Online Short-Term Program on "Graphs, Matrices and Applications"

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IIT Hyderabad

MALAVIYA MISSION TEACHER TRAINING PROGRAMME

Indian Institute of Technology Hyderabad
Dates: September 29 – October 04, 2025

Tentative topics

- Symmetric matrices, nonnegative matrices and positive definite matrices.
- Adjacency and Laplacian matrices of graphs.
- Graph algorithms.
- Semidefinite programming and Lovász theta function.
- Nodal domain theorems and related topics.
- Distance regular graphs.

Eligibility

- All in-service teachers in higher education working in universities and colleges included under Section 2(f) of the UGC Act.
- Teachers of colleges affiliated to a university for at least five years, even if not under Section 2(f).
- Faculty Members working in Institutes of National Importance & Research Scholars are also eligible.
- No Registration Fee.

Speakers

- Prof. Sasmita Barik (IIT Bhubaneswar)
- Prof. Subrahmanyam Kalyanasundram (IIT Hyderabad)
- Prof. M. Rajesh Kannan (IIT Hyderabad)
- Prof. Manjunath Krishnapur (IISc Bangalore)
- Prof. A. Satyanarayana Reddy (SNU, Delhi)
- Prof. Rakesh Venkat (IIT Hyderabad)

Registration Process

1. Visit https://mmc.ugc.ac.in/registration/Index and register yourself to the portal.
2. Go to https://mmc.ugc.ac.in. Login as Participant.
3. Click on Dashboard, then Click **Apply for Gurudakshata (Faculty Induction Program) Refresher Course and Short-Term Program/ Faculty/ Development Program**.
4. Click "Apply for" and Select "**Short Term program/Faculty/Development**".
5. Click "Program Name" and Select "**Indian Institute of Technology Hyderabad**" and then select the program to register.

Note: The STP Program is equivalent to a 1-week Short Term Program for regulation of CAS.

Important Information

- Maximum 100 seats are allowed.
- Application deadline: **30th August 2025** or maximum seats, whichever is earlier.

Contact Information

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