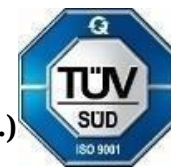




**MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS INSTITUTION)**



Affiliated to JNTUA, Ananthapuramu & Approved by AICTE, New Delhi
NAAC Accredited with A+ Grade, NIRF India Rankings 2024 - Band: 201-300 (Engg.)
NBA Accredited - B.Tech. (CIVIL, CSE, ECE, EEE, MECH, CST), MBA & MCA

**A Report on Six-day skill development program on
“Design & Validation Using ANSYS Software”
Organized by Skill Development Cell
in association with Department of Mechanical Engineering
from 07.04.2025 to 12.04.2025**

The poster is for a six-day skill development program titled "Design & Validation using ANSYS". It is organized by the MITS Skill Development Cell in association with the Department of Mechanical Engineering. The program dates are from 07.04.25 to 12.04.25, and the venue is CBT Lab, EB - 019. The resource person is Mr. Kumar Mayank Priyadarshi from AYLIN TECHNOLOGIES PVT. LTD. The poster also lists the Chief Patron (Dr. N. Vijaya Bhaskar Choudhary), Patron (Mrs. Keerthi Nadella), Program Chair (Dr. C. Varadaraj), Convenor (Dr. S. Baskaran), Coordinator (Dr. V.B. Thurai Raaj), and Co-Coordinators (Mr. P. Mohammed Rizwan Ali and Dr. Ved Prakash). The website www.mits.ac.in is mentioned at the bottom.

Report submitted by: Dr. V.B. Thurai Raaj, Assistant Professor in EEE, Coordinator-Skill Development Cell & SPOC, APSSDC t-SDI.

Co-coordinator: Mr. Mohammed Rizwan Ali. P, Assistant Professor, & Co-Coordinator, Skill Development Cell, Department of Mechanical Engineering; Dr. Ved Prakash, Assistant Professor, Department of Mechanical Engineering; Dr. Muthulakshmanan, Assistant Professor, Department of Mechanical Engineering.

Resource Person Details: Mr. Kumar Mayank Priyadarshi, Aylin Technologies Private Limited.

Total Participants: 46 -Students and 3- Faculty Members

Venue: Computer-Based Training (CBT) Lab (EB:019)

Report Received on 29.04.2025.

Mode of Conduct: Offline.

The Skill Development Cell, Madanapalle Institute of Technology and Science, Andhra Pradesh, Madanapalle, in association with the Department of Mechanical Engineering, MITS, Madanapalle, organized a six-day skill development program on “Design & Validation Using ANSYS Software” from 07.04.2025 to 12.04.2025. About 46 participants participated in this program, making the event a success.

A summary of the skill development program is as follows:

Dr. P. Ramanathan, Professor/ECE & Vice Principal-Academics, MITS, and Dr. S. Baskaran, Associate. Professor & Head, Dept. of Mechanical Engineering, participated in the inaugural function. Dr. S. Baskaran welcomed the resource person and addressed the importance of the training program. Dr. Ved Prakash gave a brief introduction to this six-day skill development program. Dr. P. Ramanathan inaugurated the program with his motivational speech. Dr. V B Thurai Raaj, Assistant Professor in EEE & SPOC-APSSDC t-SDI, introduced the resource person and handed over the session to the resource person.

The 46 students from the third year and three faculty members from the Department of Mechanical Engineering participated in this six-day hands-on training program.

Training Sessions Overview:

The program spanned six days, divided into daily morning and afternoon sessions.

