MALAVIYA MISSION TEACHER TRAINING PROGRAMME

शिक्षा मंत्रालय
MINISTRY OF EDUCATION
सत्यमेव जयते

ज्ञान-विज्ञान विमुक्तये

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

An Institute of National Importance

MALAVIYA MISSION TEACHER TRAINING CENTRE

Established under the Scheme of MMTTP, University Grants Commission (UGC), Ministry of Education, Government of India

One-Week (Residential) Short Term Training Program on

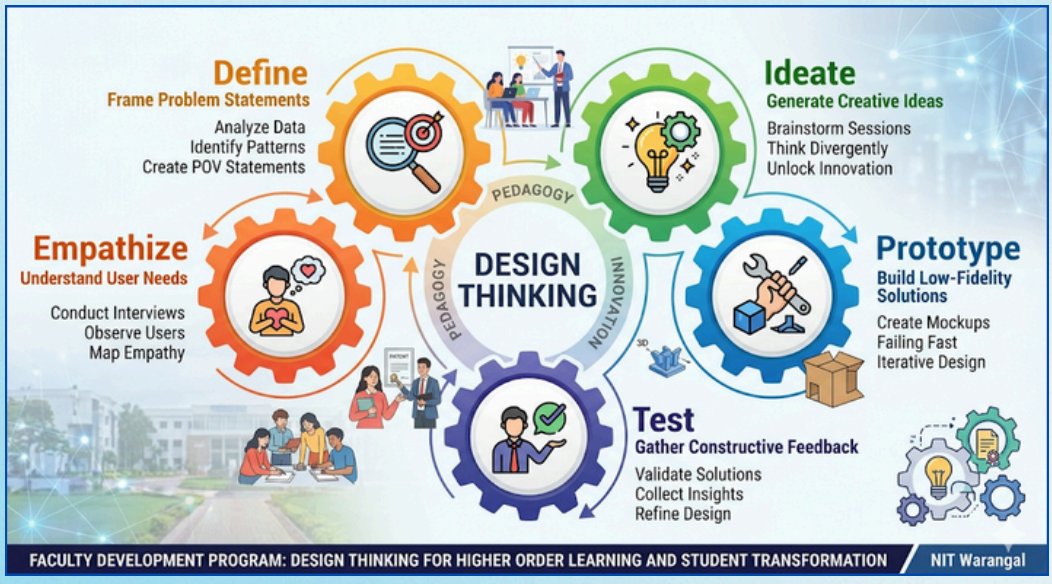
Design Thinking for Higher Order Learning and Student Transformation

29 June - 4 July, 2026

Program Overview:

Modern engineering education demands a fundamental shift toward solving real-world problems with empathy and innovation. This program is crafted to ignite this shift. Rooted in the transformative experiences of NIT Warangal faculty, this program shares a proven blueprint that renewed students' joy of learning and yielded over a dozen design patents. When educators experience Design Thinking firsthand, they can seamlessly inspire students to become proactive, responsible engineers who add value to life.

Moving beyond traditional lectures, this program immerses participants in the five stages of Design Thinking: Empathize, Define, Ideate, Prototype, and Test. By integrating Outcome-Based Education (OBE) with experiential learning, the curriculum targets the affective domain to foster a deeper appreciation for core courses. Faculty will collaborate in teams through hands-on activities that mirror the student experience. Our goal is to equip educators from engineering colleges with the tools, frameworks, and passion to confidently deliver this course. By stepping into the learner's shoes, participants will leave fundamentally transformed. Join us to reshape engineering education and instill a lifelong enthusiasm for innovation in the next generation.



Scan the QR code to Register

Last date for Registration: 25-06-2026

NO REGISTRATION FEE

Content of the STTP Program:

- Pedagogical Foundations: Aligning Design Thinking with OBE and the Affective Domain.
- The Transformation Blueprint: NIT Warangal's journey of Design Thinking Courses.
- Module 1 – Empathise: Human-centred research, user observation.
- Module 2 – Define: Synthesising insights into engineering characteristics.
- Module 3 – Ideate: Brainstorming strategies for divergent thinking.
- Module 4 – Prototype: Developing physical and conceptual models.
- Module 5 – Test: Gathering user feedback on prototype to iterate and refine solutions.
- Experiential Team Project: Hands-on, design sprint in collaborative faculty teams.
- Assessment & Evaluation: Modern rubrics to evaluate higher-order learning without traditional exams.
- Institutional Implementation: Strategies and roadmaps to launch the course at your home college.

