

# Electrical Engineering

## DEPARTMENT PROFILE

### ABOUT DEPARTMENT

- With the inception of Gujarat Technological University, Sitarambhai Naranji Patel Institute of Technology & Research Centre started Electrical Engineering Department in 2008 with the intake of 60. The current intake of Electrical Engineering Department is 120.
- The department is enriched with latest and well equipped laboratories, machines, software packages and many more facilities to augment quality of teaching learning process.
- Induction of new courses from time to time enables the students to keep abreast of recent technological development. The Department has always strived for excellence and receives grants to develop and modernize its laboratories.
- The Department has strength of 17 Assistant Professors, 2 Lectureres,3 Lab Assistants and 1 Electrician.
- Out of 19 faculties; 17 faculty members have Master Degree in Engineering (ME) & 1 Faculty is pursuing his Ph. D.

## FACULTY DETAILS:

Sr. No.	Name	Designation	Qualification	Teaching Experience	No. of Paper Published
1	Prof. Anil N. Navle	H.O.D & Assistant Professor	M.E.(Electrical Power Engg.)	11 years	2
2	Prof. Devendra N. Tandel	Assistant Professor	M.Tech.(Power Apparatus and System)		9
3	Prof. Suhel S. Saikh	Assistant Professor	Ph.D. Pursuing, M.Tech Electrical (Industrial Electronics)	8 years	5
4	Prof. Janak B. Patel	Assistant Professor	M.Tech(Power System Engineering)	8 years	3
5	Prof. Tejas G. Naik	Assistant Professor	M.Tech (Power Electronics and Power Systems)	7 years	1
6	Prof. Denish A. Prajapati	Assistant Professor	M.E(POWER SYSTEM)	6 years	2
7	Prof. Payal D. Tandel	Assistant Professor	ME(Power Electronics)	7 years	5
8	Prof. Dhruva A. Patel	Assistant Professor	M.E(POWER SYSTEM)	6 years	2
9	Prof. Chirag A. Patel	Assistant Professor	M.Tech ( Power Systems)	5 years	1
10	Prof. Chirag B. Patel	Assistant Professor	M.E.( Power System)	4 years	1
11	Prof. Ashish A. Patel	Assistant Professor	M.Tech ( Power Systems)	4 years	0
12	Prof. Achal B. Mistry	Assistant Professor	M.TECH (ELECTRICAL POWER SYSTEM)	4 years	2
13	Prof. Dilip K. Patel	Assistant Professor	M.E (INDUSTRIAL ELECTRONICS)	3 years	1
14	Prof. Animesh D Tandel	Assistant Professor	M.E(POWER SYSTEM)	2 years	
	Prof. Chitrang V Shah	Assistant Professor	M.E(POWER SYSTEM)	1 years	1
16	Prof. Manish N Parmar	Assistant Professor	M.TECH(POWER SYSTEM)	1 years	0
17	Prof. Pinkle J Bhatt	Assistant Professor	M.E. Electrical (Power Electronics)	3 years	1
18	Prof. Tejas G. Mistry	Lecturer	B.E.(Electrical)	2 years	2
19	Prof. Krushna Gupta	Lecturer	B.E.(Electrical)	2 years	0

## DEPARTMENT ACHIEVEMENTS

STUDENT ACHIEVEMENTS
4th year student Ghughe Pallavi has awarded "BEST STUDENT AWARD 2015" by ISTE Gujarat Section.
Patel Swapnil student of Electrical Engineering Department has secured first rank all over Gujarat in the examination of BE semester 6th and 7th conducted by GTU in May-June 2011.
4th year students Modi Zinal , Patel Khushbu , Patel Chirag , Patel Karan & Patel Vibha from electrical engineering department secured 1st rank in model competition 'Kshitij' national level techfest held at Sarvajanik College of Engineering & Technology, Surat
4th year students Modi Zinal ,Patel Khushbu& 3rd year student Raval Biraj presented a paper in international conference EIOCD-2016 and has secured 1st position in session of electrical engineering department in the international conference.
Department has secured first rank all over Gujarat & achieved 100% result of B.E 3rd year semester 6th in the Examination May-June 2011, conducted by Gujarat Technological university (GTU)
Department has secured third rank all over Gujarat result of B.E 4th year semester 7th in the Examination Nov-Dec 2011, conducted by Gujarat Technological university (GTU)
Two students from Electrical Engineering Department have achieved first rank in all over Gujarat by securing 9.83 SPI in the 8th Semester Examination (Summer 2013) of Gujarat Technological University
Kachhadiya Alpesh has secured 2ndRank in summer 2015 and 3rd Rank in winter 2014 GTU Examination in all over Gujarat
Bhagat Dhrumil secured 1st position in ROBO COMPITION of National level event "KSHITIJ -2013" held at SCET SURAT on 24th -26th feb 2013 & he has secured 2nd position in MODEL PRESENTATION & secured 3rd position in ROBO COMPITION of National level event "INSPIRE-2013" held at C.K. PITHAWALA ENGG. COLLEGE SURAT
Panchal Vikash & Pathan Tanvir secured 1st rank in Poster Presentation event of Visvesmruti 2014 on "Dynamic use of Image Processing" held at Faculty of Engineering Technology & Research Centre, Afwa-isroli, 15th Sept. 2014
Mistry Tejas student of Electrical Engineering Department has secured 8th rank all over Gujarat in the examination of BE semester 7th conducted by GTU

