

Scope of the FDP Programme

This FDP is aimed to impart knowledge and training on the fundamentals of data science and its applications. The main objective is to make the participants familiar with data science and machine learning techniques. Data Science provides the practice of obtaining, exploring, modeling and interpreting data. Working in the discipline such as programming, statistics, mathematics, machine learning, data analysis, visualization and big data are explored. This FDP will be beneficial to faculty members & research scholars who intend to practice/begin research in the field of processing and analysis of data using advanced techniques such as AI/ML/DL etc.

Resource person

Speakers are from renowned Institutes / Universities and Industry.

FDP Coordinator

Dr. E. SYED MOHAMED,
Professor & Head,
Department of
Computer Science & Engineering

Mobile No: 94442 14825



Registration

- Online Registration.
- **Online Registration Link:**



<https://forms.gle/EM2NJ5JVLsrzi45J6>

<https://www.aicte-india.org/atal>

- **No Registration Fee.**
- The number of participants is limited to 100 and the selection is based on first come - first served basis.
- Online google meet link will be provided through Whatsapp/E-mail.

Important date

Last date (Online Registration): **18.09.2020**

Selected Participants will be notified by email on **20.09.2020**

Certification

The Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants on the session attendance and the test performance at the end of the programme. So it is expected that participant should attend all the sessions of the programme.

Eligibility

The faculty members of the AICTE approved institutions, research scholars, PG Scholars, participants from Government, Industry and staff of host institutions.

One Week Online Faculty Development Programme

On

DATA SCIENCE

21st - 25th September 2020

Sponsored by



Organized by

Department of
Computer Science & Engineering

School of Computer, Information and
Mathematical Sciences

B.S. Abdur Rahman
Crescent Institute of Science & Technology,
Vandalur, Chennai- 600048,
Tamilnadu

<https://crescent.education/>

About the Institution

B. S. Abdur Rahman Crescent Institute of Science and Technology is a renowned quality leadership institution located at the greenest spot in Chennai near Tambaram. Through its long history of 36 years of excellence, the institution has offered access to a wide range of academic opportunities. With 56 programmes, grouped under 12 different schools, 33 undergraduate programmes, 23 post graduate programmes and PhD (in all departments), the institution is a rising stalwart in higher education with promising quality, security and placement.

We welcome students from all countries and our educational programmes are designed to equip the learners with virtual knowledge that helps them to achieve what they want to be and go where they want to go in the ladder of success.

About the Department

The Department of Computer Science & Engineering was started in 1990. The department offers four undergraduate programs namely

- B.Tech. CSE
- B.Tech. CSE(IoT)
- B.Tech. CSE (Cyber Security)
- B.Tech. Artificial Intelligence & Data Science

The department also offers post-graduate degree programme and Doctoral Degree Programme in the field of Computer Science and Engineering. The undergraduate and postgraduate programs of Department of Computer Science & Engineering are approved by National Board of Accreditation, New Delhi.

Programme Outcomes

The participants will be given a thorough understanding of the following topics:

- ✓ Orientation of Data Science
- ✓ Infobesity Vs Smart data
- ✓ Evolution of IoT
- ✓ Programming for Big Data
- ✓ Open Source tools for Data Science
- ✓ Insight of Big Data Analytics
- ✓ Database Connectivity and Hadoop Ecosystem
- ✓ Statistical Analysis
- ✓ Machine Learning and Deep Learning
- ✓ Information Visualization Techniques and Metrics
- ✓ Interdisciplinary Scientific Research with Data Science.

Programme Objectives

- Data Science is to solve complex challenges with data and drive important decision-making processes.
- Demand for professionals skilled in data, analytics and machine learning is exploding.
- Merge and analyze large volumes of business centric data from heterogeneous sources to ensure consistency of data-sets.
- Build mathematical models, perform statistical analysis, apply machine learning algorithms and create visualizations to communicate the insights to key stakeholders.



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Pro Vice Chancellor and VC i/c

PATRON

Dr. A. Azad

Registrar

CONVENER

Dr. Venkatesan Selvam

Dean(SCIMS)

COORDINATOR

Dr. E. Syed Mohamed

Professor & Head / CSE

PROGRAMME COMMITTEE

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