Maharaja Agrasen Institute of Technology, Delhi

Department of Mechanical Engineering

EVENT REPORT **Date: 20th March 2026**

Department : Mechanical Engineering

Activity Category : Industrial Visit

Title of the Activity : Industrial Visit to AddVerb Technologies (BotVerse), Noida

Theme/Focus Area :

- Industrial Automation and Robotics in Smart Warehousing
- Application of Autonomous Mobile Robots (AMRs), AI-driven warehouse management systems (WMS/WES), and intralogistics optimization using Industry 4.0 technologies

1. Basic Details

Date of Activity : 16th March 2026
Day : Monday
Time : 11:00 AM onwards
Venue/Platform : AddVerb BotVerse Facility, Greater Noida
Organised by : Department of Mechanical Engineering
Activity Coordinator(s) : Dr. Deshdeep Gambhir, Ms. Surabhi Lata, Dr. Garima Sharma
Number of Participants :

- Students : 34
- Faculty : 3
- External Participants : NA

2. Resource Person Details

Name : Mr. Suvayan Nandi
Designation : Deputy General Manager, CEO Office
Organization : AddVerb Technologies (BotVerse), Greater Noida
Area of Expertise : Robotics & Automation, Warehouse Automation, AMRs, AI Integration, and Project Management
Brief Profile : Suvayan Nandi is a seasoned professional in robotics and automation, currently serving as Deputy General Manager in the CEO Office at Addverb. With a strong background in managing large-scale automation projects and product development, they have contributed significantly to enhancing operational

efficiency and innovation. Holding a Bachelor's degree in Mechatronics and pursuing advanced studies in project management and strategic leadership, Suvayan combines technical expertise with strategic vision. Their experience includes successful collaborations with global vendors and the development of advanced robotic solutions.

3. Objectives of the Activity

The visit was planned in order to address the following objectives:

- Understanding of the real-world applications of robotics and automation.
- Acquire exposure to warehouse management and intralogistics systems.
- Bridge the gap between theoretical knowledge and industrial practices.

4. Description of the Activity

Purpose of the event: The visit aimed to provide students with practical exposure to industrial automation, robotics, and smart warehouse systems, and to bridge the gap between theoretical learning and real-world industrial applications.

Key Topics covered:

- Intralogistics and warehouse automation
- Autonomous Mobile Robots (AMRs) and their applications
- Warehouse Management Systems (WMS), WCS, and WES
- Robot navigation using LiDAR and mapping techniques
- AI and Reinforcement Learning in robotics
- Automated Storage and Retrieval Systems (ASRS)

Activities Conducted:

- Guided tour of the BotVerse facility
- Live demonstration of autonomous robots and warehouse operations
- Explanation of simulation and mapping processes
- Interaction with technical experts and engineers

Interaction Highlights:

- Discussion with industry professionals on current trends in robotics and automation
- Insights into career opportunities in AI and robotics
- Q&A session on practical challenges and implementation of automation systems
- Understanding real-time problem-solving in industrial environments

5. Learning Outcomes / Impact

Skills gained:

- Understanding of robotic system operations and warehouse automation processes
- Ability to relate theoretical concepts with real-time industrial applications
- Basic insights into robot navigation, mapping, and control systems

Knowledge enhancement:

- In-depth knowledge of Autonomous Mobile Robots (AMRs) and intralogistics systems
- Understanding of Warehouse Management Systems (WMS), WCS, and WES
- Exposure to AI and Reinforcement Learning applications in robotics

Awareness created:

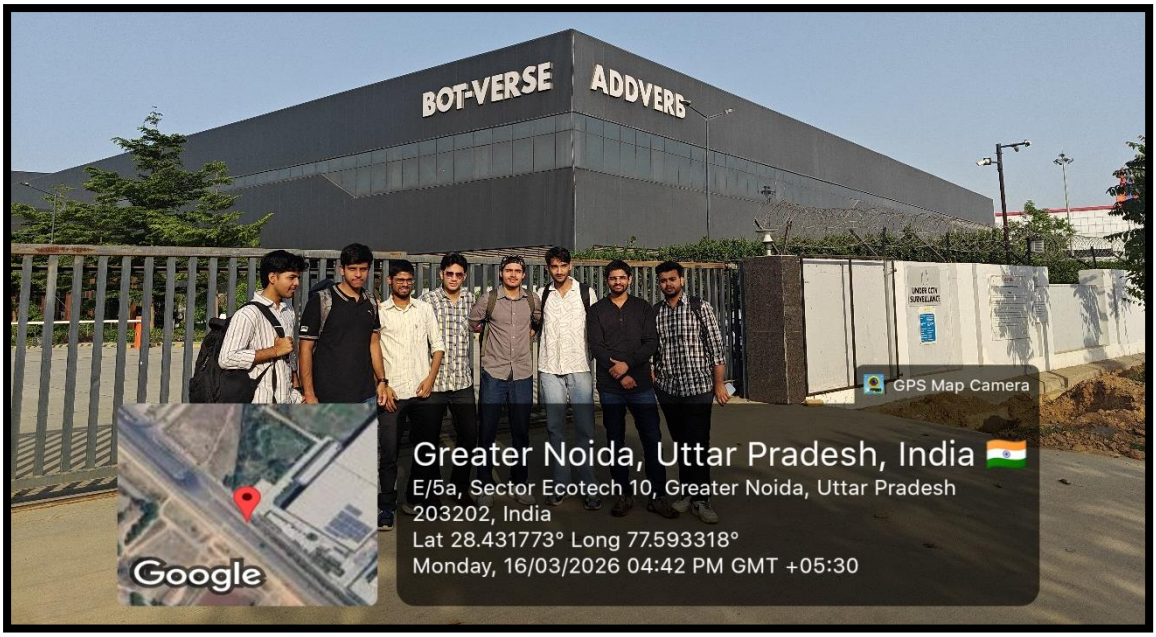
- Awareness of Industry 4.0 technologies and smart warehousing solutions
- Understanding of current industrial practices and automation trends
- Knowledge of career opportunities in robotics, AI, and automation sectors

Innovation mindset development:

- Encouraged analytical thinking towards solving real-world industrial problems
- Motivation to explore innovative solutions in automation and robotics
- Developed interest in research, design, and development of intelligent systems

6. Photographs & Documentation

- **3 Geo-tagged photographs :**



- **Attendance Sheet** : Attached as Annexure

7. Feedback Summary

- **Mode of feedback collection :** Printed Feedback Form **(**Hardcopy)
- **Average rating :**

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
4.62	4.26	4.68	4.56	4.5	4.5	4.41	4.56	4.71	4.76

- **Key feedback insights :**
  - ❖ The industrial visit was highly appreciated, with an overall excellent rating (4.56/5).
  - ❖ Students gained strong understanding of robotics, automation, and Industry 4.0 concepts.
  - ❖ Interaction with industry experts was very effective and informative.

- ❖ The visit significantly enhanced awareness of career opportunities and industry expectations.
- ❖ Minor improvements are suggested in scheduling and clarity of certain demonstrations.

8. Challenges faced

The challenges which were faced were:

- Limited time for in-depth observation of all systems and processes
- Difficulty in fully understanding complex technical concepts within a short duration

9. Recommendations / Future Scope

The following are the recommendations which can be included in future visits:

- Increase duration of the visit for better understanding and engagement
- Strengthen academic–industry collaboration through internships and live projects
- Arrange follow-up expert sessions or webinars for deeper technical insights

10. Annexures

- Annexure I - Attendance Sheets
- Annexure II - Event Poster / Brochure
- Annexure III - Participant Feedback Summary

Report Prepared By:

Name : Ms. Surabhi Lata

Designation : Assistant Professor

Signature :

Verified By:
HoD

Approved By:
Director