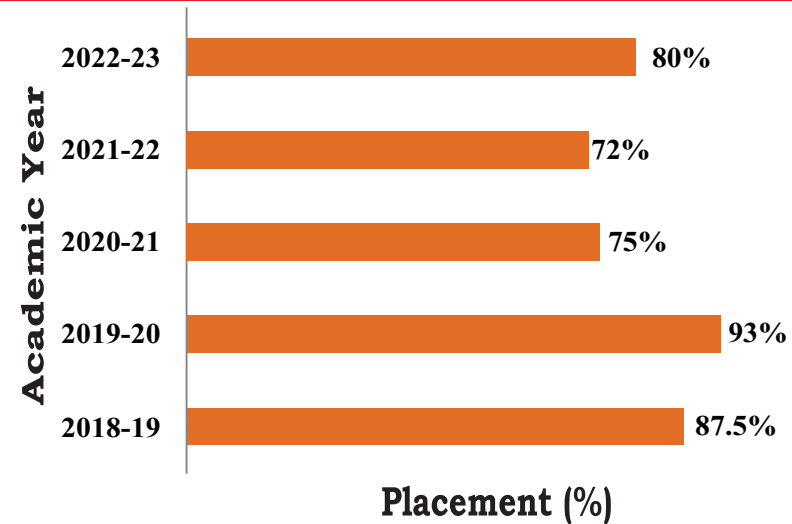


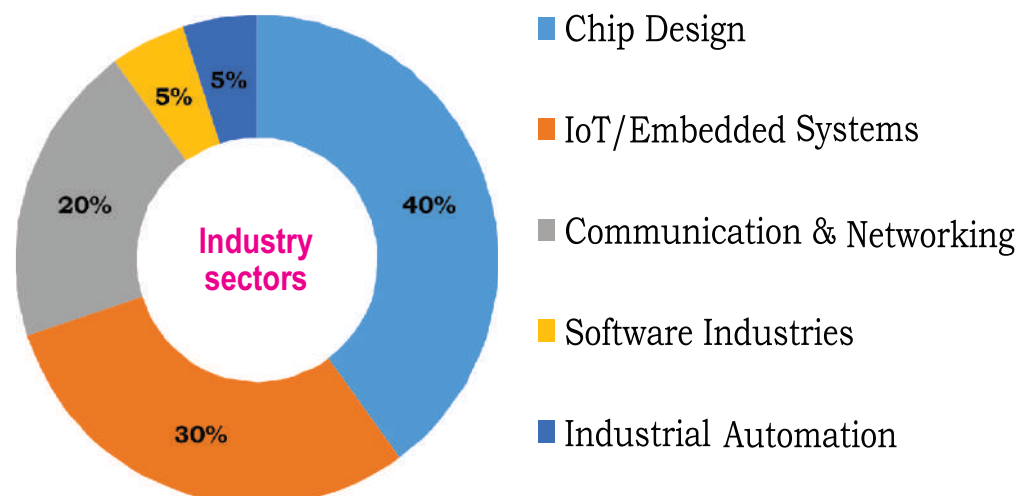
## Placement Statistics



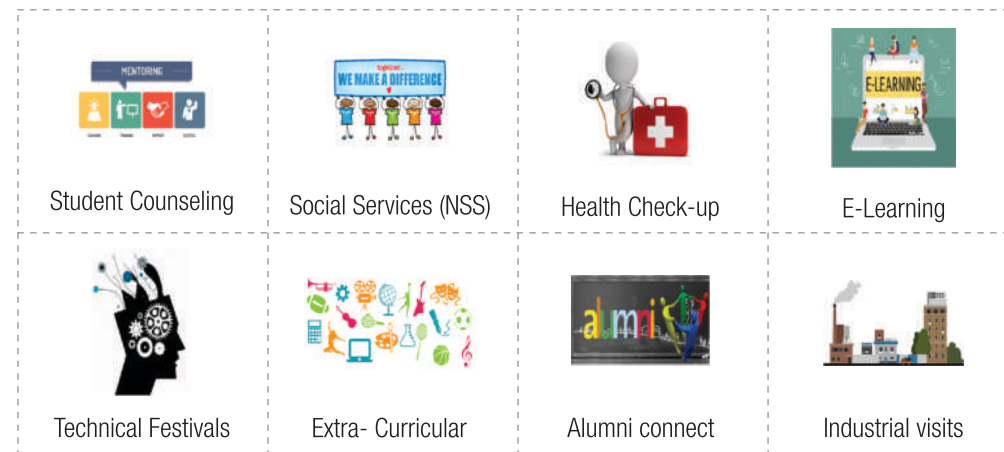
## Major Recruiters



## Job Sectors



## Student Activities



## International Student Exposure



20+ Nationalities on Campus  
250+ International Students

## Research Collaboration

To initiate and foster research in Space Technology, Charusat Space Research and Technology Center (CSRTC) has been established which is a sister branch of Electronics and Communication Engineering, CHARUSAT. CSRTC has collaborations with leading agencies of India.



