



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

(Approved by AICTE & Affiliated to JNTUH)

DEPARTMENT OF MECHANICAL ENGINEERING

REPORT ON INDUSTRIAL VISIT 2025

Venue: Telangana (T-Works). Hyderabad

T-Works is India's Largest Prototyping Centre

Date: 19th Feb, 2025



An industrial visit to T-Works, India's largest prototyping center, located in Hyderabad, Telangana, was organized by the Department of Mechanical Engineering, Malla Reddy College of Engineering and Technology (MRCET) to provide students with exposure to state-of-the-art innovation, design, and prototyping practices. This visit was aimed at bridging the gap between academic knowledge and real-world industry experience.

T-Works is an initiative of the Government of Telangana under the Telangana State Innovation Cell (TSIC). It is a world-class facility that promotes innovation by providing access to tools for Mechanical fabrication, 3D printing, woodworking, and more. It is designed to foster a maker culture among entrepreneurs, startups, students, and hobbyists.

Objective of the Visit:

- To understand the importance of prototyping in product development.
- To gain insights into cutting-edge machinery and fabrication tools.
- To interact with experts and understand the innovation ecosystem at T-Works.
- To explore career and entrepreneurial opportunities in hardware and design.

Visit Highlights:

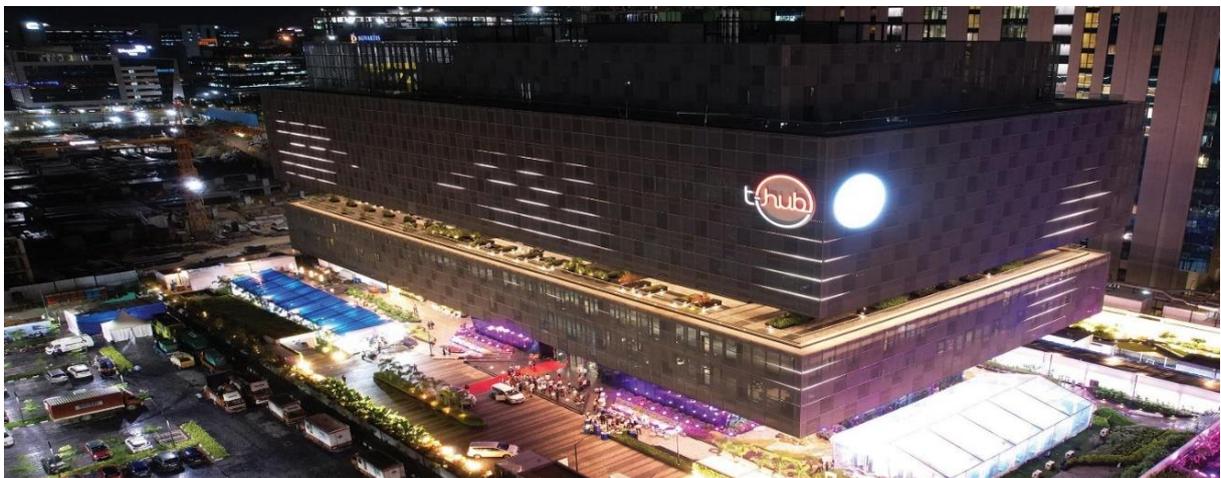
- Students were given a guided tour of various sections including **CNC machining, laser cutting, electronics lab, 3D printing, metalworking, and woodworking workshops.**
- Live demonstrations of 3D printing processes and PCB fabrication were showcased.
- The mentors explained how T-Works supports innovators in transforming ideas into tangible products.
- Discussions were held on the future of hardware innovation, product design cycles, and the role of prototyping in reducing time to market.

Outcomes and Learning:

