and Technology

Department of Computer Science and Engineering

- Education and Training: Increase the pool of well-trained, highly skilled data scientists to meet national demands by supporting experiential learning opportunities.

Activities Planned:

Education

- Through integrated data exercises in our core courses, our students will gain knowledge of data science fundamentals & applications.
- students work on team projects that reinforce fundamental principles and the broader uses and impacts of data science.

Research

1. Strategic research area: Multimodal data processing, data handling and knowledge representation
 - Text and NLP processing techniques
 - Image, video and signal processing
 - Advanced data and knowledge oriented DB: (storage, querying, and knowledge presentation
 - NoSQL DB, Graph DB, RF triple stores, data warehousing, OLAP, spatio-temporal databases and data streams
 2. Strategic research area: Machine learning and data mining techniques
 - Versatile and scalable algorithms, Multilabel classification; active and online learning; semi Supervised learning
 - Interpretative models: Multi view clustering and re-description mining, Causality enabled Data mining techniques
 - Time series & data streams mining
 - Machine learning techniques for mining complex systems and networks, Modelling & mining processes in multi-layer networks, Outlier detection in graphs
 - Visualization of data and models
 3. Strategic research area: Heterogeneous computing and advanced cloud services
 - Control/Data Flow Computing Architecture
 - Algorithms for Heterogeneous Computing
 - Energy aware Algorithms and Computing Architectures
 - Scalable Cloud and Fog Scientific Computing Services
 4. Strategic research area: Application use cases
 - Bio sciences and healthcare
 - Business analytics and finance
 - Web & multimedia
 - Intelligent transport solutions Industrial Relationships
- Research Proposals/Grants/Projects
 - Workshops


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



School of Engineering and Technology
Department of Computer Science and Engineering

Beneficiaries of the Centre:

CMRU faculty and students, researchers and students in various domains and the global community.

Establishment of "Centre of Excellence in Data Science" will definitely yield fruitful benefits to our University.

COE Faculty Chief Coordinator:

Dr.Rubini.P, Assoc.Prof & HOD(i/c)-CSE, SOET

COE Faculty Co-ordinator:

Dr.Saravana Kumar S, Prof & HOD(i/c)-M.Tech, SOET

COE Principal Guidance:

Dr.Mohan Kumar S, Prof – CSE & Director IQAC, CMRU

Encl:

Data science club activities and reports for reference.


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

