



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED
N. G. PATEL POLYTECHNIC
Bardoli-Navsari Road, At: Isroli, Po: AFwa, Tal: Bardoli, Dist: Surat-394620
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**Electrical
Engineering
Department
News Letter**

Issue: January 2020

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Academic Term: 2020/01

Academic Year: 2020-21

Vision of the Department

To become a front-runner in bringing out globally competent electrical engineers, researchers, innovators and entrepreneurs to serve the global society with an ultimate aim to improve the quality of life.

Mission of the Department

- To give excellent understanding of electrical engineering to the students through teaching and practice tasks that makes the students useful to the society, nation and the world.
- To provide platform to improve designing and development skill of electrical engineering through various training, seminars, and workshops.
- Motivate students to participate in co-curricular and extra-curricular activities to enhance leadership and managerial skills.
- To excel career in higher education and industries, perform best by continuous learning and good conducts.

Department Profile

The department was established in the year 1999. The department has the strength of 07 teaching staff and 02 supporting staff leads by Mr. V. K. Patel. Staffs are well qualified with Industrial as well as academic experience. The department is working with intake of 60. Every year pass out students are absorbed in well known industries & reputed institutes for further study.

The department has 5 well equipped laboratories viz. Basic Electrical lab; Electrical Machine lab; Electronics & Project lab; Instrumentation lab; Power lab, Which satisfy all the requirement of the curricula proposed by GTU. The departmental library helps the students in having ready references. The department has arranged total 36 Expert speeches and 69 Industrial visits as regular features which provide technical knowledge & industrial interaction to the students.

The student of 2010 entry Mr. Nisarg Maisuriya secured 1st rank in Electrical Engineering in GTU exam all over Gujarat level and received gold medal from GTU in the year 2013.

Newsletter Committee

Mr. Vijay Patel Head of Department	Mr. Nilesh Prajapati Lecturer	Mr. Rakesh Maisuriya Lecturer	Mr. Prashant Patel Lab Assistant
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Program Educational Objectives (PEOs)

- PEO-I: To demonstrate and apply excellent knowledge and skills of electrical engineering into real field with best socio-economic benefits.
- PEO-II: To design and implement electrical system to meet specified needs by justifying 3Es like energy efficiency, economy and environment.
- PEO-III: To enhance entrepreneurial, communication and other soft skills, which will enable them to work.
- PEO-IV: To possess a positive attitude for life-long learning and practicing in the real field of work.

Department Level Activities

FDPs / STTS OGRANIZED

FDP on “ENERGY AND SUSTAINABLE DEVELOPMENT” during 8th July to 11th July, 2020.	Around 75 students and 07 staff members have participated in this workshop program.
FDP on “Industrial Automation” during 28th July to 30th July, 2020.	Around 70 students and 08 staff members have participated in this workshop program.
FDP on “RECENT TRENDS IN POWER ELECTRONICS” during 20th August to 22nd August, 2020.	Around 78 students and 08 staff members have participated in this workshop program.
FDP on “Hydrocarbon fuel cell technology-will it contributes to energy independence?” during 30th September to 02nd October, 2020.	Around 72 students and 07 staff members have participated in this workshop program.
FDP on “Simulation & Application of Arduino” during 20th October to 22nd October 2020.	Around 80 students and 07 staff members have participated in this workshop program.

EXPERT SPEECH

The department has organized Expert speech related to “Selection, Testing and Maintenance Of Circuit Breaker” on dated 24/08/2021. The Webinar addressed by the expert Mr. Jay Patel, he is a Assistant Professor in Electrical Engg., From CGPIT, UTU, Bardoli. Total 70 students has been participated into the Expert speech.

DETAILS OF RESULT

CLASS	Total Appeared Students	Total Pass Students	Percentage Result
Electrical - 2017	53	52	98.11 %
Electrical - 2018	63	52	82.87 %
Electrical - 2019	81	73	90.12 %
Total	196	177	90.30 %

STUDENTS CORNER

Find the value of question mark.	Which number replaces the question mark?									
$3 + 5 = 13$ $6 + 7 = 41$ $4 + 8 = 28$ $2 + 9 = 11$ then, $7 + 8 = ??$	<table border="1" style="margin: auto;"> <tr> <td style="background-color: black; color: white;">5</td> <td style="background-color: black; color: white;">9</td> <td style="background-color: black; color: white;">15</td> </tr> <tr> <td style="background-color: red; color: white;">16</td> <td style="background-color: red; color: white;">29</td> <td style="background-color: red; color: white;">?</td> </tr> <tr> <td style="background-color: black; color: white;">49</td> <td style="background-color: black; color: white;">89</td> <td style="background-color: black; color: white;">147</td> </tr> </table>	5	9	15	16	29	?	49	89	147
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By: Ahir Jaimin (186370309001)	By: Borse Jignesh (186370309002)									