



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 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.

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 “ENERGY AND SUSTAINABLE DEVELOPMENT” during 8th july to 11th july, 2020. Around 75 students and 07 staff members have participated in this workshop program.



N.G.PATEL POLYTECHNIC
Tajpore Campus, BARDOLI, Surat.
ELECTRICAL ENGINEERING DEPARTMENT
One week Faculty Development Program on
ENERGY AND SUSTAINABLE DEVELOPMENT
Date : 8th June to 12th June, 2020. Time : 10:30 am onwards

Key notes Speakers



Date: 8/6/2020
Prof. C.D. Shukla
Senior lecturer
Dr. S. & S. S. Gandhi College, Surat
Topic: Energy Conservation & Renewable Energy Sources



Date: 9/6/2020
Prof. Piyush Dave
Assistant Professor
S.N.P.I.T, Umrah
Topic: Gasification of Coal, Biomass and MSM



Date:10/6/2020
Dr. Hitash K. Mehta
Associate Professor
SCT, Surat
Topic: PV Modelling and MPPT Techniques



Date: 11/6/2020
Mr. Rupesh Zambudi
AGM
Adani Haina Port Pvt. Ltd., Surat
Topic: Environment Management System
A perspective to progress



Date: 12/6/2020
Mr. Kishan Sewak
Lead Engineer
Harsha Abacus Solar Pvt. Ltd. Ahmedabad
Topic: Recent Trends in Renewable Energy Sources

➤ The department has organized four days FDP on “Industrial Automation” during 28th july to 30th july, 2020. Around 70 students and 08 staff members have participated in this workshop program.



N.G.PATEL POLYTECHNIC
Tajpore Campus, BARDOLI, Surat.
ELECTRICAL ENGINEERING DEPARTMENT
Three Days Faculty Development Program on
INDUSTRIAL AUTOMATION
Date : 28th July to 30th July, 2020. Time : 10:30 am onwards

Key notes Speakers



Date : 28/7/2020
Prof. Mehal K. Tamboli
Assistant Professor
R.N.G.P.I.T., Bardoli
Topic: Introduction about Industrial automation and needs in future era



Date: 29/7/2020
Mr. Mohan Patel
ME-Instrumentation
Topic: PLC Programming and its applications



Date: 30/7/2020
Mr. Mahesh Parmar
Owner of Prologik Technologies
Prologik Technologies
Topic: Industrial Drives

- The department has organized four days 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.



N.G.PATEL POLYTECHNIC
Tajpore Campus, BARDOLI, Surat.
ELECTRICAL ENGINEERING DEPARTMENT
Three Days Faculty Development Program on
RECENT TRENDS IN POWER ELECTRONICS
Date : 20th Aug to 22nd Aug 2020. Time : 11:00 am onwards

Key notes Speakers



Date : 20/8/2020
Prof. Jignesh R. Prajapati
Assistant Professor
R.N.G.P.I.T., Bardoli
Topic: Development of Electronics
"From invention to Today"



Date: 21/8/2020
Prof. Tejas M. Panchal
Assistant Professor
R.N.G.P.I.T., Bardoli
Topic: Basics of Multi Level
Inverter



Date: 22/8/2020
Prof. Pratik D Solanki
Assistant Professor R.N.G.P.I.T.,
Bardoli
Topic: Electrical Drive System

- The department has organized four days 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.



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Tajpore Campus, Bardoli, Surat.
ngpatelpoly.ac.in
ELECTRICAL ENGINEERING DEPARTMENT

3 Days faculty development program on
Hydrocarbon fuel cell technology- will it contributes to energy independence?

SPEAKER

DATES
30TH SEPT. TO 2ND OCT. 2020
TIME
11 AM ONWARDS



DAY 1 LINK: <https://meet.google.com/ibp-krca-boo>
DAY 2 LINK: <https://meet.google.com/prok-phax-8329>
DAY 3 LINK: <https://meet.google.com/rbz-ghcc-1222>

Dr. Vinod S Tejwani
Prof. G P Jamnagar
Ph D in Hydrogen and Solar Energy
20 Years Academic Experience

- The department has organized four days 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.



N. G. PATEL POLYTECHNIC
Tajpore Campus, BARDOLI, Surat.
ELECTRICAL ENGINEERING DEPARTMENT
Three Days Faculty Development Program on
“Simulation & Application of Arduino”
Date: 20th Oct. to 22nd Oct. 2020. Time: 10:30 am onwards

Key notes Speakers



Date : 20/10/2020
Prof. Kevin C. Shah
Assistant Professor
R.N.G.P.I.T. Bardoli.
Topic: "Introduction of Arduino"



Date: 21/10/2020
Prof. Mihand H. Kansara
Assistant Professor
R.N.G.P.I.T. Bardoli.
Topic: "Simulation & Application
of Arduino"



Date: 22/10/2020
Prof. Jignesh R. Prajapati
Assistant Professor
R.N.G.P.I.T. Bardoli.
Topic: "Application of Arduino"