- **Morning Schedule:** 9:10 AM – 12:10 PM
- **Afternoon Schedule:** 1:00 PM – 5:00 PM

Day	Session	Topic Discussed
Day- 1	Morning	Introduction to FEM (PPT Explanation) & Software Installation
	Afternoon	Analysis Setup, Engineering Data
Day- 2	Morning	Geometry Creation in Design Modeler
	Afternoon	Static Structural Analysis
Day- 3	Morning	Meshing Concept in detailed
	Afternoon	Static Structural Analysis continued
Day- 4	Morning	Buckling Analysis
	Afternoon	Model Analysis- Analysis Settings
Day- 5	Morning	Model Analysis- Free Vibration Analysis
	Afternoon	Thermal Analysis- Convection
Day- 6	Morning	Thermal Analysis- Radiation
	Afternoon	Re-cap, Assessment & Feedback



Dr. V B Thurai Raaj, Asst. Prof. in EEE & SPOC-APSSDC t-SDI addressing the welcome Note



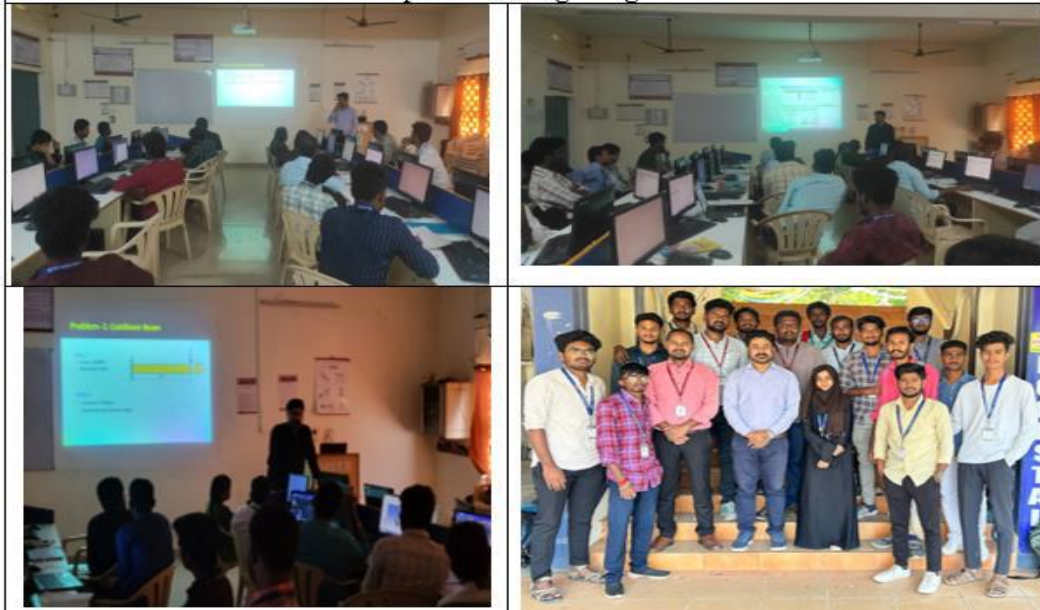
Dr. P. Ramanathan, Professor & Vice Principal-Academics, MITS, Addressing the Gathering



Dr. S. Baskaran, Assoc. Prof. & Head, Dept. of ME., Addressing the importance of the six-day skill development program



Group Photo during inauguration



During Training Session



Valedictory Function

The training program culminated with a **Valedictory Session** on **12th April 2025**, attended by distinguished dignitaries **Dr. V B Thurai Raaj & Dr. Vedprakash**. The dignitaries commended the dedicated efforts of the Skill Development Cell, the Dept. of ME, the active participation and enthusiasm of the trainees. The session was a fitting celebration of the participants' hard work and the program's achievements.

Overall Outcomes: -

1. Participants achieved proficiency in using ANSYS for design validation.
2. Gained hands-on experience in real-world engineering simulation tasks.
3. Developed critical thinking and problem-solving skills in simulation workflows.
4. Ready to implement simulation-driven design validation in academic or industry projects.
- 5.
6. I expressed my gratitude to the Management and Dr. C Yuvaraj, Principal, for giving permission and financial support to organize this program. I thank Dr. C. Kamal Basha, Professor & Vice Principal- Administration, for providing the necessary needs in time and for his support. I thank Dr. S. Baskaran, Associate Professor & HOD/ME, for his continued guidance in all the parameters. I take this opportunity to thank the entire SDC team.