## Faculty Strength

Designation	Human Resources	Designation	Human Resources
Professor	2	Assistant Professor	7
Associate Professor	7	Lab Technician	3



Brochure

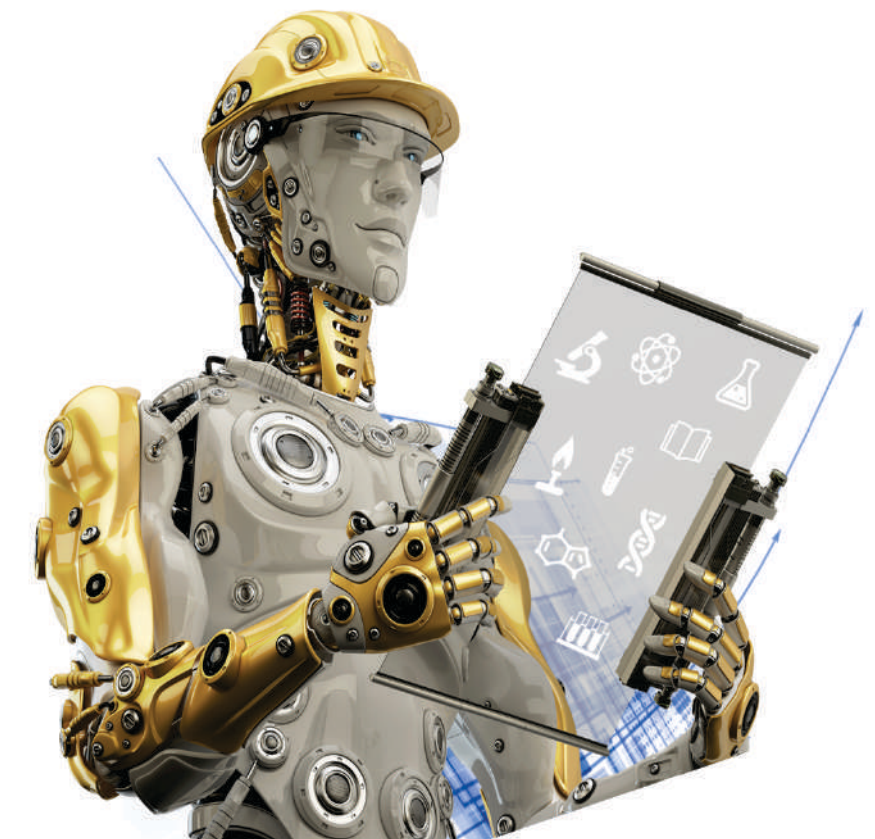


Admission Inquiry Form

V. T. Patel Department of Electronics and Communication Engineering

Charotar University of Science and Technology,  
CHARUSAT Campus, Changa, Taluka: Petlad, Dist: Anand, Gujarat (India) 388 421

+91 - 2697- 265061 info@charusat.ac.in www.charusat.ac.in Ec Cspit Charusat ec\_charusat  
hod.ec@charusat.ac.in



# EC

(Electronics and Communication Engineering)  
Bachelor of Technology

-: Minor Specialization :-

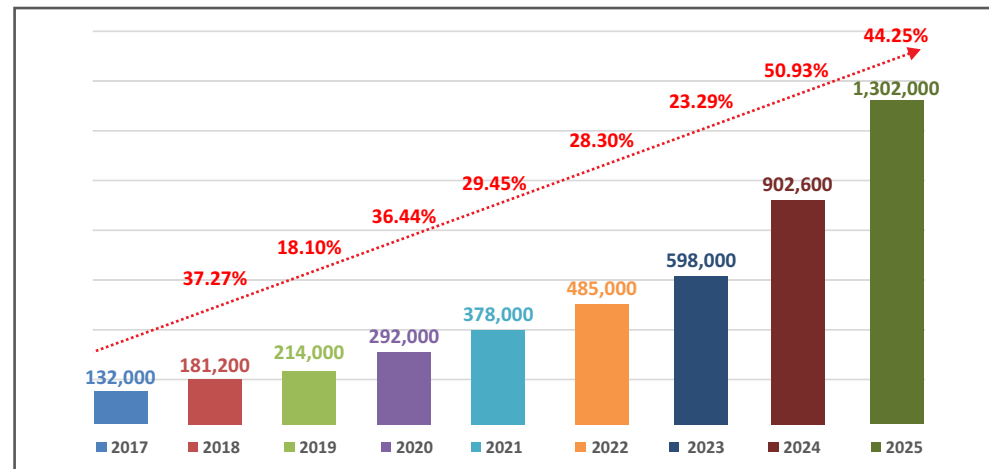
- Robotics and Internet of Things
- Data Science



