

**A Report on Industrial visit to
"Aviva Smart Solutions Private Limited & Culine Solutions Private Limited,
Bengaluru",
Organized by Department of Electrical & Electronics Engineering
on 25th June, 2025**



Report Submitted by: Dr. K. Arul Kumar, Associate Professor, Department of Electrical & Electronics Engineering.

Company Name & Place:

- **Aviva Smart Solutions Private Limited-** No 5, Survey No 45, Vishwaneedam Post, Rajivgandhi Nagar, Chandana layout, Sunkadakatte, Bengaluru, Karnataka 560091.
- **Culine Solutions Private Limited-** Tirupathi Valley Rd, off TVS Main Road, Hosur, Tamil Nadu 635126.

Purpose of Visit: Industry Collaboration, Mentoring & Incubation activities.

Faculty Visited: Dr. K. Arul Kumar, Associate Professor, Department of Electrical & Electronics Engineering; Mr. N. Sridhar, Assistant Professor, Department of Electrical & Electronics Engineering; Dr. S. Gopala Krishnan, Assistant Professor, Department of CSE -DS.

Mode of Conduct: Offline

Report Received on 27.06.2025.

Introduction

As per the discussion with Dr. A. V. Pavan Kumar, HOD, EEE Department, and with the approval of the Principal and Mr. Venu Sir, the visit to the industry has been permitted.

About the Company:

1. Aviva smart solutions private limited:

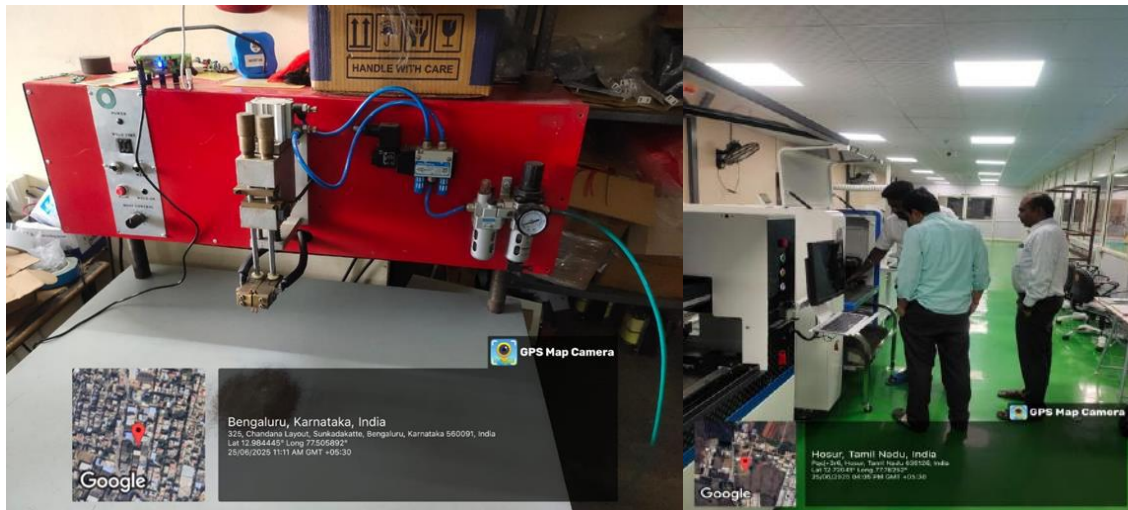
It is established in the year 2015, It is a Manufacturer of the wide spectrum hybrid UPS, SMPS, Solar LED Light, Mobile Charger, Laptop Charger, Rechargeable Led Lamp, Lithium ion phosphate battery, home lightning system etc. They also manufacture these products using premium grade raw material that is procured from the authentic vendors of the market. They offer these products at reasonable rates and deliver these within the promised time-frame.

They have hired an adroit team of employees, which keeps themselves abreast with advanced manufacturing techniques and designs. Further, they also have a quality control unit, wherein, we check our entire range on defined parameters like design, quality and finish. All units are equipped with all the essential tools, machine, and technology in order to manufacture a high-quality range of products.

2. Culine Solutions Private Limited:

Culine is a comprehensive provider of electronics solutions, specializing in the entire lifecycle of product development and manufacturing for a wide range of industrial and IoT devices. Their services encompass everything from PCB Assembly (PCBA) and product design to manufacturing, consulting, and supply chain management, all aimed at helping our clients bring reliable and innovative electronic products to market. By blending technical expertise with industry experience, we ensure that each phase of development meets the highest standards of quality, efficiency, and precision.

With a commitment to excellence, Culine supports clients at every stage, offering tailored consulting, rigorous product testing, and in-depth industrial training programs to ensure both product success and operational readiness. Whether you're launching a new IoT device or scaling up an industrial electronics product, their team is dedicated to guiding your project from concept to completion. At Culine, we're more than a service provider; we're your trusted partner in creating impactful, future-ready electronics solutions.



Key Interactions and Discussions

By 10.30 we have reached Aviva smart solutions private limited, and met Mr. Ram Mohan Rao, Managing Director of the company. They have explained the assembling and testing part in the company. Like, Solar Hybrid UPS system, Solar LED Street Light, Home lighting system. They have discussed about college profile and student community. A guided tour of the production facility, showcasing SMT lines, testing units, and assembly sections. With the students interaction with the R&D team have given good insights on the product development. Discussion on mentoring opportunities, including technical sessions, internships, and guest lectures by industry professionals.

By 03.30 PM we have reached culine solutions private limited company in hosur. We have met the director Mr. Sathyanarayanan, we had a guided tour of the production facility, showcasing SMT lines, testing units, and assembly sections. They have shown as SMT Machines, Reflow oven, and pick and place machine. The company is about 6,000 sqft in area. They have agreed to give proposal for student incubation support, including provision of lab access, industrial internship and mentorship.

Outcomes of the Visit:

- Expression of interest from the two companies to give offline internships to students.
- Agreement to host internships for final-year students and support industrial visits and live projects.
- Tentative plan to conduct a joint workshops, webinars on “Emerging Trends in IoT ” in the upcoming semester.

Conclusion

The industry visit to two company was highly productive, opening promising avenues for collaboration in research, training, and innovation. It provided valuable insights into current industry trends and reaffirmed the importance of bridging the gap between academia and industry.

I would like to thank the management for the opportunity given.