



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED

N. G. PATEL POLYTECHNIC

Bardoli-Navsari Road, At: Isroli, Po: Afwa, Tal: Bardoli, Dist: Surat-394620
Institute Website: www.ngpatelpoly.ac.in

**Electrical
Engineering
Department
News letter**

Issue: January 2022

Volume: 07

Academic Term: 2021/01

Academic Year: 2021-22

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.

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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Department Profile

The department was established in the year 1999. The department has the strength of 07 teaching staff and 2 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 18 Expert speeches and 47 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**.

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 globally as leaders or a team member.
- PEO-IV: To possess a positive attitude for life-long learning and practicing in the real field of work.

Department Level Activities

STTP

- The department has organized four days FDP on “Solar PV Generation and Analysis” during 15th Sept to 18th Sept, 2021. Around 89 students and 07 staff members have participated in this workshop program.

Under ISTE Students Chapter
ELECTRICAL ENGINEERING DEPARTMENT
N.G. PATEL POLYTECHNIC
Tajjore Campus, BARDOLI, Surat
Organize

Four Days Faculty Development Program on
SOLAR PV GENERATION AND ANALYSIS

Schedule of the Event

 <p>Date: 15/9/2021 Prof. Tejas M. Panchal Assistant Professor R.N.G.P.I.T., Bardoli Topic: Introduction of Solar PV Generation</p>	 <p>Date: 16/9/2021 Prof. Mehul K. Tamboli Assistant Professor R.N.G.P.I.T., Bardoli Topic: Solar Grid Inverters</p>
 <p>Date: 17/9/2021 Mr. Hemal P. Bhagatwala Owner of Labhiti Enterprise Vadodra Installation of Solar PV System</p>	 <p>Date: 18/9/2021 Field Visit of Roof Top Solar PV Generation Plant at SVPEES (Tajjore) Campus, Bardoli, Surat</p>

- The department has organized webinars related to “PLC & its Application” on dated 24/08/2021. The Webinar addressed by the expert Mr.Jignesh R. Prajapati, he is a Assistant Professor in Electrical Engg. From RONGPIT,Isroli Total 50 students has been participated into the webinar.

SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED
N. G. Patel Polytechnic -NGPP
 Tajpore Campus, Bardoli Navsari Road, Te. Bardoli, Dist.Surat, Ph-9512900459
 (Affiliated with G.T.U. & Approved by A.I.C.T.E.)

ELECTRICAL ENGINEERING DEPARTMENT
 ORGANIZE
 A WEBINAR
 UNDER ISTE STUDENT CHAPTER

PLC
 AND ITS APPLICATIONS

Date - 24/8/2021
 Time - 1:30 PM

Expert :
Jignesh R. Prajapati
 Asst. Professor (EED)
 R. N. G. Patel Institute of Technology

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<https://ngpatelpoly.ac.in>

- The department has organized webinars related to “ARDUINO” on dated 26/08/2021. The Webinar addressed by the expert Mr.Kevin C. Shah, he is a Assistant Professor in Electrical Engg. From RONGPIT,Isroli Total 48 students has been participated into the webinar.

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ELECTRICAL ENGINEERING DEPARTMENT
 ORGANIZE
 A WEBINAR
 UNDER ISTE STUDENT CHAPTER

ON
ARDUINO

Expert :
Kevin C. Shah
 Asst. Professor (EED)
 R. N. G. Patel Institute of Technology

Date- 26-8-2021
 Time : 3:00 PM

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- The department has organized webinars related to “8085 Microprocessor” on dated 29/10/2021. The Webinar addressed by the expert Mr. Nitin K. Modi, he is a Adhoc Lecturer in Science & Humanities Department From NGPP,Isroli. Total 43 students has been participated into the webinar.

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Electrical Engineering Department
 Organizing Webinar
 Under ISTE student Chapter
 On
"8085 Microprocessor"

Date:-29/10/2021
 Time:-03:00pm to 04:00pm

Prof.Nitin K.Modi
 Lecturer
 Science & Humanities Department
 N.G.Patel Polytechnic-Isroli

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- The department has organized webinars related to “Development of Electronics from Invention to Today” on dated 29/10/2021. The Webinar addressed by the expert Mr.Jignesh R. Prajapati, he is a Assistant Professor in Electrical Engg. From RONGPIT,Isroli Total 23 students has been participated into the webinar.

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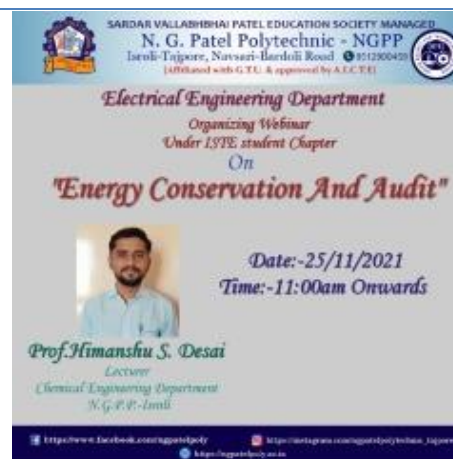
Electrical Engineering Department
 Organizing Webinar
 Under ISTE student Chapter
 On
Development of Electronics
"From Invention to Today"

Date:-29/10/2021
 Time:-02:00pm to 03:00pm

Prof.Jignesh R.Prajapati
 Asst.Prof.
 Electrical Engineering Department
 R.N.G.P.I.T-Isroli

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➤ The department has organized webinars related to “Energy Conservation & Audit” on dated 25/11/2021. The Webinar addressed by the expert Mr. Himanshu S. Desai, he is a Lecturer in Chemical Engg. Department From NGPP, Isroli. Total 36 students has been participated into the webinar.



➤ The department has organized webinars related to “Google Drive & Basic Tips & Tricks of Computer” on dated 26/11/2021. The Webinar addressed by the expert Mr. Ritesh J. Patel, he is a Lecturer in Computer Engg. Department From NGPP, Isroli. Total 29 students has been participated into the webinar.



Result Details:

Class	Total appeared students	Total pass students	% Result
Electrical-2018	79	79	100
Electrical-2019	80	78	97.50
Electrical-2020	55	53	96.36
Total	214	210	98.13