PVP Siddhartha Institute of Technology

Department of ECE

List of Industrial Visits A.Y: 2025-26

S.No.	Date	Name of the Industry	Location	Year	No. of Students
1	24.10.2025	INCAP Pvt. Ltd.	Nidamanuru	II Year	62+66
2	12.12.2025 – 13.12.2025	AMTZ	Visakhapatnam	II Year	39
3	12.12.2025	National Institute of Design	Amaravathi	II Year	58
4	26.12.2025	Efftronics Pvt. Ltd.	Mangalagiri	II Year	54

Name of the Company: INCAP Pvt. Ltd. **Date:24.10.2025**

As part of our academic curriculum, we visited INCAP Pvt. Ltd. to gain real-world exposure to how an industry functions beyond classroom learning. The visit gave us a valuable opportunity to observe the working environment, understand the manufacturing process, and see how theoretical concepts are applied in a professional setting. INCAP Pvt. Ltd. is a well-known organization in the field of electronic component manufacturing, especially capacitors, and it focuses on maintaining high quality standards, adopting modern technology, and following safe and eco-friendly industrial practices. During our visit, we were guided through different departments such as production, quality control, research and development, and stores and inventory management, where we observed how raw materials are selected, processed, assembled, tested, and finally packaged and dispatched.

The production department helped us understand how automated and semi-automated machines are used to ensure accuracy and consistency, while the quality control team explained the importance of inspections and testing in maintaining customer trust and product reliability. In the R&D section, we learned how engineers continuously work on improving existing products and developing new designs to meet market needs. We also observed strict safety

measures throughout the facility, including the use of protective equipment, safety signboards, and emergency arrangements, which highlighted the company's commitment to employee well-being. Interacting with the company staff and engineers was one of the most interesting parts of the visit, as they shared insights about their roles, career opportunities, and the importance of teamwork, discipline, and continuous learning. Overall, the industrial visit to INCAP Pvt. Ltd. was a meaningful and enriching experience that helped us connect theoretical knowledge with practical application, improved our understanding of professional work culture, and motivated us to develop the technical and personal skills required for our future careers.

Name of the Organization: AMTZ (Andhra Pradesh MedTech Zone), Visakhapatnam Date:12.12.2025

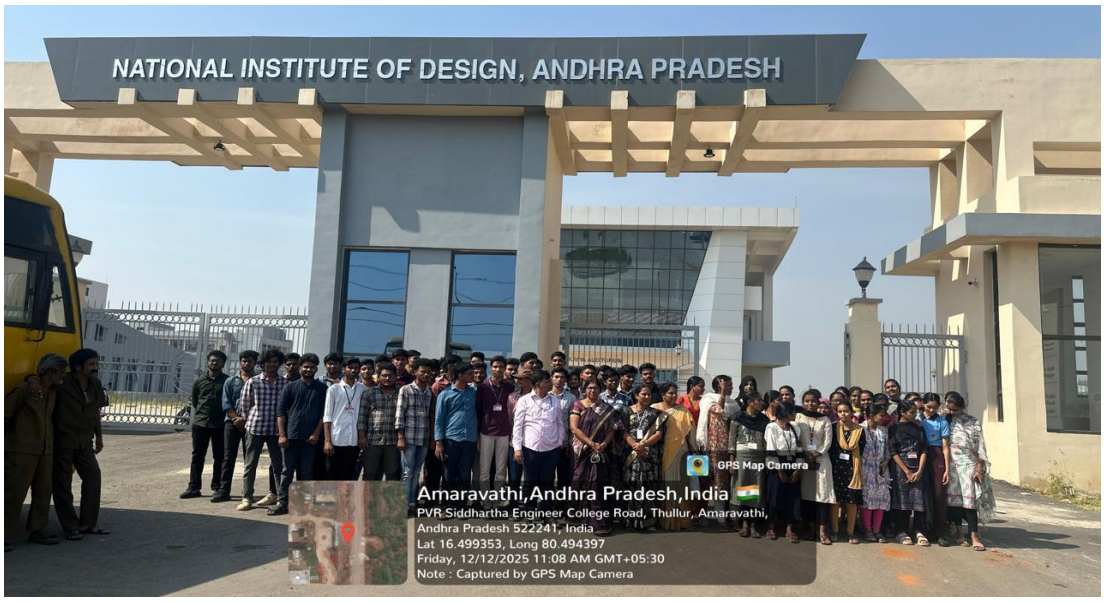
As part of our academic curriculum, we visited the Andhra Pradesh MedTech Zone (AMTZ) in Visakhapatnam to gain real-world exposure to how the medical technology and manufacturing industry functions beyond classroom learning. The visit gave us a valuable opportunity to observe a professional working environment, understand how innovation and production go hand in hand, and see how theoretical concepts are applied in practical situations. AMTZ is a unique industrial ecosystem that brings together multiple companies, research centres, and shared testing facilities on a single campus to support the development of medical devices and healthcare technologies.

