



भारत सरकार  
GOVERNMENT OF INDIA  
भारतीय भूवैज्ञानिक सर्वेक्षण प्रशिक्षण संस्थान  
GEOLOGICAL SURVEY OF INDIA TRAINING INSTITUTE  
शैलिकी प्रभाग / PETROLOGY DIVISION  
हैदराबाद / HYDERABAD

**प्रशिक्षण घोषणा / TRAINING ANNOUNCEMENT**

आग्नेय शैलिकी पर पुनश्चर्या पाठ्यक्रम  
**Refresher Course on Igneous Petrology**

**कार्य सत्र & मद संख्या / Field Season and Item Code:** FS 2024-2025 & M5REF/NC/TI\_RHQ/2024/50413

**पाठ्यक्रम का उद्देश्य / Aim of the Course:**

To train/refresh geoscientists in carrying out studies in igneous petrography and to introduce the recent advances for systematic study of igneous rocks.

**उद्देश्य / Objectives:**

By the end of this refresher course, the participants will be able to:

1. Identify the minerals and interpret the textures of the igneous rocks.
2. Classify the igneous rock as per IUGS Nomenclature by modal quantification through petrography
3. Generate and utilise the petrography data acquired for the better understanding about the mineral deposit and to extract the information about the magmatic processes, tectonic setting and understanding of magma generation.

**पाठ्यक्रम की अवधि / Duration of the Course:** 06 Days (From 29-04-2024 to 04-05-2024)

**प्रतिभागियों का स्तर / Level of the Participants:**

Geoscientists of the GSI, State DGMs and other exploration agencies and faculty/research scholar of academic institutions who are involved in the mapping and exploration / research activities with minimum 2-3 years of experience.

**पाठ्यक्रम क्षमता / Course Capacity:** The maximum number of participants that can be admitted to the Course is **20**.

**पाठ्यक्रम के लिए नामांकन / Nominations for The Course**

The ADG & HODs of all the Regions of GSI, and the Competent Authority of State DMGs and other Organizations are requested to kindly nominate Geoscientists for this training programme. All the participants are requested to ensure sending their nomination through the proper channel in the following format to [petrology.gsiti@gsi.gov.in](mailto:petrology.gsiti@gsi.gov.in), GSITI, Hyderabad on or before **19-04-2024**.



Name of the trainee	Designation	Employee Id.	Current place of Posting	e-mail Id	Mobile No. (WhatsApp)

**नामांकन की स्वीकृति / Acceptance of the Nominations:**

Geoscientists whose nominations are accepted by the GSITI shall be intimated through GSITI and GSI websites. No separate communication by email/post would be issued by GSITI and therefore Participants may see the website of GSITI/GSI regularly i.e. [www.gsiti.gov.in](http://www.gsiti.gov.in) and [www.gsi.gov.in](http://www.gsi.gov.in).

**पाठ्यक्रम विषयसूची / Course Content:**

- Introduction to Igneous Petrology
- Introduction to the mineralogy of Rock Forming Minerals of Igneous rocks
- Textures of the igneous rocks and its interpretation with case studies
- IUGS classification and nomenclature of igneous rocks with case studies
- Introduction to Major, trace and REE interpretation and modelling
- Magmatic Pegmatites and Classification with case studies.
- Mineral deposits associated with Magmatic processes with case studies
- Demonstration of J-Microvision Software for modal quantification of minerals.
- Hands-on practice to igneous rock forming minerals, accessory minerals and textural interpretation in igneous rocks.


**आवास / Accommodation:**

GSITI has a modest hostel facility where rooms are available on twin sharing and first-come-first-served basis. Only course participants will be permitted to stay in the hostel. Participants are requested to apply through email for hostel facility only after acceptance of their nomination.

**Contact: Dr. Srikanth D., Senior Geologist & Estate Officer**, GSITI (email id: [estate.gsiti@gsi.gov.in](mailto:estate.gsiti@gsi.gov.in) and Mobile: +91 8763570353).

**संपर्क करें / Contact person:**

श्री जे.के. अरविंद, वरिष्ठ भूवैज्ञानिक & संकाय, शैलिकी प्रभाग, जीएसआईटीआई, हैदराबाद. मो: +91 9966033200  
Shri J.K. Aravind, Senior Geologist & Faculty, Petrology Division, GSITI, Hyderabad.

  
14/3/2024

(आर विजय कुमार/ R. Vijay Kumar)

निदेशक / Director (Additional Charge)

शैलिकी प्रभाग / Petrology Division

कृते उप महानिदेशक व प्रमुख, मिशन- V / for DDG & Head, Mission-V

