



### Registration Detail

Participants can create their login through AICTE-ATAL web portal and register for this FDP.

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



The application in the prescribed format duly sponsored by the Head of the Institution should reach the Convener of the FDP on or before 1<sup>st</sup> October 2021.

### Contact

The Coordinator,  
Department of ECE,  
B S Abdur Rahman Crescent Institute of  
Science & Technology,  
Vandalur, Chennai-48. Tamil Nadu

+91 44 22759328 Ext: 238  
hodece@crescent.education

### Patron

Dr. A. Peer Mohamed, Vice Chancellor  
Dr. A. Azad, Registrar

### Convener

Dr. D. Najumnissa Jamal, Dean (SECS)  
Dr. C. Tharini, HOD (ECE)

### Coordinator

Ms. G. Anuradha, AP(SG)/ECE  
Ms. M. Padma Usha, AP(SG)/ECE  
Ms. S. Syed Rafiammal, AP(SG)/ECE

### Eligibility

The FDP is open to all the faculty members of AICTE approved academic institution, Scientist, Researchers and participants from Industries.



## AICTE - ATAL Sponsored



## FIVE DAYS FACULTY DEVELOPMENT PROGRAM ON ARTIFICIAL INTELLIGENCE APPLICATIONS IN MEDICAL DIAGNOSIS 4<sup>th</sup> - 8<sup>th</sup> October 2021



organized by  
**Department of Electronics and  
Communication Engineering**



B.S. Abdur Rahman  
**Crescent**  
Institute of Science & Technology  
Deemed to be University u/s 3 of the UGC Act, 1956



## About the Institute

B S Abdur Rahman Crescent Institute of Science & Technology is a renowned quality leadership institution located at the greenest spot in Chennai near Tambaram. Through its long history of 37 years of excellence, the institution has offered access to a wide range of academic opportunities. With all 55 programs, grouped under 12 different schools, 30 UG programmes, 25 PG programmes and Ph.D (in all departments), the institution is a rising stalwart in higher education with promising quality, security and placement. The institution is accredited with NAAC A+.

## About the Department

The Electronics & Communication Engineering Department started in the year 1994, is accredited by NBA and has well qualified and experienced faculty members, specialized in various fields of Electronics & Communication Engineering. It has well equipped Laboratories with industry standard hardware and software tools. The department offers B.Tech programme in Electronics and Communication Engineering, M.Tech Programs in VLSI & Embedded Systems and Ph.D Programme

## Topics Covered

Artificial intelligence in Medical Diagnosis

Artificial intelligence for clinical decision making  
–Opportunities and challenges

Implementation of detection algorithms using MATLAB Deep learning tool box & Developing new AI algorithms using Open source software used for disease diagnosis

Applications of Artificial intelligence in cardiopulmonary diagnosis, Cancer Diagnosis, Epilepsy and Alzheimer's diseases and to manage obesity problems.

Ethical issues of AI in Health care

Implementation of image processing AI algorithms using Open CV software

Data analytics tools and techniques for diagnosis  
Artificial Intelligence With Terahertz technology for disease diagnostics

Use of IoT, Cloud data Analytics for Hospital monitoring

Stress relieving techniques using Yoga

## Resource Persons

Resource persons from IITs, NITs & other Eminent Institutions and from reputed R&D organizations

## About the FDP

Artificial Intelligence (AI) algorithms can be applied to diagnosis process, treatment protocol development, drug development, personalized health care for patients. AI will play a vital role to identify patterns in patients symptoms and it will improve the diagnosis, also prevent diseases. AI algorithms can play a vital role in diagnosis of rare genetic diseases. This workshop will pave way to understand the basics of AI and Deep learning algorithms and how this can be applied to medical diagnostics. This workshop also provide sessions on research carried currently using AI in various medical fields. Hence the participants of the workshop can have additional knowledge of AI and its application in various medical field for treatment, diagnostics.