During the visit, we learned about product design, prototyping, large-scale manufacturing, quality testing, and certification processes, and we were introduced to the importance of following national and international regulatory standards to ensure patient safety and product reliability. We also observed how advanced laboratories and common infrastructure help both startups and established companies reduce costs while maintaining high quality. Interacting

with professionals at AMTZ gave us insights into workplace culture, teamwork, and the wide range of career opportunities available in the fields of medical technology, research, and quality management. Overall, the visit was an inspiring and meaningful experience that helped us connect our academic knowledge with real-life industrial practices and motivated us to develop the technical and professional skills required for our future careers.

Name of the Organization: National Institute of Design Dt:12.12.2025

As part of our academic curriculum, we visited the National Institute of Design (NID) to gain a deeper understanding of how creativity, technology, and problem-solving are combined in a professional design environment. The visit gave us the opportunity to explore the campus, observe design studios, workshops, and laboratories, and interact with students and faculty members who explained how design education focuses not only on appearance but also on user needs, innovation, and practical application. We were introduced to various design disciplines such as product design, communication design, industrial design, and digital and interaction design, and we learned how ideas move through stages of research, concept development, prototyping, testing, and final presentation. During the visit, we observed students working with different materials, tools, and software to transform their concepts into functional and meaningful solutions. The faculty emphasized the importance of teamwork, user-centered thinking, and continuous experimentation in creating impactful designs. We also learned about the admission process, course structure, evaluation methods, and the importance of building a strong portfolio to showcase a designer's skills and creativity. The guides explained how NID encourages industry collaboration, community-based projects, and sustainable and ethical design practices to address real-world problems responsibly.



Overall, the visit to the National Institute of Design was an inspiring and enriching experience that broadened our perspective on the role of design in shaping products, services, society, and motivated us to think more creatively and critically in our own academic and professional journeys. In addition to this, we learned about how NID encourages interdisciplinary learning by bringing together students from different design streams to work on common projects, which helps in developing communication skills and a collaborative mindset. The visit further

highlighted how NID maintains strong connections with industries, startups, and government organizations to provide internships, live projects, and placement opportunities for students.

Name of the Organization: Efftronics Pvt. Ltd. Date:26.12.2025

As part of our academic curriculum, we visited Efftronics Pvt. Ltd. to gain practical exposure to how a technology-driven industry operates in a real professional environment. The visit gave us the opportunity to understand how electronics, software, and management systems come together to provide innovative solutions for sectors such as railways, smart infrastructure, power systems, and industrial automation. During the visit, we were guided through various departments including design, development, production, quality assurance, and testing, where we observed how ideas move from initial planning and circuit design to assembly, programming, testing, and final deployment. The engineers explained how embedded systems, IoT-based monitoring, and real-time data analysis are used to improve efficiency, safety, and reliability in large-scale projects. We also learned about the importance of documentation, version control, and strict quality standards in delivering dependable products and services. The company's emphasis on teamwork, continuous learning, and ethical work culture was clearly reflected in the way employees collaborated across departments. We were introduced to the company's training programs and internship opportunities, which highlighted its focus on developing young talent and encouraging innovation.

Overall, the visit to Efftronics Pvt. Ltd. was an informative and motivating experience that helped us connect theoretical concepts with real-world applications, broadened our understanding of modern engineering practices, and inspired us to build strong technical and professional skills for our future careers. In addition to this, we learned about the company's project management approach, where teams follow structured planning, regular reviews, and customer feedback to ensure that solutions meet real operational needs. We also gained insights into career paths available in areas such as embedded systems, software development, system integration, testing, and project coordination, which gave us a clearer vision of the opportunities in the electronics and technology industry.