



Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY, BENGALURU-56
(An Autonomous Institution, Affiliated to VTU, Approved by AICTE, Accredited by NAAC with A+ grade)

Master of Computer Applications

A REPORT ON INDUSTRIAL VISIT

Place of visit : **COMEDKARES Innovaton Hub, Bengaluru**

Location: Gopalan Mall, Bengaluru – 562149.

Date of visit: 18-10-2024

ComedKares is establishing eight state-of-the-art Innovation Hubs across Karnataka, that empower students to become problem solvers, acquire competency in emerging technologies and develop solutions that have a positive impact on the community. ComedKares will conduct structured programs at the Innovation Hubs to equip the students with practical experience and give them hands-on exposure to advanced technologies, tools and machinery.

Objectives of the Industrial Visit

The major objectives of the industrial visit were:

- To encourage innovation and design thinking through real-world problem-solving.
- To expose students to industry-standard tools, methodologies, and project management practices.
- To improve technical competencies in hardware-software integration.
- To strengthen teamwork, communication, and presentation skills.
- To bridge the gap between classroom learning and industrial requirements.
- To motivate students towards entrepreneurship and research in emerging technologies.

Activities Conducted During the Visit

The visit began with the registration process at 10.00 a.m, where students registered their details and were briefed about the day's schedule and activities. After completing the registration, the organizers welcomed all the participants and provided important guidelines to be followed during the visit. Students were then introduced to the objectives of the industrial visit and informed about the various sessions and activities planned for the day.

Industry experts introduced the participants to the fundamentals of IoT, embedded systems, sensor interfacing, cloud integration, and real-time monitoring systems. The students received hands-on training using development platforms such as Arduino, NodeMCU, Raspberry Pi, and various IoT sensors.

Students also gained insights into the various stages involved in product development, including problem identification, solution design, hardware integration, software development, prototype testing, and system deployment. The interaction with industry professionals provided valuable knowledge about current industry expectations, technological advancements, and innovation practices.

Participant Feedback

The overall feedback received from the students was highly positive, reflecting the success of the industrial visit and internship program. Participants appreciated the supportive learning environment, well-equipped innovation facilities, and continuous guidance provided by the mentors throughout the project development process. Students expressed that the program enabled them to acquire new technical skills, gain valuable hands-on experience, and understand the practical implementation of IoT technologies beyond the classroom.

Feedback and Analysis

The feedback collected from 18 participants clearly indicates that the visit had a highly positive impact on students' knowledge, career interests, and overall experience related to IOT and its applications.

Overall Feedback Summary

- Student Rating: **9.6/10**
- 100% satisfaction with mentoring and guidance.
- 100% satisfaction with laboratory facilities and project components.
- 100% of respondents recommended the program to other students.
- Students particularly appreciated the practical learning environment, collaborative activities, and mentor support.

Conclusion

The industrial visit to COMEDKARES Innovation Hub served as an excellent platform for bridging the gap between academic knowledge and industrial applications by exposing students

to current technological trends, innovation practices, and product development methodologies. Such industrial visits play a vital role in enhancing students' technical competencies, professional skills, and overall employability, thereby contributing significantly to their academic and career development.

The visit is organized for **MCA II year students** with a schedule from 9.00 am till 3.30 pm.

Faculty Coordinator: Mrs. Shobha Rani. B. R, Associate Professor, Dept. of MCA and Dr. Bharathi S, Professor, Dept. of MCA, Dr. AIT



Group photo at COMEDKARES

