

COURSE CONTENTS

- Introduction to Data Science
- Python for Data Science
- Mathematical Foundation for Data Science
- Data Mining , Supervised and Unsupervised Learning
- Data Science using Rapid Miner and Python
- Machine Learning & Metrics for Data Analytics
- Predictive Analytics
- Data Visualization
- Natural Language Processing and Text Analysis
- Programming Tools for Data Science
- Data Science for Social Media Analytics: Challenges and Opportunities
- Cloud Computing for Data Science
- Applications of Data Science in Various Fields and Case Studies

SCOPE OF THE ONLINE FDP PROGRAMME

Data science is a multi-disciplinary field that uses scientific methods, processes, algorithms, and systems to extract knowledge and insights from structured and unstructured data.

Identifying opportunities, creating better business visions and making effective decisions are some of the best applications of data science. This is why professionals who can analyze and derive insights from information have become more vital than ever today.

The range of data science in India involves organizations in banking, healthcare, biotechnology, e-commerce, energy, pharmaceuticals, tele communications, and the automotive industries.

ELIGIBILITY

The Programme is open to the Faculty of AICTE approved Institutions, Research Scholars, PG Scholars, Participants from Government and Industry interested in the field of Data Sciences.

REGISTRATION

- Only Online Registration for the online FDP.
- No Registration Fee.

<https://atalacademy.aicte-india.org/signup>

CERTIFICATION

The Certificates shall be issued by AICTE Training and Learning (ATAL) academy to those participants who have attended the program with minimum 80% attendance and scored minimum 60% marks in the test conducted at the end of the online FDP.

IMPORTANT DATES

Course Duration : 02.11.2020 –06.11.2020
Last date (Online Registration) : 24.10.2020
Selection list by E-Mail : 28.10.2020

COORDINATOR

Dr.K.Murugan,

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AICTE Training and Learning (ATAL) Academy



Online Five Days Faculty Development
Programme (FDP)

On

Data Sciences

(02nd - 06th November 2020)

Patron

Dr.R.Murugesan,

Principal, IRTT.

Convener

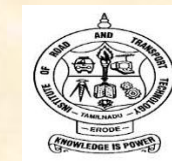
Dr.M.Mohammadha Hussaini,

Professor and Head /EEE, IRTT.

Coordinator

Dr.K.Murugan,

Assistant Professor / EEE.



Organized by

Department of EEE

Institute of Road and Transport Technology,
Erode – 638 316.

(Run by Tamil Nadu State Transport Undertakings)

Affiliated to Anna University, Chennai.

Website: www.irtttech.ac.in.

ABOUT THE INSTITUTION

The Institute Of Road and Transport Technology (IRTT) was established in the year 1984. It is run by All Transport Corporations of Government of Tamil Nadu. The Institute is located in a sprawling lush green campus of 350 acres. It provides a congenial atmosphere for Technical Education. The Institute has excellent infrastructure, well-equipped laboratories, library and highly qualified faculty members. The Institute is well known for its technical excellence, modern facilities, good performance track record and resourcefulness.

ATAL Academy

AICTE Training and Learning (ATAL) Academy is established with the vision "To empower faculty to achieve goals of Higher Education such as access, equity and quality". AICTE is committed for development of quality technical education in the country by initiating various schemes launched by Govt. of India, Ministry of Human Resource Development. Council understand that there is a need of the day to train the young generation in skill sector and having faculty & technicians to be trained in their respective disciplines. Training is required for increasing the knowledge and skills of faculties and students to make them more employable to acquire global competencies.

ABOUT THE DEPARTMENT

In the e-world the role of Electrical & Electronics engineers has come into sharp focus. In fact the advances made in the field have redefined the way we live and work. To cope with the rapid changes, modern day engineers need to constantly program themselves to stay relevant and updated. At IRT Tech, E&E engineers keep themselves wired to the world by attending seminars and by conducting mini projects. They also become members of the IEEE to keep themselves abreast with the latest in the field. As part of the curriculum our engineers are trained in software like C, C++, Java, Assembly Language Programming, Microprocessors, Micro controllers and Networking.

RESOURCE PERSON

Resource Persons from Government Organizations, IITs, NITs, and Industry with rich experience in Teaching, Research and Laboratory development will be handling the sessions.

ORGANIZING COMMITTEE

Dr.B.Baby Priya, ASP/EEE,IRTT.

Dr.A.Vetrivel, ASP/EEE, IRTT.

Dr.S.Dhanapal,AP (Sr.) /EEE, IRTT.

INSTRUCTION

- There is No Registration Fee.
- Not more than 30% of the participants from Host Institution.
- Participant will be selected on first come first basis.
- Total number of participants for the program is 200.
- Only online Registration.

FOR ANY TECHNICAL CLARIFICATIONS.

Please contact:

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