## FACULTY ACHIEVEMENTS

Prof. Tejas G.Mistry has been awarded with Best Paper award in International Conference, EIOCD 2015, held at S.N.P.I.T. & R.C. UMRAXH.

Prof. Tejash G. Naik has completed M. Tech program at IIT Mumbai.

Prof. Shaikh Mo. Suhel & Prof. Devendra N. Tandel presented a research paper on "Design & Analysis of Multipulse converter as a viable solution for Low voltage high current Rectifier" in ICETE at Nitie India.

Prof. Devendra N. Tandel presented a research paper on Simulation of Novel Technique for DC drive for crain application" at International IEEE conference TECHPOS 2009, held at Malaysia.

Prof. Denish A. Prajapati acquired 9.25 SPI in Master of Engineering, summer 2014 GTU Examination.

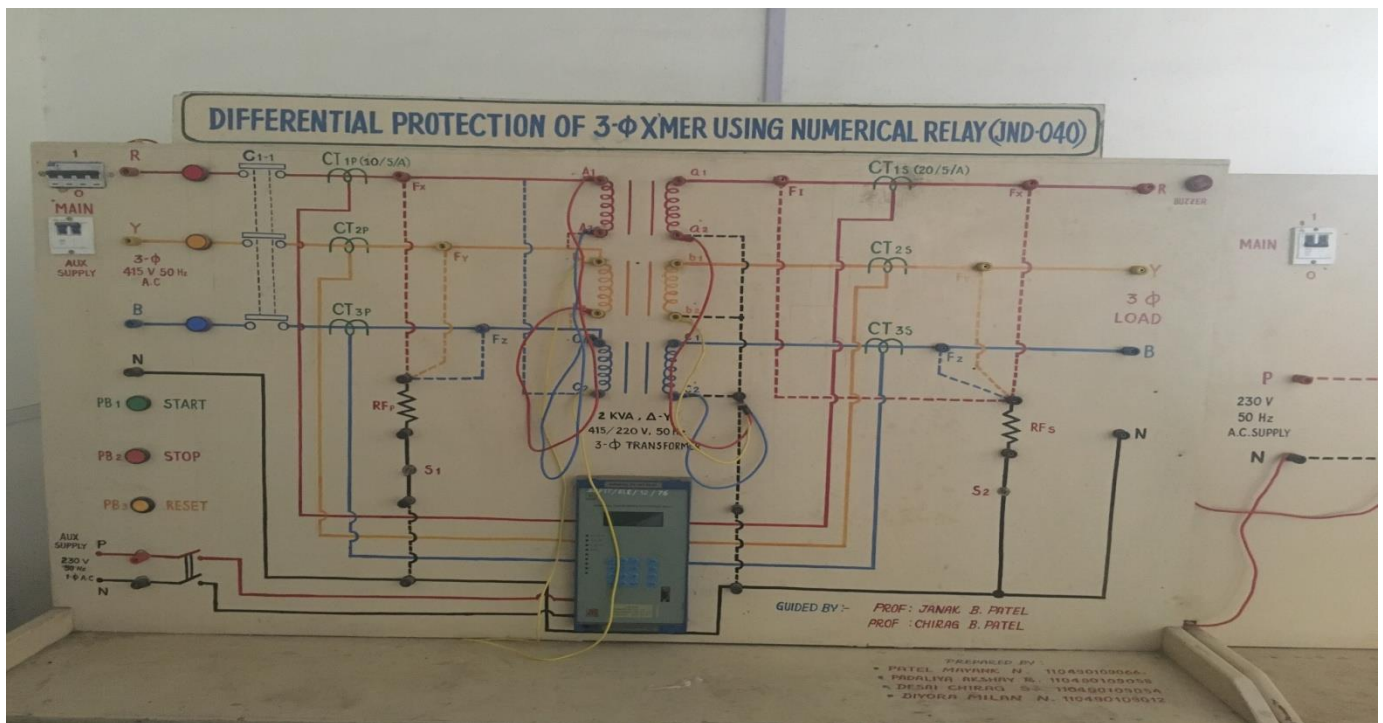
Prof. Chirag A Patel acquired 9.00 SPI in Master of Technology from SVNIT, Surat in summer 2015

Prof. Shaikh Mo.Suhel has been sponsored for doctorate programme.

