

SPEAKERS

Sessions will be handled by experts in the areas of Data science from reputed academic institutions, industries and R&D organizations.

WHO CAN ATTEND

FDP is open to Academicians, Research Scholars and PG Scholars from AICTE approved institutions & Central Government institutions.

EXPECTED OUTCOMES OF THE FDP

- Evolving advanced teaching and learning process in the field of Data science.
- Carry out the predictions to analyze the importance of variables in real time datasets.
- Enhance problem statements and possible solutions for the industry and research perspective.

REGISTRATION FEE

No registrations fee will be collected from the participants.

CERTIFICATE

The digital certificates shall be issued to the participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test.

ORGANISING COMMITTEE

Patron

- Dr. N V S N Sarma, Director ,IIIT Tiruchirappalli

Coordinator(s)

- Dr. R. Dhanalakshmi, Associate Professor & Head,
Department of CSE, IIIT Tiruchirappalli,
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- Dr. G. Seetharaman, Associate Professor & Head,
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AICTE Training and Learning (ATAL) Academy



Sponsored

Online Faculty Development Programme

On

**Challenges and Opportunities in Data Science -
A Research Perspective**

14.12.2020 to 18.12.2020



Department of CSE & ECE

Indian Institute of Information Technology Tiruchirappalli

(Oxford Engineering College Campus)

Tiruchirappalli- 620009.

www.iiitt.ac.in

ABOUT THE COLLEGE

The Indian Institute of Information Technology Tiruchirappalli (IIIT) was established in the year 2013-14 as the Institute with National Importance under Public Private Partnership Mode by Ministry of Human Resource Development (MHRD), Govt. of India. The Stakeholders of IIIT are Central Govt. of India, State Govt. of Tamil Nadu, and Industry partners, viz., TCS, CTS, Infosys, Ramco Systems, ELCOT, and Navitas. The main objective of IIIT is to impart world class education in Engineering and Technology to conduct research in the relevant fields, and to further advance learning and dissemination of knowledge. The Institute has been conferred with autonomy in financial and administrative matters to achieve rapid development.

A major objective in establishing IIIT is to set up a model of education which can produce best-in-class human resources in IT and can harness the multidimensional facets of IT in various domains. While the number of students produced would be small, the impact they create would be great. IIIT Tiruchirappalli is operating in the temporary campus within the premises of Oxford Engineering College campus, Tiruchirappalli 620 009, Tamil Nadu from mid-July 2020.

ABOUT THE FACULTY DEVELOPMENT PROGRAMME

The primary objective of the Online Faculty Development Programme is to understand the insights of Data Science. The course contents are designed in such a way that participants can experiment the recent Tools and Techniques used in Data Science. It is also planned to have the practice sessions that help the participants in realizing the various techniques used in Machine Learning & Data Analytics. The program also motivates research ideas with practical applications in this field of research.

REGISTRATION

The interested candidates are required to register for the FDP through following link on or before the last date <https://www.aicte-india.org/atal>
The number of participants is limited to 200 and will be selected based on first come first serve basis and prerequisite needed. **For any clarification, the FDP coordinators can be contacted.**

SCHEDULED DATES

Last date for receipt of Registration form : **10.12.2020**
Confirmation to the participants through email : **12.12.2020**

COURSE MODULES

- Overview of Data Science
- Introduction to Python Programming
- Basics of Machine Learning
- Probability and Statistics for Data Science
- Research Challenges and Opportunities

Hands on session:

- Python Programming
- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning
- Deep Reinforcement Learning
- Predictive Analytics
- Data Visualization