

# Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

(An Autonomous Institution, Affiliated to VTU, Belgaum, Approved by AICTE,  
Aided by Govt. of Karnataka, Accredited by NAAC with 'A' Grade)  
Near Jnana Bharathi Campus, Mallathalli, Bangalore-560056



**AICTE Training And Learning (ATAL) Academy Sponsored  
5 days Faculty Development Program (FDP)**

on

***“Machine Learning using Python”  
(Artificial Intelligence)***



*Organized By*

**Department of Electronics & Telecommunication Engineering**

**Register Now**

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

or

**Scan this QR code for registration**

*Coordinator*

**Dr. Prashanth C R, Professor, ETE.  
Coordinator (AICTE-FDP)**



**4th – 8th**

**January 2021**

*Co-coordinators:*

**Dr. Aravinda H L | Mob: 9449028712**

**Mrs. Usharani M A | Mob: 9945702639**

**Mr. Praveen K B | Mob: 9740744442**

**Mrs. Sowmya M | Mob: 9538801074**



## About the Institute

Dr. Ambedkar Institute of Technology (Dr AIT) was established in the year 1980 by Panchajanya Vidya Peeta Welfare Trust (PVPWT) Bangalore. PVPWT is founded by Late Sri. M. H. Jayaprakash Narayan. The Institution was started with Three AICTE approved undergraduate (UG) programmes in Departments of Civil Engineering, Mechanical Engineering and Electrical and Electronics Engineering (EEE). Later UG programmes in Electronics and Communication Engineering, Industrial Engineering and Management, Instrumentation Technology, Computer Science and Engineering, Telecommunication Engineering, Information Science and Engineering and Medical Electronics, were also inducted. In addition, the institution currently also holds 14 research centers recognized by Visvesvaraya Technological University (VTU), Belagavi. The college has grown manifold with a total student intake of 1285 pursuing courses in ten undergraduate, ten postgraduate programmes (PG) of engineering including MBA, MCA and MSc (Engg.) by research/Doctoral Programmes. The Institution is aided by Government of Karnataka, approved by All India Council for Technical Education (AICTE), New Delhi and is affiliated to VTU, Belagavi. The most of the programmes are accredited by National Board of Accreditation (NBA) and institution is accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade. The college was granted with Autonomous Status by UGC during 2007 and the college implemented the same during 2010-11 academic year.

## About the Department

The department of Telecommunication Engineering was established in the year 1991. The department offers UG program in Telecommunication Engineering, M Tech in Digital Communication & Networking, M Sc (Engineering) and Ph.D program by research. The UG program is under autonomous scheme under Visvesvaraya Technological University since 2010 and PG program M. Tech in Digital Communication and Networking obtained autonomous during 2016. The department Research & Development centre is recognised by Visvesvaraya Technological University. Currently, the department is working on AICTE and VGST sponsored projects. The department is having well qualified, experienced and doctorate faculty members. The department laboratories are equipped with the state of the art equipments and software tools. The UG programme has got accredited by NBA from 2016 to 2019 and extended from 2019 to 2022. The PG programme has got accredited by NBA from 2017 to 2019 and is expecting NBA visit for one more year extension.

### Chief Patron:

1. **Sri. S Mariswamy**, Chairman,  
P.V.P Welfare Trust, Bangalore.

### Patrons:

1. **Sri Dr. M Mahadeva**, Hon. Secretary,  
P.V.P Welfare Trust, Bangalore.
2. **Sri. S. Shivamallu**, Treasurer,  
P.V.P Welfare Trust, Bangalore.
3. **Sri. A.R. Krishnamurthy**, Trustee,  
P.V.P Welfare Trust, Bangalore.
4. **Sri. P.L. Nanjundaswamy**, Trustee,  
P.V.P Welfare Trust, Bangalore.
5. **Sri. Dr. B N Umesh**, Trustee,  
P.V.P Welfare Trust, Bangalore.

### Advisory Committee:

1. **Dr. C. Nanjundaswamy**, Principal, Dr A.I.T.
2. **Dr. Rathna G N**, Dept. of EEE, IISc, Bangalore.
3. **Dr. Siddaraju**, Dean (A), Dr.AIT.
4. **Dr. G Rajendra**, Dean (E), Dr. AIT.
5. **Dr. Yamuna Devi C R**, Head, Dept of ETE, Dr.AIT.
6. **Dr. Prashanth K Wali**, BITS PILANI, Hyderabad

## How to apply:

Please note that registration of participants will be done through a single webpage <https://www.aicte-india.org/atal>  
Maximum of 200 participants will be short listed for participation.

## Address for correspondence:

**Dr. Prashanth C R**,  
Co-ordinator, ATAL-FDP  
Professor, dept. of ETE,  
Dr. Ambedkar Institute of Technology,  
BDA Outer Ring Road, Bangalore 560056. Karnataka.  
Mobile: 9448200979  
Email: prashanthcr.ujjani@gmail.com

## Objective of the program

The aim of this programme is to introduce the participants to the amazing world of Artificial Intelligence (AI) based on Machine Learning and its applications. AI is the concept of making devices and objects smarter by linking them to the internet. This technology frontier with immense engineering applications is the need for today's industry and academia. This FDP serves as a platform to train and educate the faculty members, and research scholars to interact on cutting edge technologies in this emerging area.

## Major Course Contents:

Introduction to Machine Learning, Current trends, Classification problems, Neural Networks and clustering algorithms are covered.

- Introduction Machine Learning.
- Regression problems.
- Classification problems.
- Neural Networks.
- Clustering Algorithms

Hands-on training sessions will be provided with demos on real-time applications.

NOTE:

1. A test will be conducted by the coordinator at the end of the program.
2. The certificates will be issued to those participants who have attended the program with minimum 80% of attendance and scored minimum 60% marks in the test.

## Target Audience:

Faculty members working in AICTE recognized Institutions, University Departments, and Research scholars.

## Course and conduction Hours.

This course is for total duration of 5 days (one Week) which includes both theory and practical sessions. The FDP is handled by academicians from premier institutions, Industry experts and Research advisors.