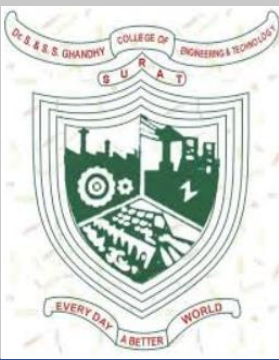


ELECTRICAL ENGINEERING DEPARTMENT

Dr. S. & S. S. Gandhi College of Engg.& Tech.

Majura gate, Surat-395001



ADMITTANCE TERM-231

FROM THE DESK OF HEAD
OF DEPARTMENT



Dear All,

It give me immense pride and pleasure to lead the Electrical Engineering Department of this esteemed & prestigious institution. Electrical engineering is the front runner because of its recent recognition and adoption by all industries and academia, there by gaining self-confidence of our students to complete successfully with all competitive disciplines.

Apart from the regular curriculum the department strives to develop the student into intellectual prodigy. The department conduct various program under the department association such as workshop, technical visit, guest lectures and seminar by experts from industry and academic background for constant knowledge up-gradation of staff and students. These activities help to know the latest technologies in the field of electrical Engineering.

J.S.DOSHI

**Be a front runner in
Electrical Engineering
field by shaping young
minds into technically
sound diploma
engineers through
sustainable
development, who will
foster the society and
industry**



To achieve the vision, department will

M1: To educate young brain & transform it into professionally competent diploma engineer.

M2: To facilitate proper environment and infrastructure to develop abilities to enhance employability.

M3: To imp art exposure to industry through industrial visits, workshops and expert lectures to bridge the gap between industry and institute.

M4: To cater proper human resource for society by educational and interaction-based programs.

The Program Educational Objectives (PEOs) of the Electrical Engineering Department are given below:

PEO 1

Manage own electrical engineering enterprise.

PEO 2

Develop proficiency in maintaining various electrical equipment.

PEO 3

Adapt the changing technologies to solve the electrical engineering problem for societal needs.

Know our Faculties



MR. JAYESH DOSHI (H.O.D)



MR.C. D. SHUKLA



MISS.K. N. PATEL



MR.J.M. PATEL



MR.S.U. DALWANI



MR.B.R. TANDEL



MR.G.D. GABANI



MISS.V.V. RUPAWALA



MR.V.S.CHELUMALLA



MISS.K.H.PATEL



MISS.P.R. GOSWAMI



MISS.R.R.PATEL



MISS.V.R.PATEL



MRS.T.H. PATEL



MISS.U.M. PATEL



MR.D.J. PRASAD



MR.N.S. SINHA



Dr.S.K.PATEL



MR.P.V.MISTRY



MR.J.R.CHAVDA

Know our Department



Electrical Engineering Department established in 1958, is one of the pioneering departments of Dr. S. & S. S. Gandhi College of Engineering and Technology, Surat. Institute is running under Department of Technical Education, Government of Gujarat. Diploma Electrical engineering program is approved by All India council for technical education (AICTE), New Delhi and is affiliated to Gujarat Technological University, Ahmadabad.

Electrical Engineering is a branch of engineering which deals with Generation, Transmission Distribution and Utilization of Electrical Energy. The students of Electrical Engineering department are imparted knowledge of operation, repairing and maintenance of various Electrical equipments and machinery, various Electrical and Electronics control systems, Electrification of buildings and complexes, Electrical Energy conservation and Electrical safety. The department has well established laboratories with basic as well as modern electrical machinery and experimental setups which enable with students to gain knowledge and develop technical skills. The department has well qualified faculty members engaged in teaching learning process with the aim of achieving excellence in the field of Electrical engineering.

DEPARTMENT CO-CURRICULAR ACTIVITY

EXPERT LECTURE DELIVERED

SR. NO.	EXPERT NAME	DATE	TOPIC	VENUE
1	Mr.Chirag Patel (AHA Solar Technologies Ltd)	01/09/2023	Future scope of solar energy	SSGP,Campus/ Seminar Room
2	Mr.Hemant Kansara	05/09/2023	Know yourself	Seminar Room
3	Mr.Darshan Marjadi	14/09/2023	Positive Attitude	Seminar Room
4	Mr. Gaurav akhecha	16/09/2023	Goal Setting	Seminar Room
5	Mr.Hemant Kansara	01/09/2023	Team Building	IT-111
6	Dr. Piyesh J Chauhan	16/09/2023	Four Quadrant Operation of DC-AC Converter	IT-111
7	Mr.Hemant Kansara	26/09/2023	Assertive Communication	Seminar Room
8	Mr.Shabbir Ghadiali	06/12/2023	Opportunities In Electrical Engineering	Seminar Room

Industrial expert session is to be taken by Mr. Chirag T Patel from AHA solar technologies ltd. on “Future Scope of Solar Energy “ in which 74 students of 3rd sem had participate. He shared his expertise on “Future Scope of Solar Energy” and student visit solar rath in college campus.



Expert session is to be taken by Mr. Hemant Kansara on “Know yourself “in which 44 students of 5th sem had participate. He shared his expertise on “Know yourself” with students.

Expert session is to be taken by Dr. Darshan Marjadi Associate Professor, SCET on “Positive Attitude “ in which 72 students of 5th sem and 3rd sem had participate. He shared his expertise on “Positive Attitude” with students and guide them about their attitude regarding situation.



Expert session is to be taken by Mr. Gaurav Rakhecha on “Goal Setting “in which 63 students of 5th sem had participate. He shared his expertise on “Goal Setting” with students.



Expert session is to be taken by Mr. Hemant Kansara on “Team Building “ in which 55 students of 5th sem had participate. He shared his expertise on “Team Building” with students.

