

# Electronics & Communication Engineering

## DEPARTMENT PROFILE

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Electronics & Communication Engineering Department of S. N. Patel Institute of technology and research Centre, Umrah is functioning since 2008. The Department, headed by well qualified team of Assistant Professors who are experts in their own disciplines, aims at educating and training students with sound knowledge and awareness in the latest trends in Electronics & Communication.

The Department has an ardent ambiance to channelize the effort of students and enhance their technical skills. The department courses are composed of subjects giving extensive coverage to basic principles and exposing students to both theoretical concepts and practical aspects. Electronics & Communication Engg. Department also runs Post Graduation Course (M.E.) in Signal Processing and Communication under the affiliation of Gujarat Technological University.

**FACULTY DETAILS:**

Sr. No.	Name	Designation	Qualification	Teaching Experience	No. of Paper Published
1	Prof. Vipul H. Mistry	H.O.D & Assistant Professor	Ph.D. (Pursuing), M.Tech. (Communication System)	8 years	8
2	Prof. Jainish Rana	Assistant Professor	M.E. (Industrial Electronics)	10.25 years	3
3	Prof. Salman Bombaywala	Assistant Professor	Ph.D. (Pursuing), M.Tech. (Communication System)	7.5 years	9
4	Prof. Dhiraj Patel	Assistant Professor	M.E. (Electronics and telecommunications)	5.5 years	11
5	Prof. Zaid Shaikhji	Assistant Professor	M.E. (Electronics and telecommunications)	4 years	2
6	Prof. Virang Patel	Assistant Professor	M.Tech. (Communication System)	6 years	2
7	Prof. Himani Bhatt	Assistant Professor	M.E. (Communication Systems)	6 years	3
8	Prof. Mayank Patel	Assistant Professor	M.Tech. (Communication System Engineering)	4.75 years	1
9	Prof. Hiren Tailor	Assistant Professor	M.E. (Wireless Communication Systems and Networks)	4.67 years	5

## DEPARTMENT ACHIEVEMENTS:

Student Achievements:
Nikunj P Patel won gold medal at 4th Invitational Gujarat State Boxing Championship-2016
Dhaval Panchal Secured 2nd position in classical instrumental solo event xitig 2015 held at SNPIT&RC,Umrakh
Parthkumar J Patel Student attended international experience program at Kansas State University, USA in 2015
Parthkumar J Patel Won 1st prize in Landscap Photography in CLIC-O-HOLI event on march 2015 at CKPCET, Surat
Ankit Ghevariya and Kevalkumar Patel Secured 2nd position in robo line follower event in GTU techfest held at sarvajanic college of engg & tech feb 2015.
Miss Nisha D. Pandya has secured 1st rank with 10 SPI all over Gujarat under SPI Wise Topper Category in GTU Semester 8 Examination held in Summer 2015.
Mr. Dhaval Panchal has secured 2nd position in Classical Instrument event in 4th youth festival of GTU "Xitij-2014" at SCET, Surat.
Divyesh Modi, Sagar Panchal, Patel Raj, Jigar Ahir have secured 1st position in "ROBO-FUNLAND" event in 'ANVANSON'14" at Dr. S. S. Ghandhy Government Engineering College, SURAT.
Divyesh Modi, Sagar Panchal, Patel Raj, Jigar Ahir have secured 2nd position in "Dangerous Disaster" event in "ANVANTION'14" at Dr. S. S. Ghandhy Government Engineering College, SURAT.
Miss Nisha D. Pandya has secured 3rd rank all over Gujarat under SPI Wise Topper Category in GTU Semester 6 Examination held in Summer 2014.
Miss Nisha D. Pandya has secured 1st rank at zonal level in ISTE- Srinivasa Ramanujan Mathematical Competitive Examination 2013-2014 conducted by ISTE

### Faculty Achievements:

Prof. Hirenkumar A Tailor obtained M.E. Gold Medal in wireless communication system and networks with 9.16 CPI

Prof. Vinesh N Kapadia won the Best ISTE chapter chairman award at national level in 2015

More than 20 research paper in international conferences and journals were published by students and faculties of EC Department in the year 2015-2016

The EC Department of SNPIT RC, UMRAXH has setup research lab “A2COE – ATMEL ARK CENTER OF EXCELLENCE” under “ATMEL UNIVERSITY PROGRAM, INDIA” since MARCH 2014 where, students can work on fastest growing field of Embedded System and Robotics.

