



A REPORET ON
INDUSTRIAL VISIT
ANDHRA PRADESH MEDTECH ZONE(VISHAKAPATNAM)

Chief Patron : Sri Dadi Ratnakar, Chairman
Patron : Dr. R. Vaikunta Rao, Principal
Convener : Dr. K. Sujatha, Professor,
Date : 25th march, 2025

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Event Name: CSI INDUSTRIAL VISIT 2025

Venue: AMTZ MedTech Zone, Visakhapatnam

Date: 25th-March-2025

Poster:

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INDUSTRIAL VISIT
ONE DAY VISIT
25 MARCH 2025

EVENT CONVENOR
Dr.K.Sujatha

FACULTY COORDINATORS
Mrs.M.Sharmila
Mrs.S.Manasa

25th March, 2025 [diet.csi](https://www.instagram.com/diet.csi) [Csi Diet](https://www.facebook.com/CsiDiet) csi@diet.edu.in



Computer Society of India (CSI) is the first and largest body of computer professionals in India. In February 2024, the Computer Society of India (CSI), in collaboration with the Institution's Innovation Council (IIC), embarked on an impactful "INDUSTRIAL VISIT 2025" to AMTZ MedTech Zone, Visakhapatnam. This endeavor unfolded as a pivotal component of the CSI's student chapter activities, aiming to provide students with invaluable insights into industrial practices and real-world applications within the field of computer science.

The industrial visit to AMTZ (Andhra Pradesh MedTech Zone) in Visakhapatnam, organized by Dadi Institute of Engineering & Technology, was a pivotal component of our curriculum, meticulously designed to bridge the gap between theoretical knowledge and practical applications. This visit provided us with a unique opportunity to explore one of India's pioneering medical technology manufacturing hubs, offering firsthand exposure to cutting-edge innovations, advanced production processes, and the real-world implications in the healthcare sector. This report outlines our experience, the invaluable knowledge we gained, and our deep appreciation for the opportunity facilitated by our department and institution.

The experience was both enlightening and inspiring, as it showcased how theoretical concepts from our classrooms—such as material science, electronics, and quality control are practically applied in a professional setting. Witnessing the collaborative efforts of engineers, researchers, and technicians underscored the interdisciplinary nature of modern technology and its impact on improving human lives. Additionally, the visit highlighted the significance of research and development, encouraging us to think beyond textbooks and consider future career paths in this dynamic industry.



AMTZ is India's premier medical technology park with Common Manufacturing Facilities & Common Scientific Facilities that include specialized laboratories, warehousing, and testing centers such as the Center for Electromagnetic Compatibility and Safety Testing, Center for Biomaterial Testing, Center for 3-D Printing, Centers for Lasers, MRI Super Conducting Magnets, Gamma Irradiation Centre, Mold & Machining Centre, and many other industrial service centers.

In the nation's battle against the pandemic, Andhra Pradesh MedTech Zone contributed by producing over 100 ventilators, 500 oxygen concentrators, and 1 million RTPCR kits every day. Many innovations from Andhra Pradesh Medical Technology Zone such as mobile container hospitals, mobile RTPCR vehicles and mobile oxygen plants were sent even to the remotest parts of the country. Built in a record time of 342 days, Andhra Pradesh MedTech Zone showcases modern India as a leader in the medical technology global stage.

Key Research & Innovation Centers at AMTZ

During the visit, we explored several research and innovation centers that play a crucial role in advancing medical technology:

- National Medical Device Testing Laboratory (NMDTL): A high-end facility for testing medical devices to ensure compliance with global quality standards.

- Centre for Bio-Medical Engineering: Focused on developing prosthetics, implants, and bio-medical instruments.
- 3D Printing Lab for Medical Implants: Specializes in designing and manufacturing customized implants using biocompatible materials.
- Electronics & Sensors Lab: Works on medical electronics, IoT-based healthcare solutions, and real-time patient monitoring systems.
- Radiology & Imaging Research Center: Dedicated to advancing MRI, CT scan, and ultrasound technologies.
- AI & Robotics Lab for Health care: Investigates the integration of artificial intelligence in diagnostics, robotic surgery, and automation in hospitals.



1. Medi Valley-At AMTZ

Medi Valley is the technology business incubator (TBI) within Andhra Pradesh MedTech Zone (AMTZ), specifically designed to support startups, researchers, and entrepreneurs in the medical technology sector. It provides essential infrastructure, funding opportunities, and mentorship for companies developing innovative healthcare solutions.

We gained valuable insights into the latest advancements in medical technology, AI-driven healthcare solutions, and medical device manufacturing. Exploring cutting-edge research labs and

interacting with industry experts helped us understand the importance of self-reliance in healthcare innovation.

Medi valley Lab's accreditation from NABL, BIS, and CDSCO is a testament to its commitment to quality, safety, and regulatory compliance in the field of medical testing and healthcare services.



2. Pyramed–At AMTZ

Pyramed at Andhra Pradesh MedTech Zone (AMTZ) is a cutting-edge digital manufacturing and innovation hub that accelerates the design, prototyping, and production of medical devices. Equipped with high-precision CNC machines, 3D printing technology, and robotic automation, it enables rapid manufacturing of I^m plants, prosthetics, and surgical instruments. The facility integrates AI and IoT into medical devices, supporting the development of smart healthcare solutions like real-time patient monitoring systems and wearable health technologies. Pyramed collaborates with startups, hospitals, and researchers, providing hands-on training and ensuring compliance with global medical standards (ISO, CE, FDA). By reducing production costs, enhancing innovation, and promoting self-reliance in MedTech, Pyramed plays a vital role in transforming India into a global leader in medical technology manufacturing.