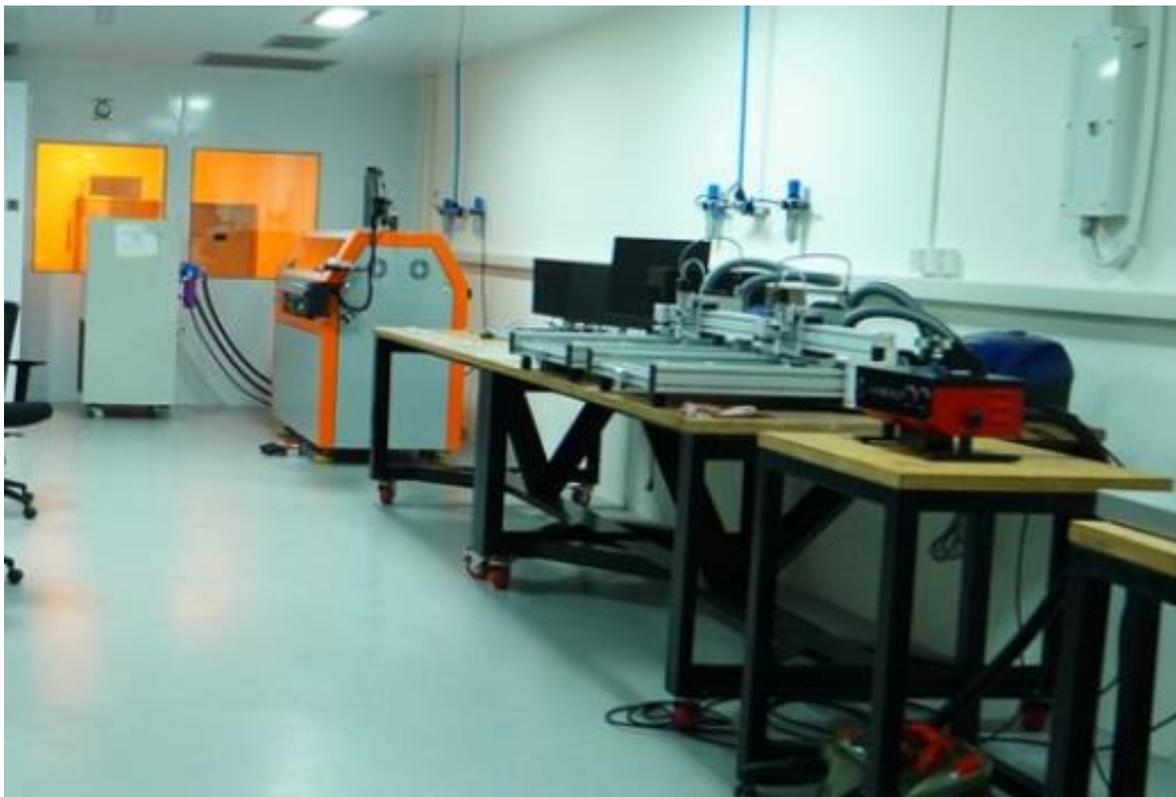
- Students developed a better understanding of interdisciplinary collaboration in innovation.
- They learned about the tools and processes involved in rapid prototyping.
- The exposure to advanced manufacturing and electronics design tools enhanced their appreciation for practical engineering.
- The visit inspired many students to consider entrepreneurship and product development as viable career paths.

Conclusion:

The visit to T-Works was a highly enriching experience that complemented the theoretical knowledge of the students with hands-on exposure to practical tools and innovation processes. It motivated students to think creatively and consider the real-world applications of their academic learning.





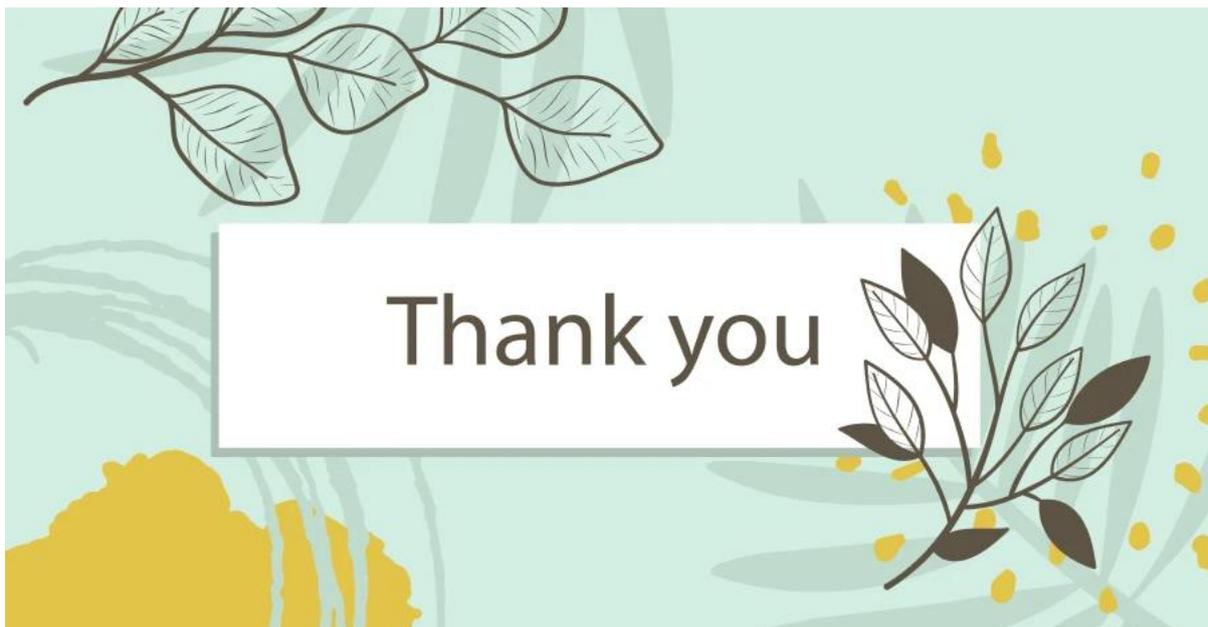






Conclusion:

The visit to T-Works was a highly enriching experience that complemented the theoretical knowledge of the students with hands-on exposure to practical tools and innovation processes. It motivated students to think creatively and consider the real-world applications of their academic learning. Thanks to the Director, Dr. VDK Reddy Sir, Principal Dr. S. Srinivasa Rao Sir and Management for their support and encouragement.