The EC department is responsible for bringing and establishment of “Remote centre of IIT Bombay/Kharagpur” at SNPIT & RC for improvement of quality of Faculty.

The EC department is responsible for successfully conduction of more than 15 workshops at SNPIT & RC remote centre conducted by IITs.

Department successfully completed consultancy services with the following industries:  
Silicon Art, Pvt. Ltd.,  
Surat. Drivz, Navasari.

## LABORATORY INFRASTRUCTURE:

### Antenna & Wave Propagation Lab



### Audio Video Lab



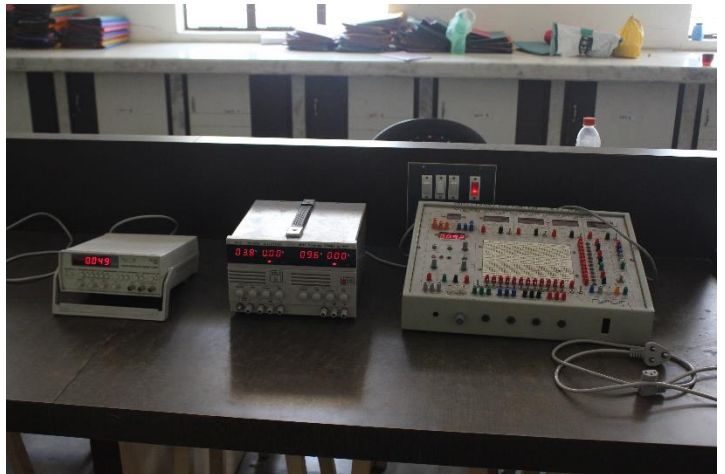
### Communication Lab



### Computer Programming & Simulation Lab



### EDC Lab



**Project Lab**



**Tutorial Room**



**Digital Electronics & Microprocessor Lab**

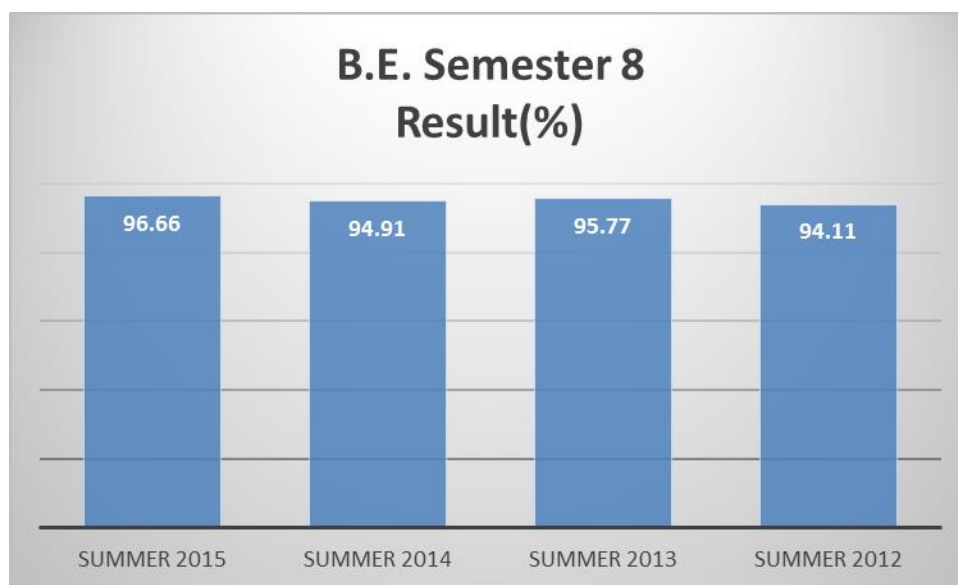
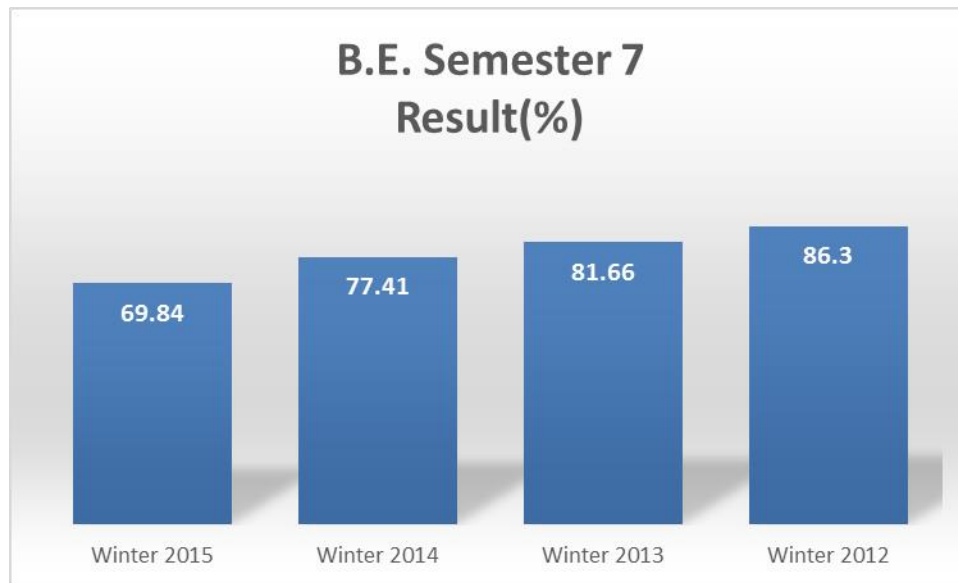


