

About the Institution

Coimbatore Institute of Technology (CIT) started in 1956 by Sri. V. Rangasamy Naidu is reckoned for its academic excellence in Engineering and Technology. CIT is a Government Aided Autonomous Institution affiliated to Anna University, Chennai. The institute has a reputation with service of competent, well qualified faculty and dynamic management to set highest standards in Engineering research and development. CIT offers under graduate, post graduate and Ph.D. programmes with a global standard curriculum promoting the students to compete internationally. The institute has collaboration with leading frontier universities and industries in India and abroad for the promotion of innovative research and development.

About Teaching Learning Centre

Coimbatore Institute of Technology has been approved as Teaching Learning Centre (TLC) under the scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT). MHRD has sanctioned grant to establish Teaching Learning Centre in Coimbatore Institute of Technology for raising the quality of teaching through training, retraining, refresher and orientation programmes in the disciplines of Academic, Research and Management (ARM). CIT – TLC is established to improve the quality of teachers of technical education institutions in the states of Tamil Nadu, Kerala, Karnataka, Andhra Pradesh and Pondicherry.

Organizing Committee

Chief Patron

Dr. S.R.K. Prasad
Correspondent, CIT Institutions, Coimbatore

Patrons

Mr. S. Rajiv Rangasami
Director, CIT Institutions, Coimbatore

Dr. R. Prabhakar
Secretary, CIT Institutions, Coimbatore
Chairperson, CIT – TLC, Coimbatore

President

Dr. V. Selladurai
Principal, CIT, Coimbatore
Co-Chairperson, CIT – TLC, Coimbatore

Convener

Dr. V. Manikandan
Project Coordinator, CIT – TLC, Coimbatore

Coordinator

Dr. K. Shri Akiladevi
Research Officer, CIT – TLC, Coimbatore

Contact Details

Dr. K. Shri Akiladevi
Research Officer
Room No: M 112
Teaching Learning Centre (TLC)
Coimbatore Institute of Technology
Coimbatore-641014. Email: tlcp5@cit.edu.in
Contact No: 9677557286

TEACHING LEARNING CENTRE

(Under the Scheme of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Dept. of Higher Education, MHRD, Govt)



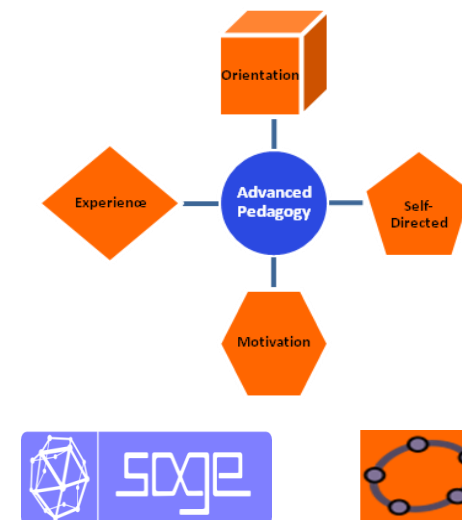
TEACHERS' KNOWLEDGE ENRICHMENT PROGRAMME

On

'ADVANCED MATHEMATICAL PEDAGOGY'

29 OCT, 2018 TO 02 NOV, 2018

(5 DAYS)



COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Coimbatore, Tamil Nadu-641 014

Need for the Programme

Teaching of Mathematics in Higher Educational Institutions has undergone revolutionary changes in the past few decades. In this context, a change in the usual teaching learning process is a must of the hour. Teachers' need to upgrade their skills to gratify the expectations of the globalized students' community. The classroom delivery should focus on students' cognitive development with critical thinking and problem solving skills. Hence this programme provides a platform to Mathematics Educationalists to understand and appreciate the scholarly contributions towards the improvement of teaching and learning Engineering Mathematics through various innovative pedagogical practices.

Objective

The programme is structured as an intensive and interacting workshop focusing on the following objectives:

- To provide Subject and Pedagogical Content Knowledge (PCK) for teaching Mathematics
- To upgrade and deepen the knowledge of teaching Engineering Mathematics through various ICT tools
- To accentuate on multi-faceted nature of Mathematical concepts
- To promote the teaching of Mathematics through constructivist approach
- To explore best practices in teaching learning process
- To provide information about the resources and events related to the subject

Prospective Participants

Faculty members teaching Mathematics in Engineering Institutions and Universities.

Topics to be covered

- *Pedagogical practices in teaching Linear Algebra, Ordinary & Partial Differential Equations, Transformations, Number Theory, Analysis and so on*
- Various applications of the Mathematical concepts in Engineering
- Examples from Applied Physics relevant to teaching Engineering Mathematics
- *Hands on session* to use various tools like *SageMath* and *GeoGebra* for visual illustrations

Registration Details

Interested faculty members are requested to register through the following Google Form link on or before **24 October, 2018**.

<https://goo.gl/forms/0iodEcpOZxGWIgcn1>

- Participants are requested to upload the Nomination form (duly signed by the nominating authority) in the Google Registration Form
- No registration fee will be collected
- Selection will be intimated on or before **25 October, 2018**
- Free accommodation will be provided on prior request
- The number of participants is limited to 30

Venue

CIT, Coimbatore

Resource Persons

- Prof. K. Balachandran, UGC-BSR Professor, Department of Mathematics, Bharathiar University
- Prof. A. Chandrashekar, Department of Mathematics, Central University of Tamil Nadu, Thiruvavur
- Prof. I. Jeyaraman, Department of Mathematics, NIT Tiruchirappalli
- Prof. V. Madhurima, Department of Physics, Central University of Tamil Nadu, Thiruvavur
- Prof. K.S. Mallikarjuna Rao, IEOR, IIT Bombay, Mumbai
- Prof. V. Murugan, Department of Mathematical and Computational Sciences, NIT Karnataka, Surathkal
- Prof. K.S. Ramaswami, Department of Mathematics, Coimbatore Institute of Technology
- Prof. P. Sam Johnson, Department of Mathematical and Computational Sciences, NIT Karnataka, Surathkal
- Prof. T. Sengadir, Department of Mathematics, Central University of Tamil Nadu, Thiruvavur
- Prof. I. Suresh, CSIR-National Institute of Oceanography, Goa

Note: Selection will be based on the first come first serve.

The registration will be closed once the targeted participant number is reached.

Nomination Form

Teachers' Knowledge Enrichment Programme

On

“Advanced Mathematical Pedagogy”

Teaching Learning Centre

Coimbatore Institute of Technology, Coimbatore, Tamil Nadu – 641 014

**** This Nomination Form should be uploaded in Google Registration Form**

Mr. /Ms. /Dr. _____ of the Department of _____ is permitted to attend Teachers' Knowledge Enrichment Programme on “Advanced Mathematical Pedagogy” at Teaching Learning Centre of Coimbatore Institute of Technology, Coimbatore from 29, Oct 2018 to 02, Nov 2018.

Name of the College :

Designation :

Place :

Date :

Signature of Head of the Department

Signature of Head of the Institute