## LABORATORY INFRASTRUCTURE:



Computer Lab for Power Electronics, Power system analysis



Power system protection lab



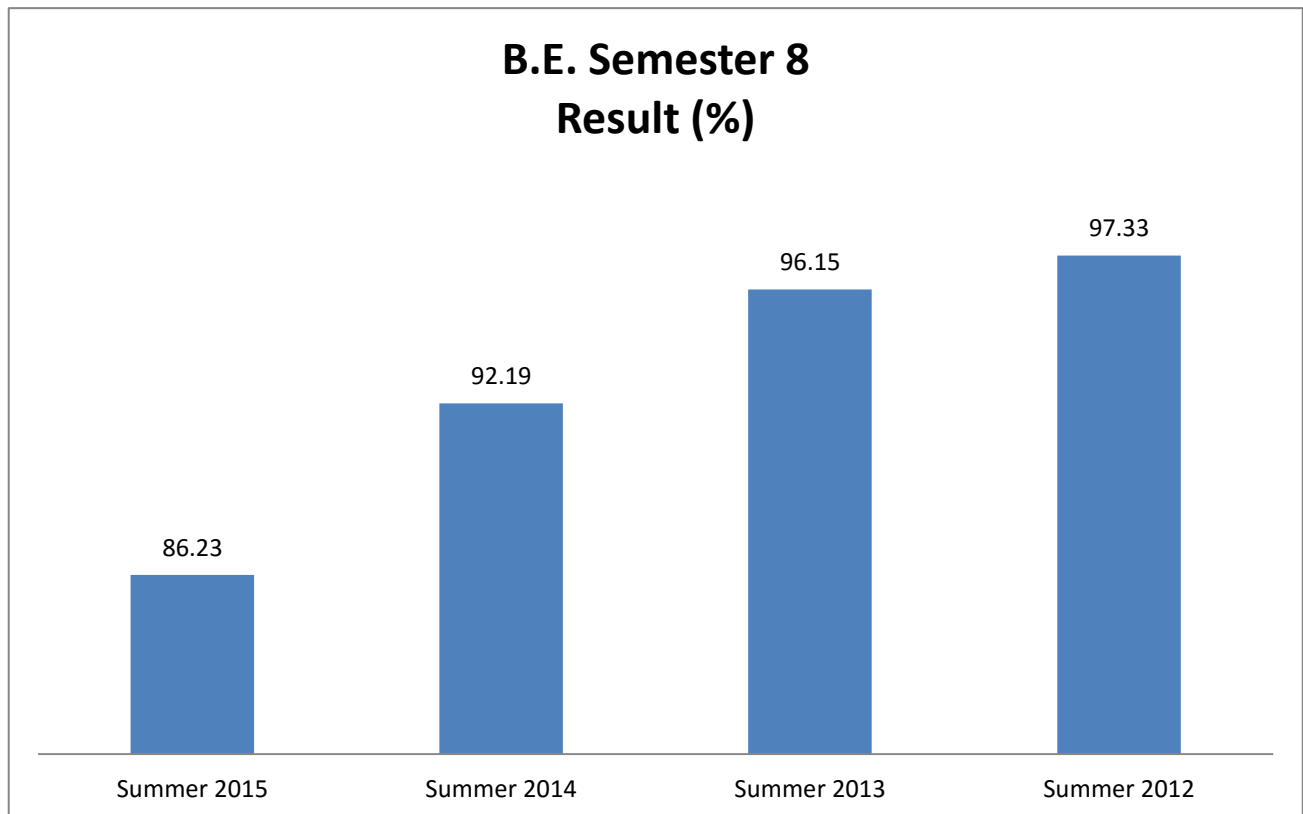
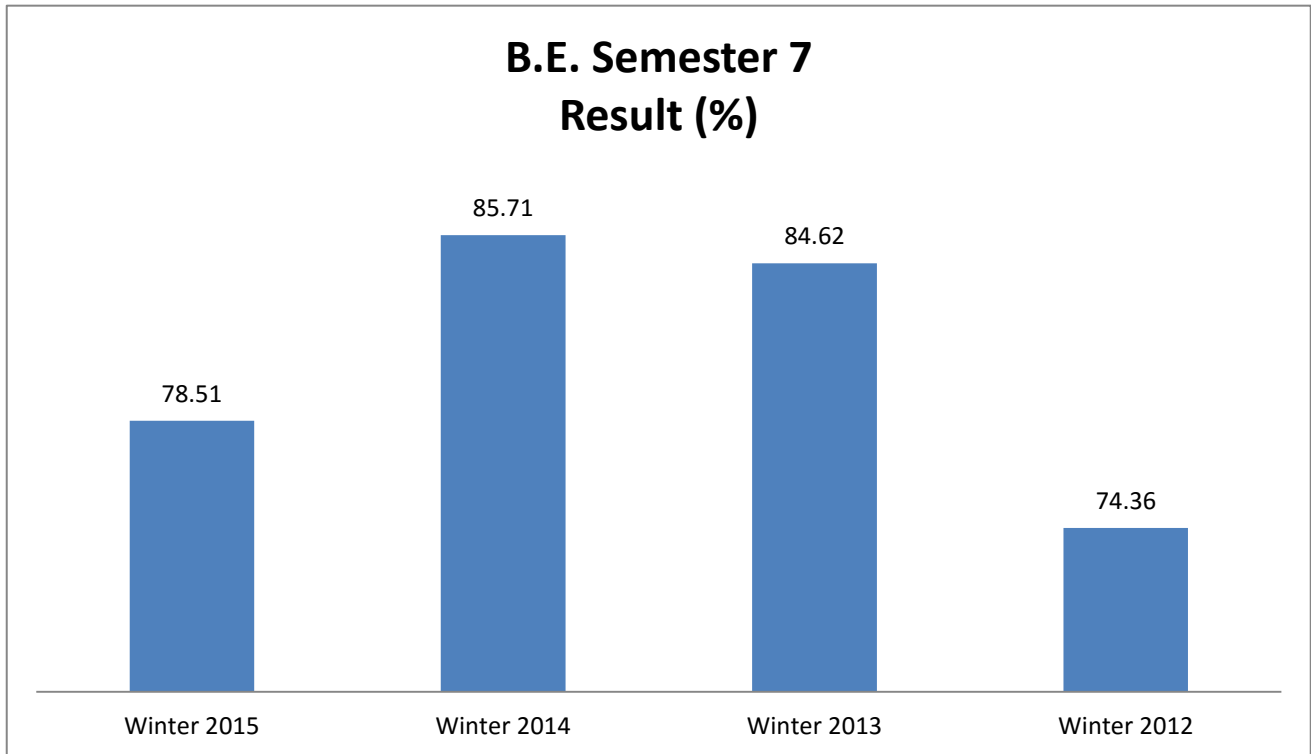
### Electric Machine Lab

