



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

RESEARCH LABORATORY (Intel Intelligent Systems Laboratory)

Lab incharge : Mr.S.Mohanraj

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OVERVIEW

Intel Technology India Private Limited has bet more than a few chips on India. The world's largest semiconductor maker has established its largest non-manufacturing division outside of the US, in Bangalore called the Intel India Development Centre (IIDC), the division develops hardware and software, sales, and supply chain applications for Intel's lineup. It plays a key role in Intel's mobility and enterprise products as well as in R&D for power efficiency, Tera scale CPUs, and health solutions. Through a World Ahead Program, Intel Technology India also works to push the adoption of information and communication technologies in rural community schools, healthcare, businesses, and government. Intel's investment in India tops \$1.7 billion. Intel has a program known as Intel College Excellence program under which Foundation for Innovation and Collaborative Education (FICE), an Intel approved vendor, may conduct workshops on Intel Embedded systems and set up state of the art labs based on Intel Architecture at various higher education institutes. Our institute agrees with Intel to collaborate in the program and engage with FICE. This made us to set up an Intel Intelligent Systems Laboratory in the department of ECE. Lab systems are equipped with Hardware Tool Suite (Intel Galileo board with peripherals). Several contests and other collaboration opportunities are enabled. Interested final year ECE students doing their projects with Intel Galileo board.

The area of laboratory is 56.57Sq.M



Snapshot of Intel intelligent system laboratory & research and development cell



OBJECTIVE

- To fine-tune software and core skills of our students
- To create numerous certified professionals with competitive skills which are mandatory for industries.

LAB ACHIEVEMENTS

- **Second place** in FICE rapid prototyping camp conducted by M.S.Ramaiya Institute of technology, Bangalore
- **Best Stellar Idea Award** in INTEL INNOVATION FESTIVAL conducted by INTEL at IISE, Bangalore
- **Mentor Recommendation Popularity Award** in INTEL INNOVATION FESTIVAL conducted by INTEL at IISE, Bangalore
- Two teams of 30 teams among 120 teams shortlisted for Smart Village Accelerator conducted by University of California, Berkeley at Andhra University, Vishakhapatnam
- **Most Recommended and Special Mentioned Award** for the contribution to Smart City-Coimbatore

FACILITIES AVAILABLE

- INTEL Galileo Gen – 2 Boards
- GSM Module
- Sensor Set (24 Types)
- Centrino Wifi Shield
- MCU – 6050
- Personnel Computers

OUTCOMES

- Our students are doing projects using the Intel boards in following domains like Agriculture, Baby Caring and Monitoring, Automobile and Transportation, People Rescue and Digital EB Assist.