## WORKSHOPS AND STTPS:

Sr. No.	Training Program	Topic	In Association With	Duration
1	ISTE Workshop	Signal and System	IIT Kharagpur	Two Week
2	ISTE Workshop	Analog Electronics	IIT Kharagpur	Two Week
3	Workshop	Akash For Education	IIT Bombay	2 Days
4	ISTE Workshop	Introduction to Research Methodologies	IIT Bombay	Two Week
5	Workshop	Introduction to Verilog HDL	-	2 days
6	Workshop	Akash Android Programming Workshop	IIT Bombay	4 days

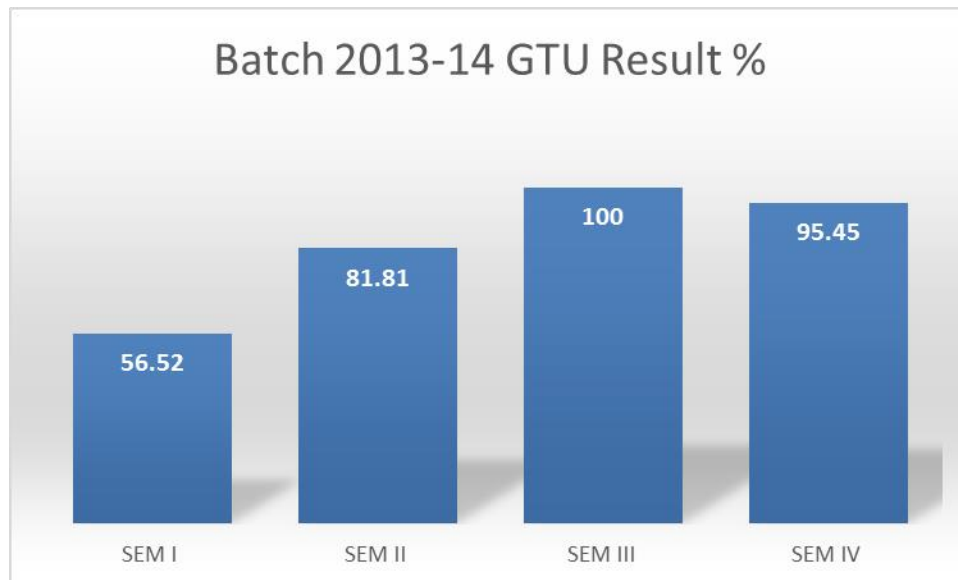
## RESULT ANALYSIS:

B.E. (Electronics & Communication Engineering)