Estd : 2004

MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution - UGC, Govt. of India)

(Sponsored by CMR Educational Society)

Recognized under 2(f) and 12 (B) of UGCACT 1956

(Affiliated to JNTUH,Hyderabad, Approved by AICTE- Accredited by NBA & NAAC- 'A' Grade - ISO 9001:2015 Certified)



Ref: No. MRCET/ME/IIC/IV/1

Date: 14-02-2025

To
THE MANAGER (Visit)
T-Works
HYDERABAD-500081

Respected Sir,

Sub: Request for Industrial visit for MRCET B.Tech III Year II Semester Mechanical Engineering students at T-Works on 19-02-2025- Reg.

Ref: The Curricula prescribed by JNTU Hyderabad.

Malla Reddy College of Engineering & Technology (MRCET) is a UGC autonomous Institution, accredited by NAAC-A grade UGC, Govt. of India, approved by AICTE, New Delhi, affiliated to JNTU Hyderabad and is also recognised under UGC 2f & 12(B) Status. MRCET is offering UG and PG Courses in the areas of AE, CSE, CSE(AI&ML), CSE(CS), CSE(IOT), CSE(DS), AI&ML, AI&DS, ECE, EEE, IT, MECH disciplines and Post Graduate (M.Tech) courses in ECE, CSE, MECH and AE specializations in addition to MBA programmes while the courses were accredited by NBA (Tier-1). MRCET is equipped with state-of-art laboratories and a Center for Innovation, Incubation & Entrepreneurship to cater to today's requirements of industry. MRCET also has established centers of excellence for the students to be exposed to fifth-generation technologies to match with industry needs.

We wish to bring to your kind notice that 29 students of B.Tech III year II semester and 02 faculty members of Mechanical Engineering are intending to visit your esteemed organization for an Industrial visit. The visit is for one day on 19-02-2025. This will enable our students to have an industry overview and exposure, which would motivate the students towards the R&D initiatives.

We earnestly request your good selves kindly to provide an opportunity to our students to facilitate the industrial visit as a part of their curriculum in the B.Tech program in Mechanical Engineering. The list of the students and faculty members is enclosed for your kind reference. Permission for the visit may be intimated through our email id desu.damodarareddy@mrcet.ac.in for confirmation of the visit and any other matter concerned.

We shall be extremely grateful for your favorable consideration in this regard.

Thanking you,

Yours sincerely,

Dr. Desu Damodara Reddy
HOD (ME) & Assoc. Professor
Email Id: desu.damodarareddy@mrcet.ac.in
Mobile No. 9492752032

Dr. S Srinivasa Rao
Principal

B.Tech, M.Tech, Ph.D (JNTUH)
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PRINCIPAL

Malla Reddy College of Engineering & Technology
(Autonomous Institution-UGC, Govt. of India)
Maisammaguda, Dhulapally, Secunderabad-500100



MRCET



MALLA REDDY COLLEGE OF ENGINEERING & TECHNOLOGY

(Autonomous Institution – UGC, Govt. of India)

DEPARTMENT OF MECHANICAL ENGINEERING

S No	ROLL NUMBER	NAME OF THE STUDENT
1	23N35A0301	BADE AKHIL
2	23N35A0302	AMGOTH AKSHAY KUMAR
3	23N35A0303	ANAGANDULA OMKAR
4	23N35A0304	ANKADI MEGHARAJU
5	23N35A0306	AVUNURI YASHWANTH
6	23N35A0307	BHUKYA SWAMY
7	23N35A0308	BHUMAIHAGARI SAMPATH REDDY
8	23N35A0309	BOYINI VINAY KUMAR
9	23N35A0310	CHAPALA AVINASH
10	23N35A0311	CHINTALACHERVU MAHESWARA REDDY
11	23N35A0312	DADE NARESH
12	23N35A0313	DUBBAKA MANASA
13	23N35A0314	ELIGETI SINDHU
14	23N35A0315	GUNDA LAVANSAI
15	23N35A0316	J SIMHA CHARAN
16	23N35A0317	JADAV NITHYANAND
17	23N35A0318	JATANGI ASHOK
18	23N35A0319	KAMALAM KARTHIK
19	23N35A0320	KODURI SAI RAKSHITHA
20	23N35A0321	KOLA ROHITH KUMAR
21	23N35A0322	MUDA PRATHYUSHA
22	23N35A0323	GOPAGANI THARUN KUMAR
23	23N35A0324	NAGALLA SAI VAMSHI
24	23N35A0325	NAGUR REHAMATHULLA
25	23N35A0326	PABBATHI PRASAD
26	23N35A0327	PAGIDIPALLY VINAY
27	23N35A0328	SURI VENKAT SAI
28	23N35A0329	VALLAPUDAS SHASHIDHAR
29	23N35A0330	SHAIK DULSHAN







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INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education Initiative)



DEPARTMENT OF

MECHANICAL ENGINEERING

INDUSTRIAL VISIT

TO

T-WORKS RAIDURGAM

Date:19-02-2025

Dr. VSK Reddy
Director

Dr. S. Srinivasa Rao
Principal

Dr. T. Venugopal
Dean Students Welfare

Dr.PHV Sessa Talpa Sai
R&D Dean

Dr D.Damodara Reddy
HOD