

# Dr. Babasaheb Ambedkar Technological University, Lonere

AICTE Sponsored One-week STTP on  
**Rock Excavation Technology**  
(March 27 - 31, 2020)

## Application form

1. Name in full: .....
2. Date of birth: .....
3. Designation: .....
4. Institution: .....
5. Whether the Institution is AICTE/UGC recognized: YES/NO
6. Highest Educational Qualification: .....
7. Experience in Years: Teaching/Research/ Industry: .....
8. Subjects Taught over last three years: .....
9. Demand Draft details: .....
10. Address for correspondence: .....

E-mail 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. I also undertake to inform the Coordinators in case I am unable to attend the course, if selected.

Place: .....

Date: .....

Signature of Applicant

## Sponsorship Certificate

Mr./Ms. .... is an employee of this Institute and is hereby sponsored to participate in the One-week FDP on **Rock Excavation Technology**.

Place: .....

Date: .....

(Name and Signature of Head of Institution with seal)

Please send completed application forms (with DD as detailed) to the coordinator on or before 20<sup>th</sup> March, 2020.

Department of Civil Engineering

Dr. Babasaheb Ambedkar Technological University, Lonere – 402 103, Dist. Raigad, M.S.

Mobile: 9422353352, 9423936380

e-mail: [srbhagat@dbatu.ac.in](mailto:srbhagat@dbatu.ac.in); [smpore@dbatu.ac.in](mailto:smpore@dbatu.ac.in)

**Registration Link** – <https://forms.gle/5LRKrGjDLhhCrskR8>



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Dr. Babasaheb Ambedkar  
Technological University,  
Lonere

## Coordinators

**Dr. S.M. Pore**

Associate Professor  
Dept. of Civil Engineering

**Dr. S.R. Bhagat**

Associate Professor & Head  
Dept. of Civil Engineering

## Patron

**Prof. Vedala Rama Sastry**

Hon'ble Vice-Chancellor

**Dr. Babasaheb Ambedkar Technological University**  
Lonere

## Introduction

Requirement of underground excavations in hard rock has become essential for growing infrastructure industry. Excavations in hard rock require controlled blasting. The information and knowledge in this fields are limited with a very few expertise in it. In metro cities for various applications such as water supply lines, sewage disposal lines, Metro railways etc. the excavations and blasting operations has to be done beneath the existing structures. Therefore, it is necessary to know the Engineers about the methods, procedures, precautions, limitations of such underground excavations and controlled blasting for structures.

## Course Content

- Fundamentals of Blasting (Various ways to do Blasting)
- Conventional Blasting Techniques
- Controlled Blasting
- Geotechnical Investigations for Tunnels and Underground Excavations
- Indian Standard Codes on Tunnels & Underground Excavations
- Treatment of Cavities during construction of Twin Tunnels
- Assessment of Rock Mass of Escape Tunnel
- Application of Numerical Modeling to Geotechnical Problems

## Objectives

The training programme aims to provide basic and advanced knowledge of Rock Excavation Technology.

## Experts

The course content will be delivered by the subject experts from the reputed research organizations like IIT, NIT, NIRM, CIMFR and DBATU Lonere.

## Lodging/Boarding

Participants will be provided shared accommodation on request in the University Guest House Anandvan/hostels based on availability.

For more details contact No:

1.Mr. G. A. Suryawanshi: + 91 - 9405562438

2.Ms. A. A. Darge: + 91 - 7507146700

## About the University

Dr. Babasaheb Ambedkar Technological University, with its headquarters situated at Lonere, is now a statutory State Technical University established by Government of Maharashtra through special act known as Dr. Babasaheb Ambedkar Technological University Act. 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. A total of 180 colleges offering Engineering and Technology, Pharmacy, Architecture, Hotel Management and Catering Technology courses from the state are affiliated to the University. The campus covers an area of 468 acres. 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 Mangaon which is 10 km from University campus.

Department of Civil Engineering was established in the year 2008 offering B Tech Programme. In 2012, Ph.D. programme was introduced. Department has received handful amount of funding from AICTE, UGC, TEQIP and State Government for various research projects. The focus of the department is to produce graduates & post graduates with strong fundamentals needed for application-oriented professionals. The department regularly organizes workshops, training, seminars, expert lectures and conference in the emerging areas technology.

## Eligibility and Selection Criteria

Faculty members / Research Scholars from AICTE approved Engineering Degree/Diploma colleges; Industry; State/Central Government organizations/Research laboratories, etc 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

Google form link - <https://forms.gle/5LRKrGjDLhhCrskR8>

**Last date of Registration-20<sup>th</sup>March 2020**

Outstation participants will be paid Travel Fare from the shortest route as per AICTE norms. The participants are requested to give AADHAAR & PAN Number. Intimation about acceptance of registration for the course will be communicated to the participants by mail.

## Course Fees

Rs. 5000/- for Industry participants, Rs. 1000/- for Faculty & Rs. 500/- for Research Scholar(refundable after completion of STTP to Faculty & Research Scholars only)

**The registration fee shall be remitted by a crossed Demand Draft drawn in favour of "The Registrar, Dr. Babasaheb Ambedkar Technological University Lonere" payable at SBI Mangaon.**