Resource Persons for this program:

Faculty from NIT Warangal and other IITs/NITs and Industries involved in Design Thinking will be resource persons to deliver lectures in the program.

Course duration:

There will be 6 days (36 hours) of engagement, including live sessions, practical sessions, and related activities.

Certification criteria:

The participants must maintain complete Attendance, need to submit Assignments in time. Candidates will be issued certificates on successful completion of the course.

Who can apply ?

Selection will be done based on first-come-first-served to a maximum number of 50 Faculty. PhD scholars are eligible, but preference will be given to faculty. The list of selected participants will be intimated through email. There is **No Registration Fee** to attend this program.

Selection Criteria:

Selection will be done based on first-come-first-serve to a maximum number of 50 participants. The list of selected participants will be intimated through e-mail. There is **No Registration Fee** to attend this program.

Accommodation:

Accommodation can be provided at the Institute Visitor's Block for a maximum of 20 participants from the programme, on a first-come, first-served basis. Over and above this, accommodation will be provided at the Institute Outreach Centre (NITW).
For further details, please contact 0870-2462686.

Note: This Programme shall be considered equivalent to One Week FDP/STP for regularization/ CAS.

About MMTTC of NIT Warangal:

The Malaviya Mission Teacher Training Centre (MMTTC) was established at NIT Warangal in the year 2016 under the scheme *"Malaviya Mission on Teacher Training Program (MMTTP)"* sponsored by the University Grants Commission (UGC), Ministry of Education, Government of India. Since its inception, the Centre has successfully organized various programmes such as *NEP Orientation programs, Short-term programs, Refresher Courses, FDP programmes* and one-month duration *Faculty Induction Programme (FIP)* for Higher Education Faculty in various theme areas of Science and Technology, Humanities and Social Sciences from which more than 10,000 participants have benefitted. Other activities of the MMTTC include offering online courses on curriculum design, carrying out research in educational technology and pedagogy and integrating ICT into the Teaching-Learning process. The MMTTC NIT Warangal has been conducting various programs, online and offline following MMTTP Guidelines and UGC Regulations.

About Mechanical Engineering Department of NIT Warangal:

The Department of Mechanical Engineering at the National Institute of Technology Warangal promotes technical excellence, innovation, and research leadership through premier academic programs and advanced infrastructure. The department regularly organizes national and international conferences, workshops, and specialized technical training programs while offering robust industrial consultancy. Faculty and students have achieved remarkable success in cutting-edge R&D, resulting in high-impact publications, sponsored projects, and numerous design patents. The faculty are highly qualified professionals and active researchers who contribute significantly to core and interdisciplinary engineering fields through research, publications, seminars, and conferences.

How to Apply? :

Interested participants are required to register by using the online form, link provided below, on or before Last Date. There is **NO REGISTRATION FEE.** It is mandatory to submit the **Nomination Form** from your organization to consider your application.

Registration link: https://mmc.ugc.ac.in/registration/Index

or through Google Form: https://forms.gle/1eYEr5xXDiWU86Zk9

Important Dates:

Last Date of Application: 25 June, 2026

Intimation of acceptance of nomination: 27 June 2026

Program Coordinators

Prof. Gaurav Kumar Sharma,
Prof. Karthik Balasubramanian,
Prof. Hari Kumar Voruganti,

Mechanical Engineering Dept., NIT Warangal
Email: harikumar@nitw.ac.in
Phone: 8985929103

Prof. M. Sailaja Kumari
Coordinator, UGC-MMTTC &
Head, Centre for Teaching and Learning
& Professor of Electrical Engineering
NIT Warangal

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For Queries, Contact: Office: 0870-2462686
Email: ctl_hod@nitw.ac.in Website: www.nitw.ac.in