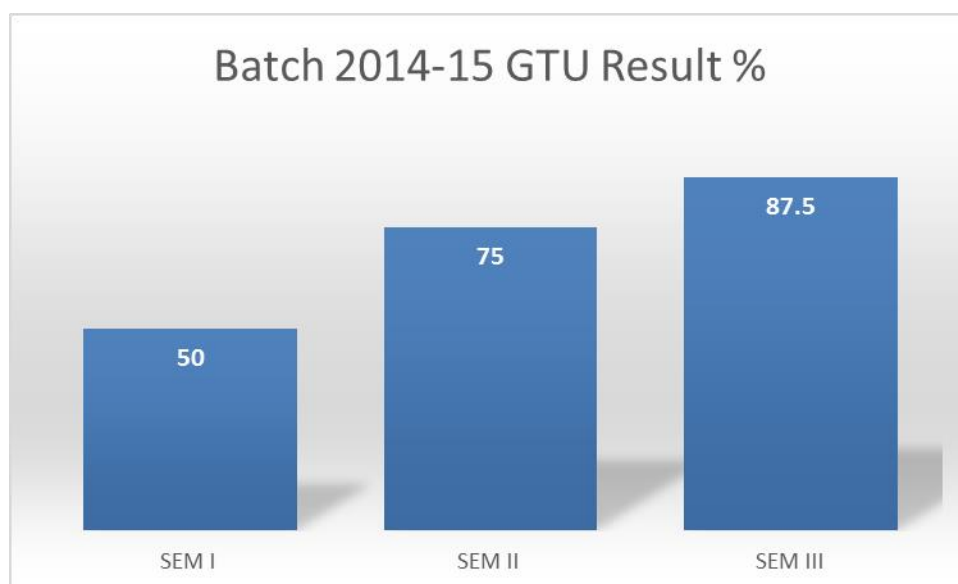


## M.E. (SIGNAL PROCESSING & COMMUNICATION)

BATCH 2013-14 Results























Batch 2014-15 Results







## TRAINING AND PLACEMENT ACTIVITIES

### Placements (2015-16):

Sr. No.	Photo	Student Name	Selected in company	Salary Package per annum	Logo	Location
1		Ghevariya Ankit	MEMIGHTY Tech Inventions & Consultancy Services.	1.2 lacs – 1.5 lacs		Surat
2		Parmar Hemanshu	Irfan Modi Corporation Pvt. Ltd.	1.2 lacs		Surat
3		Pankhaniya Siddharth	Irfan Modi Corporation Pvt. Ltd.	1.2 lacs		Surat
4		Pankhaniya Siddharth	Micromax India Pvt. Ltd.	1.8 lacs		Delhi

5		Desai Nima	Micromax India Pvt. Ltd.	1.8lacs		Delhi
6		Desai Nima	HCL Technologies	2.04 lacs		Delhi
7		Soni Ishant	Micromax India Pvt. Ltd.	1.8 lacs		Delhi
8		Soni Ishant	HCL Technologies	2.04 lacs		Noida
9		Shah Bhaven	Micromax India Pvt. Ltd.	1.8 lacs		Delhi
10		Shah Bhaven	Senior India Pvt. Ltd.	1.8 lacs		Haryana

11		<p><b>Patel Yogesh</b></p>	<p><b>Ideapot Technologies Pvt.Ltd.</b></p>	<p><b>1.2 lacs</b></p>		<p>Noida</p>
12		<p><b>Rana Suryapratap</b></p>	<p><b>Micromax India Pvt. Ltd.</b></p>	<p><b>1.8 lacs</b></p>		<p>Delhi</p>

## PLACEMENT ACTIVITIES (2015-16):

### TITLE: MOCK INTERVIEW

The objective of MOCK INTERVIEW was to motivate the students for the upcoming interview. Over 60 students from Electronics and Communication Engineering faced interview. In interview students were guided, for how to give a good interview and more over to make students aware about interview skills and soft skill which are highly expected from the student at the time of interview.

SNPIT&RC believes in creating awareness and helping students in every aspect of their life. With regard to the same, the above interview was arranged for the students benefit.



## TITLE: SEMINAR ON MOTIVATION

The objective of seminar was to motivate the students for the upcoming corporate life. Over 160 students from Electronics and Communication Engineering and Electrical Engineering actively attended the seminar. In seminar information related to motivate the students were communicated. Students were made aware about the different people who were industrialist, celebrity, and people who are example for motivation to students.

SNPIT&RC believes in creating awareness and helping students in every aspect of their life. With regard to the same, the above seminar was arranged for the students benefit.



## SEMINAR ON EMBEDDED SYSTEMS: THE FUTURE OF TECHNOLOGIES

Seminar for B.E IV<sup>th</sup> year students, which were conducted by Appin Technologies Lab, Surat was arranged. The objective of seminar was to spread the awareness of scope and future of embedded systems amongst the students and faculties. A total of 124 students of pre-final year from Electronics and Communication Engineering and Electrical Engineering actively attended the seminar. In seminar information related to the scope of research and innovations with embedded system was presented. The seminar motivated students to carry out their project and career in the direction of embedded systems. The futuristic videos and current technologies made the seminar interesting and knowledgeable.

