

Programs offered by ECE department

- **Bachelor of Engineering in Electronics and Communication**

Year of Inception: 2000

Approved Intake: 60

- **Master of Engineering in Signal Processing and Communication**

Year of Inception: 2011

Approved Intake: 18

Lab Facilities



Student Counseling System

- Excellent counseling and academic follow up system.
- One faculty advisor remains in touch with a group of students and their parents for the entire course of study.

Student's Feedback

Good infrastructure and best laboratory facilities with all kinds of equipment available. Supportive faculties and staff. Provides good platform for innovative ideas and projects.

Charmi Patel (2012 Batch)



I would like to express my deep sense of gratitude to the principal, HOD and all the faculties of EC department for their dedication in sculpting our future. The faculties used to stay back even after the sessions to clear our doubts. They encouraged and guided us whenever needed. Today we stand firm in the outside world only because of them. I take pride for belonging to such an institution.

Akshay Kiran (2013 Batch)



At ADIT we were taught everything related to our subjects in a proper and detailed manner. The efforts taken by all our faculties were commendable and the dedication practiced by them has also taught us a manner to lead our lives. The placement team has also done an excellent job and put in efforts to get interested students placed in their respective domain. I am greatly thankful to all the faculties, staff and all my colleagues who have been an invaluable source of knowledge to me.

Simeen Khan (2014 Batch - PG)



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"There is nothing in the world equal in purity to knowledge"



Department of Electronics & Communication Engineering

A. D. Patel Institute of Technology

(A Charutar Vidya Mandal Institution)

An ISO 9001:2015 Certified Institute



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About Electronics and Communication

The two words “Electronics” and “Communication” are integral part of our daily life: communication is a basic medium to share information, and knowledge and we use several electronic devices including mobile phones, laptops, washing machines, refrigerators and many more.

Electronics also plays a vital role in boosting the production and throughput in key sectors of the economy, whether it relates to process industries, infrastructure, or communication. Due to these reasons, electronics industry is the largest and fastest growing manufacturing industry in the world. The demand in Indian market itself is expected to reach USD 400 Billion by 2020. With the vision to transforming India into a global hub for electronic system design and manufacturing (ESDM), Government of India has approved National Policy on Electronics launched in 2012 (NPE-12). Under this policy, government has launched the flagship programs like Digital India and Make in India which will lead to large number of job opportunities. Some of the illustrative pillars of Digital India campaign are broadband highways, universal access to mobile connectivity, electronics manufacturing and e-Kranti.

Government of India has also envisioned a Trillion Dollar Digital Economy. Electronics and telecom industry is expected to contribute 450 Billion dollar by 2024-25 (Source: e-newsletter, digital India, April-June 2017). It is projected that the digital economy will generate 30 million employments by 2024-25, which is double than the current scenario. Further, Electronics and Telecom sectors would be the top two contributors with 8.9 million and 8.8 million jobs respectively.

Industrial Visit



About Department

Vision: Nurturing excellence in Electronics and Communication Engineering through innovative, rational and ethical thinking.

Mission:

- To impart quality education through fundamental theory and praxis in Electronics and Communication Engineering.
- To provide conducive learning environment for holistic development.

Distinguished Educators

The department has highly qualified and experienced teachers with 12 years of average teaching experience.

Ph.D.	06
Ph. D. (Pursuing)	04
M. E. / M. Tech.	06

Infrastructure

- Enriched class rooms and audio visual facility with modern teaching aids.
- Well equipped and state-of-the-art laboratories worth Rs. 2.6 crore.
- Separate department library enriched with reference books, project reports and theses.

Research and Consultancy

- NI LabVIEW certification and license to run LabVIEW Academy.
- Research project funding worth Rs. 5,89,000/- from GUJCOST, Gandhinagar.

Interaction with Industrial Experts

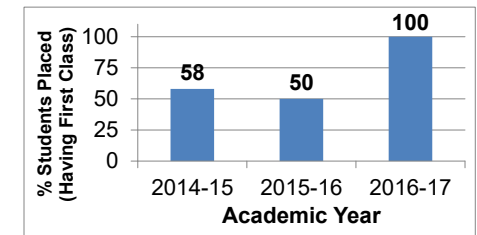


- MODROB grant worth Rs. 6,45,000/- from AICTE for Communication Engineering laboratory.
- CROMA Research Center for Research in the areas of Optical Communication, Microwave engineering and Antenna design.
- 150+ research publications in national/international journals and conferences.

Holistic Development

- Conduction of the personality development classes and mock interviews for all round grooming of students.
- Mentoring of IEEE student Branch activities and Women Empowerment Cell activities.
- Regular organization of industrial visits and internships for exposure to modern technologies.
- Continuous interaction with industries and other leading academic institutes to make students competitive through knowledge transfer.

Placements



- 20 companies visit the institute for placements.
- More than 76% of eligible students have already been recruited in the current academic year (2017-18). Around 20% students have opted for higher education.

