# ECE QUEST

## (A Bi-annual Technical Magazine)

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# PSCMR

## College of Engineering and Technology

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# About the Department

The Department of **Electronics and Communications Engineering** envisions the E.C.E graduate as a competent and ethical professional in the areas of electronics, communications, and digital signal processing. The Department of Electronics and Communication Engineering is established in **2008.** It offers B.Tech programme with a student intake of **120**.

# Vision:

To be a leading center for education and research in electronics and communication engineering, making the students adaptable to contemporary technologies with sound knowledge and socio-ethical values in an integrated learning environment.

# Mission:

- **M1:** To produce knowledgeable and technologically competent engineers for providing services to the society.

- **M2**: To have a collaboration with leading academic, industrial and research organizations for promoting research activities among faculty and students.

- **M3:** To create a unified learning environment for sustained growth in electronics and communication engineering and related areas.

# PSO'S

- **PSO1:** The ECE Graduates will be equipped with knowledge of complete design flow from specification to silicon in areas of both digital and analog VLSI Design and will be able to work in IC design companies.

- **PSO2:** The ECE Graduates will be trained with microprocessor and microcontroller based system design skills and can work as design and verification engineers in the area of embedded systems design.

- **PSO3:** The ECE Graduates will be able to apply engineering knowledge for design and implementation of projects pertaining to signal processing and communications.

- **PSO4:** The ECE Graduates will be incorporated with necessary soft skills, Aptitude and technical skills to work in it and public sector.

# PEO'S

- **PEO1: Engineering Foundation**

To produce graduates with firm foundation in electronics and communication engineering.

- **PEO2: Core Competence**

To motivate graduates to Analyze, Design, Develop, Optimize and implement electronic systems with competent spirit.

- **PEO3: Breadth Knowledge**

To enable graduates with sufficient breadth in electronics and its related fields to solve general engineering problems in an eco-friendly environment.

- **PEO4: Soft Skills**

To make graduates with a professional outlook who can communicate effectively and interact responsibly with colleagues, Clients, Employers and society.
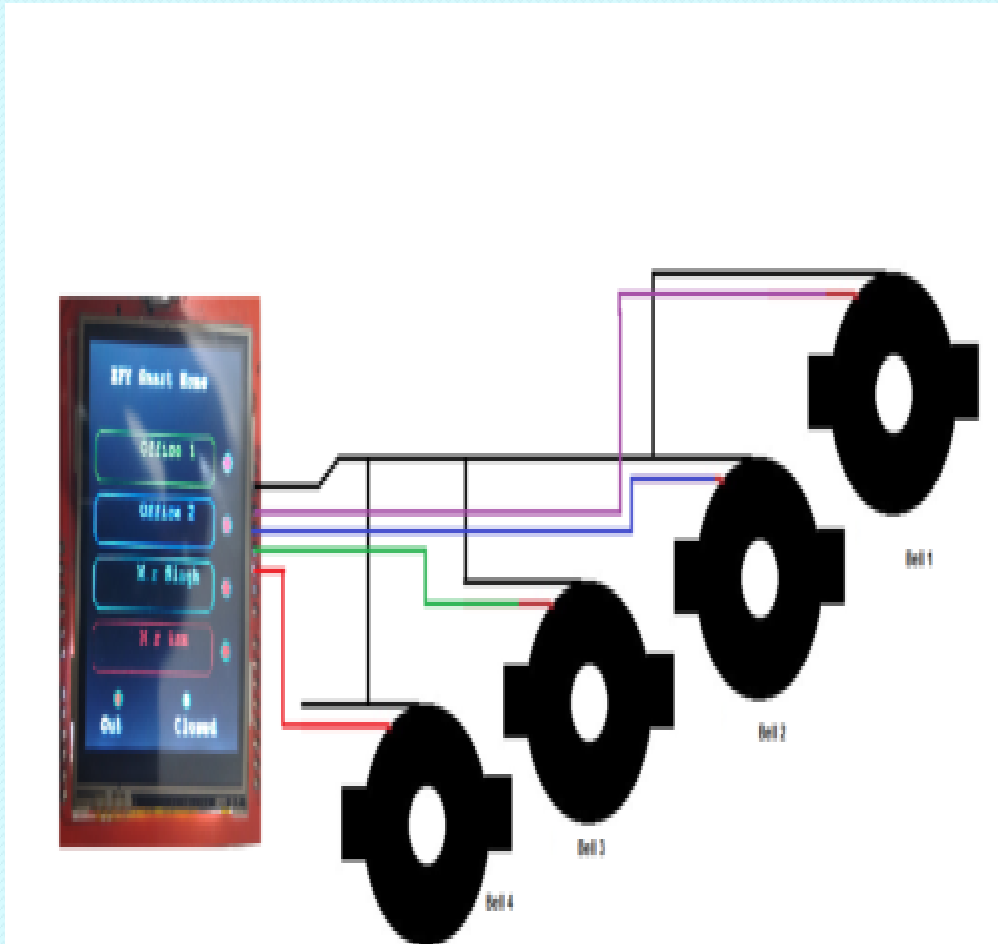
- **PEO5: Knowledge Enhancement**

To prepare graduates who pursue lifelong learning and professional development including higher education.

# Do it yourself

Smart Touch Display Multi-Door Doorbell System

Technology is advancing daily and everything is turning smarter. A number of traditional devices that we used at our homes are becoming smarter now, including the doorbells which are also evolving with new features and styles. Today you will find many fancy doorbells in the market with touch switch system, but they are very costly to set up and everybody can't afford to have it.

# Circuit Diagram

# Scientist of the year

- Ralph Hartley

- Ralph Vinton Lyon Hartley was an electronics researcher. He invented the Hartley oscillator and the Hartley transform, and contributed to the foundations of information theory

# Important Websites

- **[The Ultimate Health Food Guide](#)**
- **[WebMD.com](#)**
- **[TheBookPond.com](#)**
- **[Gumtree.com](#)**
- **[Mint.com](#)**

Latest Telecom Technology workshop conducted during 2018-19



**Events**