



LAKIREDDYBALIREDDYCOLLEGEENGINEERING

(Autonomous Status Since the Academic Year 2010-11 & Extended upto 2031-32)

NAAC Accredited with CGPA of 3.20 on 4-point scale at 'A' Grade NIRF-2022
(Positioned in the Band of 251-300 in the Engineering Category) NIRF-2023
(Positioned in the Band of 101-150 in the Innovation Category)

NBA Accredited under Tier-I (ECE, EEE, CSE, IT, ME, CIV, ASE)

Recognized as Scientific Industrial Research Organization (SIRO) by DSIR
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Nagar, Mylavaram-521230, N.T.R Dist., Andhra Pradesh, India.

Department of Electronics and Communication Engineering

REPORT ON INDUSTRIAL VISIT

Event Type : Andhra Pradesh MedTech Zone (AMTZ) and MSME
Technology Centre

Date / Duration : 06-03-2025 & 07-03-2025

Place of visit : Visakhapatnam

Name of Coordinator : Dr.K.RANIRUDRAMA, Assoc. Professor

Faculty In-charges :

1	Mrs. K. Rani Rudrama	Associate Professor, Dept. Tours Coordinator
2	Dr.k.Ravi kumar	Associate Professor
3	Mr.P.Venkateswararao	Sr. Assistant Professor
4	Mrs.K.Balavani	Sr.Assistant Professor

Target Audience : B.Tech IV-SEM , ECE STUDENTS-114 Members

Objective of the event:

- ❖ To understand **bioelectronics equipment and medical device manufacturing** at AMTZ.
- ❖ To explore **CNC machining, pneumatics, hydraulics, and industrial automation** at MSME Technology Centre.
- ❖ To gain insights into **sensor technology, PCB design and semiconductor manufacturing**.
- ❖ To understand the role of **VLSI technology** in modern industries.
- ❖ To learn about **entrepreneurship opportunities** in manufacturing and technology sectors.

Outcome of the Event:

Student learning outcomes of the visits and talks include the ability to:

- Demonstrate the applications of engineering concepts and principles learned in classroom.
- Illustrate processes and products manufactured in the industries.
- Develop awareness of the engineering and technological aspects in the industries.
- Aware of the Advanced technologies like 3D printing and sensors.
- Improve interpersonal skill by communicating directly with industrial personnel.

Description / Report on Event:

Main aim industrial visit is to provide an exposure to students about practical working environment. They also provide students a good opportunity to gain full awareness about industrial practices. As a part of curriculum and request from the Class Review Committee the Students of IV-Semester ECE planned to had a one day industrial visit to on 06-03-2025&07-03-2025 accompanied by the department faculty in-charges

Dr.K. Rani Rudrama, Dr.k.Ravi kumar Mr.P.Venkateswararao. and Mrs.K.Balavani . Visitors (students and the accompanying staff) travelled by transportation arranged by the Students. The journey commenced at around 6:00 PM from College Campus and reached Andhra Pradesh MedTech Zone (AMTZ) Visakhapatnam at around 6:00AM on 06-03-2025. After several security checks and administrative formalities, visitors were taken to AMTZ. It explored cutting-edge bio-electronic equipment such as oxygen concentrators and key facilities, including the Kalam Institute of Health Technology (KIHT) and the National Institute of Additive Manufacturing in Advanced Medical Technology (NIAMAT). Additionally, Visited Amphenol Sensor Technology, where we observed high-precision sensor manufacturing.

The MSME Technology Center, Visakhapatnam, is an initiative by the Ministry of Micro, Small, and Medium Enterprises (**MSME**), Government of India. It provides technical training, skill development, and support to **MSMEs** in various industries. It offers courses **in CNC** machining, automation, and **3D printing, pneumatics lab** and **hydraulics systems** giving students hands-on experience for better job opportunities. The center supports startups with workspace and funding guidance and helps businesses get quality certifications.

Student Feedback

Because of monetary and family reasons, students often avoid these visits. It is high time that you realise the importance of these visits and take them as an opportunity to learn about your dream career.

KANDULA PRABHOD KUMAR

ROLL NO:- 23761A04F8

This industrial visit was an **eye-opening experience**, providing insights into **medical technology, semiconductor manufacturing, and industrial automation**. This is achieved through identifying learning outcomes and a suitable industrial site to achieve the same. Industrial visits represent important activities in any engineering undergraduate programme that contribute to the achievement of various essential learning outcomes and programme objectives..

Pulavarthi Ramesh chand,

ROLL NO:- 23761A0446

The industrial visit to **AMTZ and MSME** Technology Centre was a highly informative experience, providing valuable exposure to bioelectronics, semiconductor manufacturing. Industrial visit has its own importance in a career of a student who is pursuing a professional degree. It is considered as a part of college curriculum and objectives of industrial visit is to provide students an insight regarding internal working of companies.

PULAVARTHI LALITHA,

ROLL NO:- 23761A0445

We know, theoretical knowledge is not enough for making a good professional career. With an aim to go beyond academics, industrial visit provides student a practical perspective on the world of work. Industrial realities are opened to the students through industrial visits.

Shaik Joshni sulthana

ROLL NO:- 23761A0452

Industrial visits offer a great source to gain practical knowledge. Students can observe and learn as to how theoretical concepts are put into action, thereby aiding their practical learning. Students are exposed to real working environment and shown how things are done in an organization.

K Lakshmi Laasya Sai Srivalli

ROLL NO:- 23761A0430

Industrial visits provide an excellent opportunity for the students to interact with industries and know more about industrial environment. Industrial visits are arranged by department for the students with an objective of providing them functional opportunity in different sectors which also helps to combine theoretical knowledge with industrial knowledge.





(Dr.K.RaniRudrama)
Tour coordinator