

## ORGANIZING COMMITTEE

Chief Patron : **Dr. RM. Kathiresan**  
Vice-Chancellor  
Annamalai University

Patron : **Dr. R. Singaravel**  
Registrar i/c  
Annamalai University

Vice-Patron : **Dr. C. Karthikeyan**  
Dean  
Faculty of Engineering and Technology  
Annamalai University

Convener : **Dr. C.G. Saravanan**  
Director  
Mining Engineering Programme  
Annamalai University

## IMPORTANT DATES

Last date for Registration : 15.12.2023  
Selection Notification : 20.12.2023

## LOCATION

Annamalai University is located near Chidambaram town which is well connected by Road and Rail. It is 200 km south of Chennai, 70 km south of Pondicherry and 150 km north of Tiruchirappalli.

## ADDRESS FOR CORRESPONDENCE

**Dr. S. Manikandan**

Professor of Mechanical Engineering

**Dr. S. Sathian**

Associate Professor of Chemical Engineering

Mining Engineering Programme  
Faculty of Engineering and Technology  
Annamalai University  
Annamalainagar - 608 002.  
Chidambaram

Phone: 04144-237055, Mobile: 79043 99628

Email: [dimefdp2023@gmail.com](mailto:dimefdp2023@gmail.com)

## REGISTRATION FORM

No Registration fee

NLCIL Sponsored **FACULTY DEVELOPMENT PROGRAMME** on

**“Recent Technological Development in Mines and Power Plants”**

**26 - 31 December 2023**

1. Name : .....
  2. Qualification : .....
  3. Designation : .....
  4. Gender : M/F
  5. Department: .....
  6. Organization: .....
  7. Mailing Address: .....
  - .....
  - .....
- Mobile (whatsapp): .....
- E-mail: .....

Date: \_\_\_\_\_ Signature of Participant

The application of the above candidate is forwarded.  
If selected, he/she will be relieved to attend the course

Signature of the Forwarding Authority with Seal

## ANNAMALAI UNIVERSITY

(Accredited with “A+” Grade by NAAC)  
Annamalainagar - 608 002.



**NLCIL (CSR) Sponsored**

**FACULTY DEVELOPMENT PROGRAMME**

on

**Recent Technological Development in Mines and Power Plants**

**26 - 31 December 2023**

Coordinators

**Dr. S. Manikandan**

**Dr. S. Sathian**

*Organized by*

**Mining Engineering Programme  
Faculty of Engineering and Technology  
Annamalai University,  
Annamalainagar - 608 002  
Chidambaram**



## About the University

Annamalai University a NAAC "A+" graded institute, is one of India's largest public residential universities with 10 faculties and 49 departments of study located at Chidambaram: The Abode of the Cosmic Dancer Lord Nataraja. The university spreads around 1000 acres with several innovative teaching programmes carried over the years.

In the early 1920s, to serve the downtrodden and to promote Tamil Literature, Rajah Sir S.R.M. Annamalai Chettiar founded Sri Minakshi College, Sri Minakshi Tamil College and Sri Minakshi Sanskrit College in a rural setup at Chidambaram. In 1928, Rajah Sir S.R.M. Annamalai Chettiar agreed with the local Government to handover the above said institution for establishing a University. The university lies within an appreciable rank band under each specializations. Among the 49 departments 10 departments have attained the status of UGC-SAP and DST-FIST sponsored department.

## About the Faculty

The Faculty of Engineering and Technology (FEAT) was established in the year 1945, as the Second Engineering College of the then composite Madras State. The FEAT proudly celebrated its Golden Jubilee in the year 1996 and Diamond Jubilee in the year 2005. The FEAT has eleven departments of study namely Chemical Engineering, Civil Engineering, Civil and Structural Engineering, Computer Science and Engineering, Electrical Engineering, Electronics and Communication Engineering, Electronics and Instrumentation Engineering, Information Technology, Mechanical Engineering, Manufacturing Engineering and Pharmacy.

## About the Mining Engineering Programme

NLCIL in association with Faculty of Engineering and Technology, Annamalai University is offering a Diploma in Mining Engineering Programme from 2016 onwards. An MoU was signed between the University

and NLCIL to support the programme. As per the MoU a sum of 5.62 Crores was sanctioned by NLCIL for the construction of Mining Engineering Block and has also provided funds for developing laboratories and classrooms. The Programme is approved by AICTE for an intake of 60 students, 30 are selected on merit basis. The remaining 30 students are allotted to project affected students (PAP) filled by NLCIL. The mining premises is well equipped with various laboratories like Mining Machinery Lab, Mining Hazard and Safety Lab, Environmental Lab, Mine Survey Lab, Advanced Computer Lab and Mining Research Lab consisting advanced equipments like Thermogravimetric Analyzer (TGA), CHNS Analyzer, UV/VIS Spectro Photo meter, Isoperibol Automatic Bomb Calorimeter, GC/MS and FTIR to carry out research projects in the fields of Plastic Oils/Fuel Characterization, Composite Materials and Quantitative and Qualitative analysis of all solids and liquids.

The department comprises a blend of well experienced and dedicated faculty members from Civil, Mechanical, Civil & Structural, Chemical and Manufacturing Engineering specializations to conduct the programme.

## FDP Speakers

The resource persons for the programme shall include faculty members and renowned researchers from higher education & research institutions and Engineers from industries.

## Who Can apply?

Faculty members from AICTE approved institutions, Research Scholars, PG Scholars, Officials from Government Departments, Industry, Research Institutes and staff of the Host Institute.

## About The FDP

Today's world demands a rapid advancement in Mining and Power Generation Techniques. Mining Process has grown significantly using the techniques

like illumination, ventilation, Survey, Carbon Handling, and Excavation. In particular excavation process has witnessed a leap advancement with the application of Image Processing and other state of the art technologies in excavating noble metals and fossil fuels. The excavated fossil fuels are widely used in Power Plants and is also effectively converted into Methanol using Gasification Technique. The FDP will help in acquiring knowledge in the fields of Exploration, Geological Surveys, Feasibility Reports, Unique Mining Operations like drilling, blasting, loading & transportation, stabilizing techniques, corrosive behaviors of specialized mining equipment, environmental impact assessment and safety aspects.

The FDP ensures the participating faculty members and researchers a sound theoretical and practical knowledge about the recent advancements and its application in mining process and power plant operation.

## FDP Contents

- Mine Ventilation
- Excavation Techniques
- Hazardous Earth Process
- Corrosion Behavior
- Advanced Mine Surveying
- Environmental Clearance
- Safety Aspects
- Carbon Capture and Storage
- Gasification and Methanol Synthesis
- Pollution Control Techniques
- Noble Metals and its Application
- Explosives