### WORKSHOPS AND STTPS:

Sr. No.	Training Program	Topic	In Association With	Duration
1	Training	Software	ATMEL University	10-15 days
2	Workshop	Control System	IIT, Kharagpur	10 days
3	Workshop	Industrial Automation	National Info Tech Surat	1 day

## RESULT ANALYSIS:

B.E. (Electrical Engineering)



## TRAINING AND PLACEMENT ACTIVITIES

### PLACEMENT ACTIVITIES:

- 02/07/2015 Soft Skill Training
- 20/08/2015 Session On “Personality Development Tips, Pareto’s Principle (80-20 Rule) And Application Of That Principle In Real Life” By Mr. Atul Purohit
- 30/09/2015 Resume Building Competition & Mock Interview
- 20/01/2016 Gateway To Future – Importance Of GATE & Other Competitive Exams
- 20/01/2016 GATE Forum- Aptitude Test For Final Year Students
- 27/01/2016 Aptitude and Technical Test for Pre-Final year as well as Final Year students.
- 29/03/2016 Seminar On “How To Use Micro-controller With Android, IOS And Entrepreneurship” For 3rd Year Students.

### INDUSTRIAL TRAINING:

Sr. No.	Company Name	No. of Students	Place
1	L & T , SURAT	5	Surat
2	ESSAR PVT LTD,SURAT	2	Surat
3	NTPC,SURAT	1	Surat
4	J K PAPER MILL,UKAI	6	Ukai
5	UTRAN POWER HOUSE,SURAT	12	Surat
6	SUGAR FACTORY,BARDOLI	14	Bardoli
7	KAPS, KAKRAPAR	5	Kakrapar
8	THERMAL POWER PLANT, UKAI	1	Ukai
9	RELIANCE,SURAT	2	Surat
10	THERMAL POWER PLANT, UKAI	1	Ukai
11	BIRLACELLULOSE,BHARUCH	1	Bharuch

## INDUSTRIAL VISITS:

Sr. No.	Company Name	No. of Students	Place
1	L&T STC Vadodara	203203	Vadodara
2	Nuclear power Corporation of India Ltd Kakrapar	159	Kakrapar
3	Ukai Hydro Power Station Ukai Gujarat	150	Ukai
4	GETCO Gujarat-220KV Substaion, Mota, Bardoli	130	Mota
5	Bardoli Sugar Factory, Bardoli	150	Bardoli
6	ABB Ltd Vadodara	70	Vadodara



KAPS, KAKRAPAR



SUGAR FACTORY, BARDOLI



SUMUL DAIRY, SURAT