

Course Contents

- Introduction to Data Science and Its Importance.
- Data Acquisition and Data Science Life Cycle.
- Big Data Fundamentals.
- Machine Learning and Information Retrieval Techniques.
- Data Scientist Roles and Responsibilities.
- Applications of Data Science in various fields.
- Data Summary and Visualization Techniques.
- Data Science for Network Analysis and Recommended systems.
- Working on Data Mining, Data Structures and Data Manipulation.
- Cloud Based Data Analysis.
- Hands-On Session using Python.

Scope of the FDP Program

Data Science provides the practice of obtaining, exploring, modeling and interpreting data. 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. The FDP is proposed to give an exposure to faculty and scholars to understand the techniques used in extracting valuable insights from vast amount of heterogeneous data using Data Science techniques. Here disciplines such as programming, statistics, mathematics, machine learning, data analysis, visualization and big data are explored. This course may 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.

Eligibility

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

Registration

Only online Registration for the Course.
No Registration Fee.

Online Registration Link:

<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

Last date (Online Registration): **20-08-2020**

Selected Participants will be notified by email

Contact Details

Sri Gautam Pal

Assistant Professor & FDP Coordinator
Computer Science & Engineering Department
Mobile: +91-9436457131
Email: gautamtit2008@gmail.com

AICTE Training and Learning (ATAL) Academy



One Week Faculty Development Program (Online)

On

DATA SCIENCES

24th - 28th August 2020



Organized by

Department of Computer Science & Engineering
Tripura Institute of Technology
Narsingarh, Agartala Tripura-799009
Website: www.titagartala.ac.in

About the Institute



The Institute started in the year 1958 with Diploma in three branches of Civil, Electrical and Mechanical Engineering, affiliated to WBSCTE. Later, Electronics & Tele-Communication Engineering branch started in the year 1995. MHRD, Govt. of India extended assistance through World Bank under Tech. Ed.-III Project for the growth of this during the period from 2001 to 2007 resulting into the opening up more new branches such as Computer Science & Technology, Food Processing Technology, Automobile Engineering, Architectural Assistantship. Considering the huge infrastructural development, Govt. of Tripura decided to upgrade the Institute into a Degree level Engineering College with provision of both Degree and Diploma Engineering programs in the year 2007. The Degree Module with Civil Engineering, Mechanical Engineering, Electronics & Communication Engineering and Computer Science & Engineering started its journey in the same year. Later in the year 2010, the fifth program i.e. Degree in Electrical Engineering is added to the Institute. The Institute is adjacent to Agartala Aerodrome and about 13 km away from the capital city. Agartala Railway Station is about 20 Kms away from this Institute. This Institute is adjacent to India-Bangladesh International Border. The Institute campus has road, air and railway connectivity with the rest of the country.

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

The Department of Computer Science & Engineering started its Degree Program from 2007. This Department is AICTE approved and Accredited by NBA for the Academic year 2019-2020, 2020-2021. The Department currently offers B.Tech. Degree in Computer Science & Engineering and Diploma in Computer Science & Technology. In the coming Session CSE Department will start M.Tech. Course in Data Science Specialization. The Department has several well-equipped laboratories for the regular course as well as for research.

Resource Persons

Speakers are invited from IIT, NIT, Central University, Industry, Reputed Universities, Research Labs and Startups etc.

Organizing Committee

Chairman

Prof. Sekhar Datta
Principal, TIT Agartala

Convener



Dr. Jhunu Debbarma
Associate Professor & HOD, CSE Department.

Coordinator



Sri Gautam Pal

Assistant Professor, CSE Department

Members

Dr. Ankur Biswas, Asst. Prof., CSE Dept.

Dr. Shimal Das, Asst. Prof., CSE Dept.

Smt. Sudeshna Das, Asst. Prof., CSE Dept.

Sri Bibhash Roy, Asst. Prof., CSE Dept.

Sri. Sanjoy Mitra, Asst. Prof., CSE Dept

Sri. Pankaj Debbarma, Asst. Prof., CSE Dept.

Sri. Shibsankar Nath, Asst. Prof., CSE Dept.

Sri. Tamar Das, Asst. Prof., CSE Dept.

Smt. Amrita Saha Asst. Prof., CSE Dept.

Sri. Nijer Bandhu Molsom, Sr. Instructor, CSE