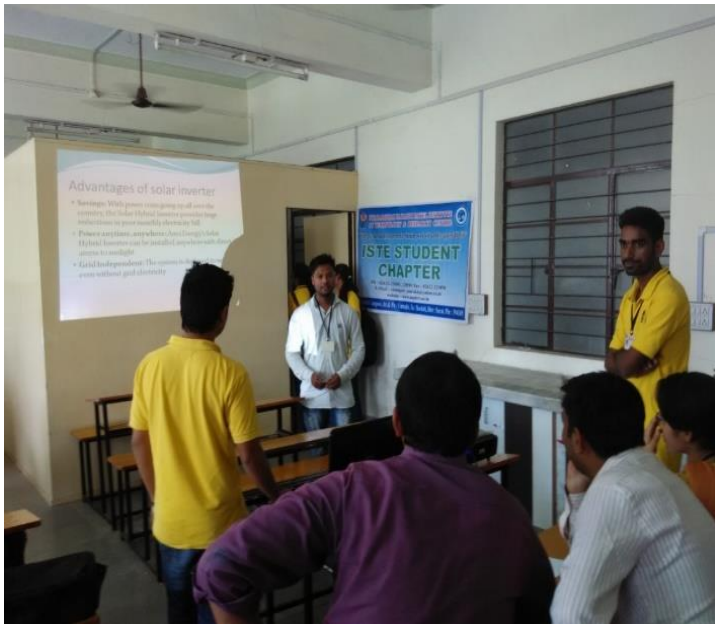
SNPIT&RC believes in creating awareness and helping students in every aspect of their life. With regard to the same, the seminar about scope and career options in embedded system was arranged for the students benefit.



## PROJECT EXHIBITION: FINAL YEAR

EC Department arranged Project Exhibition for B.E IV<sup>th</sup> year students, in which Project presentation was delivered by students. This is very fruit full for students to get prepared for their final project presentation. Each student was given a chance to explain the part of project in detail and Questions were raised by assigned faculty for each group.

SNPIT&RC believes in creating awareness and helping students in every aspect of their life. With regard to the same, the above seminar was arranged for the students benefit.



## INDUSTRIAL TRAINING:

Sr. No.	Company Name	No. of Students	Place
1	ABG Shipyard	4	Surat
2	Airtel Bharti Ltd.	1	Surat
3	Alok Industries Ltd.	2	Silvassa
4	Andritz Hydro Pvt. Ltd.	1	Bhopal
5	BASF India Ltd.	3	Ankleshwar
6	Bombardier Inc.	2	Vadodara
7	BSNL	9	Surat/Navsari
8	Dynamic Itech	4	Surat
9	ELECON Engg. Ltd.	1	Anand
10	Enercon India Ltd.	5	Daman
11	ESSAR Pvt. Ltd.	5	Surat
12	ESSAR Steel Ltd.	1	Surat
13	Fineline Circuit Company	2	Vadodara
14	GEB, Vadodra	2	Vadodara
15	Genus Electrotech Pvt. Ltd.	3	Gandhidham
16	Godrej Industries Ltd.	1	Bharuch
17	L&T Ltd.	6	Surat
18	Laser SOS Pvt. Ltd.	9	Surat
19	Lupin Ltd.	1	Ankleshwar
20	Matrix telecom	1	Vadodara
21	Nuclear Thermal Power Plant	5	Kakrapar
22	ONGC	1	Ankleshwar
23	Reliance Industries Ltd.	4	Surat
24	Sai Technologies	3	Vadodara
25	Sangam Electronics	2	Surat
26	SIEMENS	1	Vadodara
27	Sugar Factory, Bardoli	10	Bardoli
28	Torrent Power Ltd.	4	Surat
29	Transit Electronics & Geo Integrator Pvt. Ltd.	2	Surat
30	Ukai Thermal Power Station	1	Songadh
31	Ultratech Cement Pvt. Ltd.	1	Jafarabad
32	Uniphos Envirotronic Pvt. Ltd.	4	Umbergaon

## INDUSTRIAL VISITS:

Sr. No.	Company Name	No. of Students	Place
1	Sumul Dairy, Surat	53	Surat
2	Sumul Dairy, Surat	66	Surat
3	J.K. Paper Mills, Songadh	48	Songadh
4	NPCIL, Kakrapar	70	Kakrapar
5	L&T, Vadodara	37	Vadodara
6	Bardoli Sugar Factory	45	Bardoli
7	Mota Substation, Bardoli	58	Bardoli