3.Cobalt-At AMTZ

Cobalt at Andhra Pradesh MedTech Zone (AMTZ) is a high-end radiation sterilization facility designed to ensure the safety and sterility of medical devices, pharmaceuticals, and healthcare products. This facility uses Cobalt-60-based gamma radiation to eliminate harmful microorganisms, ensuring that medical products meet global hygiene and safety standards before being used in hospitals and clinics.

Cobalt plays a crucial role in ensuring infection-free medical products, boosting India's ability to produce and export high-quality medical devices. By providing an in-house sterilization solution, AMTZ reduces reliance on imported sterilization services, making medical technology more affordable and accessible.



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Participants list:

S. NO	Name as per SSC	Branch	Year
1	KANDALA LAXMI KRISHNA RAMA VIHARI	CSE	III
2	Aggala Deepak Ravi Kiran	CSE	III
3	Maddala Durga Prasad	CSE	III
4	Rokkam Adi Narayana	CSE	III
5	Lenka Lokesh	CSE	III
6	Peram Vamsi	CSE	III
7	Teppala Akash	CSE	III
8	Srikakulam Sai Kumar	CSE	III
9	Reyya Nitin	CSE	III
10	Vanam Dinesh Kumar	CSE	III
11	Rushingi Gowri Sankar	CSE	III
12	Dokala Vardhan Sahit	CSE	III
13	Baddireddy Teja	CSE	III
14	Chinta Madhavarao	CSE	III
15	Yagalla Vinay Kumar	CSE	III
16	Karri Lokesh Vasu	CSE	III
17	Polavarapu Jeevan Kumar	CSE	III
18	Adari Nithin	CSE	III
19	Dadi Sai Rajeev	CSE	III
20	Sashank Mouli Gunturu	CSE	III
21	Sundarapu Jayanth	MBA	I
22	Mosuri Samhitha	CSE	III
23	Kolaparathi Jyotshna	CSE	III
24	Kandregula kavya sri Harshitha	CSE	III
25	Kondamanchili Jai Sri	CSE	III
26	Mycharla Gowri	CSE	III
27	Shaik Chandini	CSE	III
28	Karu Vijaya vara sai Sri	CSE	III
29	Sravanthi Pedagadi	CSE	III
30	Pragada Pallavi	CSE	III
31	Shaik Sharmila	CSE	III
32	Devadi Amrutha Varshini	CSE	III

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33	Buddharaju sri sai lakshmi Akshaya	CSE	III
34	Yegi Yasasri	CSE	III
35	Ravi Pavani	CSE	III
36	Dadi Chandini Naga Kumari	CSE	III
37	Poothireddy Kalyani	CSE	III
38	Rayapureddy sai varshini	CSE	III
39	Mallareddy Sandhya	CSE	III
40	Dogga Charishma	CSE	III
41	Dadi Navya Sree Lakshmi	CSE	III
42	Behara Pavan Kalyan	CSE	II
43	Kommireddi Harsha Vardhan	CSE	II
44	Medasetti Pavan	CSE	II
45	Koyya Chanikya Venu Santhosh Reddy	CSE	II
46	Jakkampudi Kishore	CSE	II
47	Pyla Bharath	CSE	II
48	Aravelli V S B Sarma	CSE	II
49	Konathala Hemanth	CSE	II
50	Tanda Ganesh	CSE	I
51	Malla Vishwanth	CSE	I
52	Vishal Saragadam	ECE	I
53	Bheemiseti Venkata Vignesh	CSM	I
54	Nakaraboyina Urvik Sai Prudhvi raj	CSE	I
55	Gummidi Deva Harsha	CSE	I
56	Teppala JayaVardhan	CSE	I
57	B.Varun	CSM	I
58	B.Chiranjeevi	CSM	I
59	Chinni Surendra	CSE	I
60	Adari Lakshmi Poorna Nageswari	CSE	II
61	Pentakota Tanuja	CSE	II
62	Korukonda Bhagya sri	CSE	II
63	Dooda Vasantha	CSE	II
64	Notla Sravani	CSE	II
65	Pilla Pravennela	CSE	II
66	Polamarasetti Varshini	CSE	II
67	Ellapu Bhagyasri	CSE	II

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68	Althi Sanjana	CSE	II
69	Ramisetty Lavanya	CSE	I
70	Ramoju Peshitha	CSE	I
71	Kadali Kushali Vinya	CSE	I
72	Dudi Jhansi	CSE	I
73	Maturi Lakshmi Prameela	CSE	I
74	Chelliboina Pujitha sri	CSE	I
75	Pitla Divya Sri	CSE	I
76	Malla Yamini	CSE	I
77	G.Sirisha	CSE	I
78	Boddeti Akshya Lavanya	CSE	I
79	Alla Bhavya Sri	CSE	I
80	Baggam sai Jhansi Tanuja	ECE	I
81	P Harika	CSE	II
82	K Lasya Sri	ECE	I
83	Ch Chandrika	ECE	I
84	Nimmadala vijaya Lakshmi	CSE	I
85	Samarajupalli Manasa	CSE	Faculty
86	Mortha Sharmila	CSE	Faculty
87	Avasarala revathi	CSE	Faculty
88	Pentakota Neeraja	CSE	Faculty
89	Konathala Uma Venkata Padma	CSE	Faculty
90	Cherukuri Gunna Lakshmi	CSE	Faculty
91	Koppala Mohan Rao	CSE	Faculty
92	Konathala Madhavi Latha	CSE	Faculty
93	Surisetty Pushpa	CSE	Faculty

GLIMPSES OF THE EVENT:



3rd year students



2nd year students

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1st year students



Photo with Dr. Jitendra Sharma (CEO of AMTZ Medtech)

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Seminar about AMTZ



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Glimpses of the event:



