



Department of Electrical and Electronics Engineering

Industrial Visit Report

Date: 04 November 2025 & 05 November 2025

Time: 02:00 PM to 05:00 PM

Venue: Karnataka Hybrid Micro Devices Limited (KHMDL), Bengaluru, Karnataka

Participants: 7th Semester, Section 'A' & Section 'B' – B.E. Electrical and Electronics Engineering Students

1. Objective of the Visit

The objective of the industrial visit was to bridge the gap between theoretical learning and practical exposure by enabling students to understand real-world industrial practices, manufacturing processes, and the application of electronic components and systems used in hybrid micro devices.

2. About the Industry

Karnataka Hybrid Micro Devices Limited (KHMDL) is a reputed organization specializing in the design, development, and manufacture of hybrid microcircuits, sensors, and electronic systems catering to industrial, defense, and automotive sectors. The company is recognized for its high-quality standards, advanced technology integration, and contributions to indigenous electronics manufacturing in India.

3. Visit Details

The visit was organized by the **Department of Electrical and Electronics Engineering**, New Horizon College of Engineering, under the banner of **IEEE NHCE Student Branch** and its associated societies – IEEE Industrial Electronics Society (IES), IEEE Power Electronics Society (PELS), and IEEE Industry Applications Society (IAS) Bangalore Chapter.

During the visit, students were given a guided tour of the manufacturing units and testing facilities. They observed the processes of microcircuit fabrication, hybrid packaging, quality assurance, and sensor calibration. Industry experts provided insights into automation, reliability testing, and the role of power electronics in modern manufacturing systems.

4. Key Learning Outcomes

- Gained understanding of hybrid micro device design and applications.
- Observed industrial-grade electronic manufacturing and testing setups.
- Understood the relevance of power electronics and control systems in real-world industries.

- Enhanced awareness of industry standards, safety practices, and quality management systems.
- Developed insights into career opportunities and current technological trends in electronic manufacturing.

5. Faculty Coordinators

- **Dr. B. Gunapriya**, Professor
- **Ms. Sangeetha C. N**, Senior Assistant Professor
- **Ms. Soumya K V**, Assistant Professor

6. Conclusion

The industrial visit to **Karnataka Hybrid Micro Devices Limited (KHMDL)** provided valuable exposure to the students on industrial processes, design methodologies, and applications of hybrid microelectronics. The visit successfully met its objective of linking classroom learning with industrial practice and motivated students to explore innovations in power electronics, embedded systems, and advanced manufacturing technologies.



The banner features logos at the top for New Horizon College of Engineering (25th Anniversary), IEEE NHCE, Industrial Electronics (ico), IEEE IES Bangalore Chapter, and IEEE Power Electronics Society. Below these is the text "Department of Electrical and Electronics Engineering" and "Industrial Visit" in large orange letters. A blue box on the left contains the location "Karnataka Hybrid Micro Devices Limited (KHMDL) Bengaluru, Karnataka". To the right is a stylized graphic of a circuit board. Below this, a white box lists the date "04 November 2025", time "02:00 PM to 05:00 PM", and participants "7th Semester, Section 'B' E.E.E Students". At the bottom, a dark blue box lists the faculty coordinators: Dr. B Gunapriya (Professor), Soumya K V (Assistant Professor), Dr. S Sujitha (HoD-EEE), Dr. Revathi V (Dean - R&D), Dr. R J Anandhi (Dean - Academics), and Dr. Manjunatha (Principal).

Industrial Visit

Karnataka Hybrid Micro Devices Limited (KHMDL)
Bengaluru, Karnataka

04 November 2025
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7th Semester, Section 'B' E.E.E Students

Faculty Coordinators
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Professor
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Department of Electrical and Electronics Engineering

Industrial Visit



Karnataka Hybrid Micro Devices Limited (KHMDL)
Bengaluru, Karnataka



05 November 2025



02:00 PM to 05:00 PM



7th Semester, Section 'A' E.E.E Students

Faculty Coordinators

Dr. B Gunapriya
Professor

Sangeetha C N
Senior Assistant Professor

Dr. S Sujitha
HoD - EEE

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