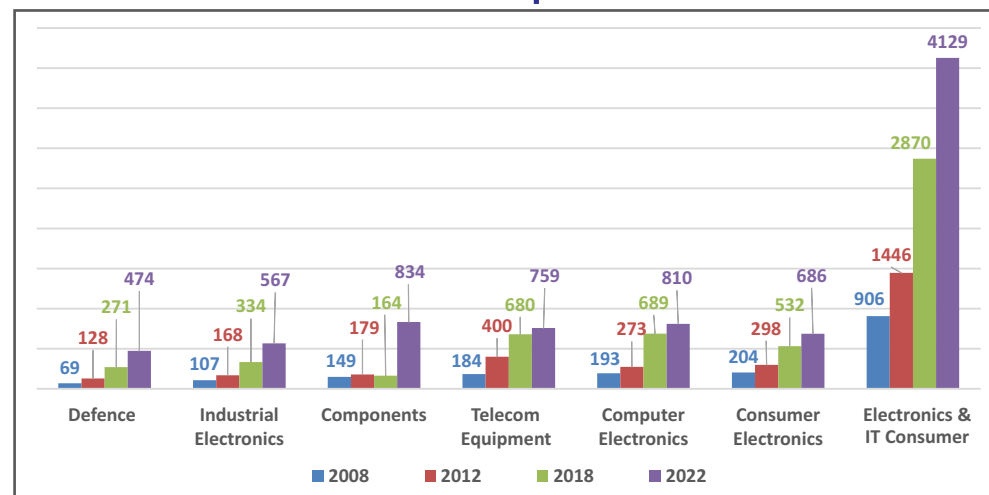
## Rise of Sector

### Indian Electronics Production Forecast (2017-2025)

Production (in INR Crores)



### Incremental Human Resource Requirement in Different Sectors



### Prominent Alumni



**Ashish Talati**  
Deputy Director,  
Qualcomm, USA



**Harshita Joshi**  
Senior Design Engineer,  
Infineon Semiconductors, Germany



**Chetna Yadav**  
Deputy Manager,  
MG Motors, India

## Laboratory Facilities

The department is enriched with 14 hi-tech software and hardware laboratories where students can develop their logic and real time systems to meet the industry expectations.



### Robotics Laboratory

Department has an excellent robotics laboratory. Various application based robots are available such as Fire bird V, Humanoid robot and Quad copter. Students get motivated to explore various applications on robotics platform.

### Simulation Lab

The Department has six dedicated computer laboratories having high configuration PCs. Department has Industry ready software such as Cadence, HFSS, MATLAB, Keil, Proteus, CST, Xilinx.

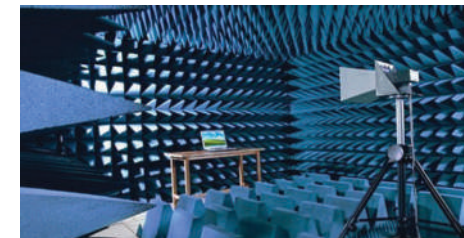


### Antenna and Microwave Laboratory

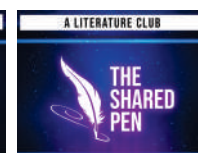
The Antenna and Microwave Research lab is focused on applied electromagnetics with emphasis on antenna-based front-end subsystems.

### Fabrication and Measurement Laboratory

The lab houses an Anechoic chamber, Vector Network Analyzer and fabrication machine to carry out antenna fabrication along with measurement of antenna characteristics.



## Professional Activities



## Industry Oriented Curriculum

### Choice Based Credit System (CBCS)

The CBCS provides opportunities for students to select courses from other branches as per the interest. These preferences ensure flexibility in learning process. CBCS offers core courses and electives in form of program elective, institute elective, cluster elective and university elective courses to enrich the freedom of courses selection.

#### CORE COURSES

- **Semiconductor Domain**
  - VLSI Design
  - Verilog and System Verilog Programming
  - Perl Scripting language
- **Embedded Domain**
  - Embedded System
  - Embedded Linux
  - Python Programming
  - Internet of Things (IoT)
- **Programming Domain**
  - MATLAB Programming
  - C and C++ Programming
  - Arduino Programming
- **Communication Domain**
  - Digital Signal Processing
  - Image and Video Processing
  - Mobile and Satellite Communication
  - RF and Microwave Engineering
  - Digital Communication
  - Data Communication and Networking

#### ELECTIVE COURSES

- **Programming Domain**
  - Machine Learning
  - Artificial Intelligence
  - Cloud Computing
  - Java Programming
  - Cyber Security
  - Web Designing
  - Mobile Application Development
  - Mathematics for Data Science
  - Exploratory Data Analysis
- **Management Domain**
  - Project Management
  - Human Value & Professional Ethics
  - Critical Thinking and logic
  - Creativity, Problem Solving and Innovation
  - Ethics in Engineering Practice

### Prominent Alumni



**Vatsal Maniar**  
Entrepreneur, VP(Sales),  
SSC Control Pvt. Ltd, India



**Karna Gajab**  
Silicon Engineer,  
Google, USA



**Dipak Zala**  
Indian Revenue Services (IRS),  
India

## Endowment Activities



**Dr. Arokiaswami Alphones**  
Nanyang Technological University (NTU), Singapore



**Dr. Merih Palandoken**  
Izmir Katip Celebi University, Turkey



**Dr. Levent Sevgi**  
University of OKAN, Turkey



**Dr. Cynthia Furse**  
University of Utah, USA



**Dr. Emil Bjornson**  
KTH Royal Institute of Technology, Sweden



**Dr. Truong Khang Nguyen**  
Ton Duc Thang University, Vietnam