

**AICTE & TEQIP III sponsored**



**TEQIP III**

**One Week Short Term Training  
(STTP) Programme**

*on*

**Mathematical Modeling and  
Numerical Techniques**

**(December 9 - 13, 2019)**

*Organized by*

**Dr. Babasaheb Ambedkar  
Technological University Lonere  
Maharashtra**



**Coordinators**

**Dr. Neeraj Agrawal, DBATU Lonere  
Dr. Deepak N Mudgal, AMGOI  
Kolhapur**

**Co-coordinator**

**Prof. Pravin B. Ghewari, AMGOI  
Kolhapur**

**Venue**

**Ashokrao Mane Group of  
Institutions, Vadgaon, Kolhapur (MS)**

**Patron**

**Professor V. R. Sastry  
Vice-Chancellor  
Dr. Babasaheb Ambedkar Technological  
University Maharashtra  
[www.dbatu.ac.in](http://www.dbatu.ac.in)**

## **Introduction**

In recent years there has been a growing emphasis on the design and optimization of system because of increasing worldwide competition and the development of new processes and techniques. Modeling is one of the most crucial elements in the design and optimization of thermal systems. However, despite its importance, very little attention is given to modeling. This Faculty Development Program (FDP) aims to provide a platform to learn, understand and feel the mathematical modeling and solution techniques. Some of the topics that will be covered in the FDP are:

- Importance of Mathematical modeling
- Uncertainty and error analysis
- Thermal system modelling
- Modeling in Engineering Applications
- System simulations
- Optimizations of Thermal systems
- Application of NM in Engineering Applications

Various experts from different academic institutes of repute will deliver expert talks.

## **About the University**

Dr. Babashaeb Ambedkar Technological University is a statutory Maharashtra State Technical University. The University has been accorded the status of an affiliating University of the entire state of Maharashtra from March 2, 2016 by the Maharashtra Act No. XXIX of 2014.

Situated in the vicinity of the famous Raigad fort and surrounded by the hills of Sahyadri range, the 470 terrain of the University campus has all the natural beauty of Konkan. The University is located on Mumbai Goa National Highway No. 66. It is 150 km south of Mumbai, 20 Km north of Mahad and 120 km from Pune. It is well connected by Konkan railway and nearest railway station is Mangoan which is 10 km from University campus.

## **Eligibility and Selection Criteria**

Faculty members from AICTE / UGC approved Degree/Diploma engineering colleges and industry personnel are eligible to participate. The number of participants is limited to forty and selection will be done on first-cum-first-serve basis.

## **Dead Lines and Registration**

- **Interested Faculty and Industry personnel may register on or before 30<sup>th</sup> November 2019 using the Google form [link https://forms.gle/x5yACPa34uWN55C96](https://forms.gle/x5yACPa34uWN55C96)**
- **Outstation participants will be paid Travel Fare from the shortest route as per AICTE norms**
- **Hostel accommodation will be provided (depends on the availability) of the out station participants**

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**Dr. Babasaheb Ambedkar Technological University Maharashtra**

**Application form for AICTE & TEQIP III One week Short Term Training Programme  
(STTP)**

**on**

**Mathematical Modeling and Numerical Techniques**

**(09 – 13 December, 2019)**

- i. Name in full:
- ii. Gender:
- iii. Date of Birth:
- iv. Designation:
- v. Institution and University:
- vi. Highest Educational Qualification:
- vii. Experience:
- viii. Address for correspondence with email ID, alternate email ID, Mobile and Phone No.:

**Declaration:**

The information provided above is true to the best of my knowledge. If selected, I agree to abide by the rules and regulations of the course and shall attend the course for the entire duration. If selected, I also undertake to inform the Coordinators in case I am unable to attend the course.

Place:

Date:

**Signature of applicant**

**Sponsorship Certificate**

This is to certify that Dr./ Mr./ Mrs./ Ms. \_\_\_\_\_ is an employee of this Institute and is hereby sponsored to participate in the AICTE & TEQIP III **Short Term Training Programme (STTP) on Mathematical Modeling and Numerical Techniques** scheduled during 9 – 13 December 2019 at **Ashokrao Mane Group of Institutions, Vathar tarf Vadgaon, Kolhapur (MS) affiliated to Dr. BATU Lonere.**

Place:

Date:

**Signature of Head of Institution  
(With seal)**