

REGISTRATION FORM

National Institute of Technology Karnataka,
Surathkal Srinivasnagar, Mangaluru 575025, India.
Online FDP on Planning of Surface Mining Projects
(PSMP-2021) 23rd - 27th August, 2021.

Name.....
Designation.....
Organisation:.....
Mailing Address.....
PIN:.....Telephone:
Mobile:.....
Email:

DECLARATION BY THE PARTICIPANT

The information furnished above is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the programme for the entire duration. I also undertake the responsibility to inform the Coordinator(s) sufficiently in advance, in case I am unable to attend the programme.

Date:
Signature of Applicant

Place: NITK Surathkal
Date: 1/3/2021

Online Faculty Development Program (FDP) on PLANNING OF SURFACE MINING PROJECTS (PSMP-2021), 23rd - 27th August, 2021 Sponsored by AICTE



Patron

Prof. Karanam Umamaheshwar Rao
Director
National Institute of Technology Karnataka, Surathkal



Organized by

Department of Mining Engineering
National Institute of Technology Karnataka Surathkal,
Srinivasnagar P.O., Mangaluru-575 025
www.nitk.ac.in

IMPORTANT DATES

Last date for receipt of application:
31st July, 2021 Intimation of selection
(via an e-mail): 6th Aug, 2021

FDP VENUE

E-FDP: MS Teams

CONTACT INFORMATION OF CO-ORDINATOR

Dr. S.K Reddy
Assistant Professor
Department of Mining Engineering
NITK Surathkal, PO Srinivasnagar
Mangaluru-575025

Email ID: psmpnitk2021@gmail.com

NITK SURATHKAL

Since its inception in 1960, the National Institute of Technology Karnataka (NITK), Surathkal has established itself as a premier Institution engaged in imparting quality technological education and providing support to research and development activities. NITK has conferred the status of an Institution of National Importance vide NIT Act No.29 of 2007 by Govt. of India and is consistently ranked as one of the top ten technical institutions in India. Presently, NITK offers 9 Bachelors, 28 Masters and Doctoral Degree programs. The institute is located 22 kilometers north of Mangalore City along the Kanyakumari-Mumbai National Highway-66, amid 300 acres of sylvan surrounding with the picturesque Western Ghats on the east and sun-kissed sands of the Arabian Sea to the west.

NITK is committed to enhancing the capabilities and potential of our human resources with the objective of transforming them into leaders in their chosen areas of interest. Our vision is to strive for excellence, be globally competitive in technical education and focus on knowledge assimilation, generation, and dissemination. The year-long activities during the occasion showcased the glorious contributions of NITK in various fields of its activities and projected new initiatives for the coming years.

DEPARTMENT OF MINING ENGINEERING

The Department of Mining engineering was established in the year 1984 and about 857 undergraduates passed out from the portals of Department till 2020. Several girls obtained their B.Tech Mining Degree from this Department. The Department also offers M.Tech (Research) programme in Rock Excavation Technology and Mangement and Ph.D in Mining Engineering. The Department is having high professional faculty members with Ph.D degrees backing with National and International exposure. With the mission of imparting quality education for meeting the needs of Mining Engineering Profession & Society, the Department is achieving its excellence through creative teaching- learning and research.

ABOUT THE FDP

Surface mining methods dominate the world production of minerals. Currently, almost all non-metallic minerals, most metallic minerals and a large fraction of coal are mined by surface methods. Technological developments over the years have enabled the application of surface methods to deeper and leaner deposits. Also common to all methods is the removal of the surface cover over the deposit, the changes to the original topography, the effects on soil, hydrologic conditions, environment and reclamation, the issues of mining and processing wastes, and the effect on the future economic potential of the mined areas and communities. However, the scope of the issues and the potential solutions to the issues vary widely and are often site-specific. While research and development are needed to address technical aspects associated with these issues, innovative pit designs, policies for addressing the overall problem safety during workings, environmental and ecological planning for pre-mining & post-mining development on lands with mineral resources are needed.

In the last two decades, the mining industry has seen consolidation of operating companies, growth in the size of individual operations, increase in size of equipment, and greater demands for sustainable development. These trends would continue into the future impacting both the opening of new mines and the closure of existing operations. In this view, mineral development is a means to develop the economic base through which both the present and future generations can benefit. New knowledge and technology are required to planning and operations in general, and mine planning, in particular.

ATTENDING THE FDP WILL HELP THE PARTICIPANT TO:

- Understand various aspects of planning of surface mining projects
- Familiar with geotechnical investigations & feasibility report preparation
- Understanding drilling, blasting, loading, transportation, slope stability & EIA
- Identify latest technical challenges; know research updates, and prospective breakthroughs in the field of planning of surface mining projects.

CONTENTS OF PROGRAMME

Benefits to Participants include acquiring knowledge in the under mentioned areas of planning of surface mining projects

- Exploration & Geotechnical Investigations for reserve estimation.
- Feasibility Report Preparation
- Unit mining operations (Drilling, Blasting, loading & Transportation)
- Slope Stability & Stabilising Techniques
- Environmental Impact Assessment of surface mine projects
- Case Studies of various deposits

ELIGIBILITY AND SELECTION CRITERIA

Programme is open to Faculties, Research Scholars, Field Engineers and PG students of Engineering Colleges in the Department of Mining Engineering and related Engineering and Science disciplines. Filled-in registration form in PDF should reach psmnpnitk2021@gmail.com on or before 31 July, 2021. The selected participants will be informed via an email before 6 August, 2021.

REGISTRATION

There is no registration fee for the programme. The E-certificate will be provided through registered e-mail.

RESOURCE PERSONS

Resource persons are experts from IIT's, NIT's, Regulatory Bodies & Industry.