



Engineering Staff College of India

Mining Division



3-Day Residential Professional Development Programme

“Integrated Mine Planning and Development in Opencast Mines for Assistant Managers-Under Managers”

1-3 September 2026

Introduction

As the demand for natural resources intensifies in a tough socio-economic environment with many existing feasible deposits already exploited/extracted, the focus and attention of the mining sector is placed on efficient resource management has become essential and sustainable mining practices become increasingly important. Many projects are complex and time consuming and success or failure is often determined by the degree of accuracy with which the Mining Plan, EIA-EMP, Project Report are prepared and aligned with the operation, strategy of the Mining Organizations for a successful execution of the project.

Modern Mining requires an integrated approach to Mine Planning and Development, Combining Geology, Mine Design, Production Planning, Equipment Selection, Infrastructure, Economics, Safety, Environmental Management and Digital Technologies and Execution.

The **Integrated Mine Planning and Development** Programme is designed for Mining Engineers involved in mine planning, production, operations, projects, technical services and management. The programme focuses on translating geological resources into a **safe, technically, feasible, economically viable and sustainable mining operation.**

Objectives

This to enhance the technical competence and managerial capabilities of mining professionals to meet the evolving demands of the industry. The Programme aims to strengthen participants' understanding of modern mining technologies, operational optimization, safety management, and regulatory compliance. It also seeks to develop leadership qualities, strategic decision-making skills, and effective resource management practices essential for efficient mine planning and execution. Furthermore, the Programme intends to foster a multidisciplinary outlook by integrating technical insights with managerial principles, enabling participants to drive innovation, improve productivity, and promote sustainable mining practices within their organizations.

Course Coverage

- Mining Geology.
- Formulation of Mining Plan, Environmental Impact Assessment, Environmental Management Plan
- Mining Operations & Production Management.
- Equipment Selection and Improve productivity through effective HEMM
- Fleet Optimisation.
- Safety, Health & Environmental Management.
- Safe Operations of HEMM, Electrical Equipment
- Safety Management Plan
- Introduction to Techno-Management in Mining
- Sustainable Development- Environment Conservation and Rejuvenation
- Application of AI Technology in Mining.
- Drilling & Blasting, Controlled Blasting Techniques
- Optimisation of Resources
- Slope Stability in Opencast Mines
- Mine Legislation & Management of Mines
- Geographic Information System (GIS), Remote Sensing Techniques
- Leadership & Human Resource Management

Methodology

Lectures/Presentations /Interactions

Resource Persons/Faculty

The faculty consists of experts from the industry, research establishments and academia besides in-house faculty of ESCI.

Target Participants

This programme would be useful to mine planners & managers, geologist and environment engineers, executives, faculty, government & regulatory authorities etc. in the field of mining & allied engineering.

Programme Dates & Timings

1-3 September 2026

10.00 a.m. - 5.30 p.m. each day.

Course Fee

- **Residential: INR 24,000/-** (Rupees Twenty Four Thousand only) per participant which includes course material, course kit, twin-sharing AC accommodation, breakfast, lunch, dinner, tea and snacks during the actual days of training programme.
- **Non-Residential: INR 21,000/-** (Rupees Twenty One Thousand only) which includes course material, course kit, lunch, tea and snacks during the actual days of training programme.
- *10% discount in course fee would be offered to organizations if 5 or more delegates are nominated for the programme.*

- ❑ ESCI provides complimentary boarding & lodging for the participants a day prior to the commencement of training programme and a day after the conclusion of the programme (check in & check out at 12:00 noon respectively).
- ❑ Overstay will be charged INR 1200 /day/participant.
- ❑ Spouses may be allowed to stay along with the delegates with prior intimation and on payment of nominal charges of INR 1200/day including food.

GST @18% is to be paid extra over and above the course fee. **PAN: AAATT3439Q**, **GST No: 36AAATT3439Q1ZV**, **HS No.: 999293** (under commercial training or coaching services – clause 65(105) (ZZC) of Finance act – 1994).

Course fee is to be paid in favour of **“THE I.E.(I) – ENGINEERING STAFF COLLEGE OF INDIA”** in the form of demand draft payable at Hyderabad. Alternatively the payment may be made by **Electronic Fund Transfer (EFT)** to ESCI –**SB A/c No. 33705165550** with **State Bank of India, Manikonda Branch, Door No.2-30/1, Indira Nagar, Gachibowli, Hyderabad – 500032**, our **NEFT/RTGS/IFSC Code No. SBIN0011076 – MICR No. 500002107**. *While using EFT method of payment, please ensure to communicate your company name, contact details, our invoice reference and programme title.*

Registration

To register manually, please send your nominations by providing name, designation, contact address, email address, mobile no, telephone and fax number of the participant along with the details of mode of payment of fee, addressed to: mining@escihyd.org.

Certification

A **Certificate of Participation** will be awarded to each participant on conclusion of the programme.

Contact Person

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