Expert session is to be taken by Dr. Priyesh J Chauhan on “Four Quadrant Operation of DC-AC Converter “ in which 55 students of 5th sem had participate. He shared his expertise on “Operation of DC-AC Converter” with students.



Expert session is to be taken by Mr. Hemant Kansara on “Assertive Communication “ in which 26 students of 5th sem had participate. He shared his expertise on “Assertive Communication” with students.



INDUSTRIAL VISIT

KAKRAPAR ATOMIC POWER STATION

Industrial visit was organized on 09/12/2023 for the 49 students of 3th semester of Electrical Engineering Department at KAKRAPAR ATOMIC POWER STATION, TAPI where electricity is generated. Our main purpose for this visit is to make the students familiar with industrial environment and to get practical knowledge of electric power generation and aware about the atomic energy and learn how the atomic reactor is work and power plant is work.





07 | STUDENTS PARTICIPATION DETAILS



STUDENT ACHIEVEMENT

Student photo during receiving award/certificate	Student photo during receiving award/certificate
Student name	Student name

PARTICIPATION DETAILS

SR. NO.	STUDENT NAME	DATE	TYPE OF ACTIVITY	REMARKS
DEPARTMENT NAME				
1.	Mihir Parekh	14,15,16/09/2023	Gyan Gumbaj national technical fest	Won 1 st rank Project competition
2.	Vatsal Virani	14,15,16/09/2023	Gyan Gumbaj national technical fest	Won 1 st rank Project competition
3.	BHAVYA JOSHI	28-Jun-23	Winner at GSTA State Ranking Tennis Tournament	Won 1 st rank
4.	BHAVYA JOSHI	15-Aug-23	Winner at GSTA State Ranking Tennis Tournament	Won 1 st rank
5.	BHAVYA JOSHI	12-Sep-23	Winner at GSTA State Ranking Tennis Tournament	Won 1 st rank
6.	BHAVYA JOSHI	28-Nov-23	Winner at GSTA State Ranking Tennis Tournament	Won 1 st rank



06 | FACULTY PARTICIPATION DETAILS

TRAINING DETAILS

SR. NO.	FACULTY NAME	DATE	TRAINING NAME	ORGANIZER
1.	Mr. J.S.Doshi	18-Dec-2023 To 23-Dec-2023	Need of Industry 4.0: Upskilling And Reskilling for Enhancing Employability and Enterpreneursip	GEC, Surat
2.	Mr. J.M.Patel	24-Jul-23	Green Technologies for Sustainable Development	NITTTR, Bhopal
3.	Mr. B.R.Tandel	24-Jul-23	NABL Standred Process and Practice	NITTTR, Bhopal
4.	Mr. B.R.Tandel	24-Jul-23	Power System Protection (MOOC)	NPTEL
5.	Ms.V.V.Rupawala	17-Jul-23	Developing Entreprenurship & Vocational skill	NITTTR, Bhopal
6.	Ms. P. R. Goswami	24-Jul-23	Power System Protection (MOOC)	NPTEL
7.	Ms. U.M.Patel	24-Jul-23	Power System Protection (MOOC)	NPTEL
8.	Mr. D.J.Prasad	24-Jul-23	Power System Protection (MOOC)	NPTEL
9.	Mr. N.S.Sinha	24-Jul-23	curriculum design for holistic and multidisciplinary education	NITTTR, Bhopal
10.	Mr. N.S.Sinha	24-Jul-23	Power System Protection (MOOC)	NPTEL
11.	Mr. V.S.Chelumalla	10-Jul-23	Management of change and innovation	NPTEL
12.	Mr. V.S.Chelumalla	24-Jul-23	Power System Protection (MOOC)	NPTEL
13.	Mrs. K.H.Patel	24-Jul-23	Power System Protection (MOOC)	NPTEL
14.	Dr. S.K.Patel	24-Jul-23	Power System Protection (MOOC)	NPTEL
15.	Mr. P.V.Mistry	24-Jul-23	Power System Protection (MOOC)	NPTEL

TRAINING & PLACEMENT CELL

COMPANIES VISITED FOR PLACEMENT

COMPANY NAME	DATE OF INTERVIEW (DD/MM/YY)	NO. OF STUDENTS PARTICIPANTS
Birla Copper, Dahej	6-4-2023	45
AM/NS	20-1-2023	40
SRF, DAHEJ	15-2-2023	39
MEINHARDT	21-3-2023	20
RELIANCE INDUSTRIES LTD, JAMNAGAR	25-1-2023	40
L & T ENERGY,	21-9-2023	40
CEAT TYRE	24-05-2023	30
ERDA	29-05-2023	30

Extra-Curricular Activity Of Students

MERI MATI MERA DESH

"Meri Maati Mera Desh" envisions a unified celebration of India's soil and valour, commemorating the nation's journey of freedom and progress. By connecting with the land and honoring our heroes, this program will instill a sense of national pride and inspire future generations to protect India's cherished heritage. There are 25 students participate in this celebration.



CYBER SECURITY AWARENESS

Internet security awareness or Cyber security awareness refers to how much end-users know about the cyber security threats their networks face, the risks they introduce and mitigating security best practices to guide their behaviour, there are 200 students participate in this celebration.



SAVE WILDLIFE

Wildlife conservation refers to the practice of protecting wild species and their habitats in order to maintain healthy wildlife species or populations and to restore, protect or enhance natural ecosystems. Major threats to wildlife include habitat destruction, degradation, fragmentation, overexploitation, poaching, pollution, climate change, and the illegal wildlife trade, there are 260 students participate in this celebration.

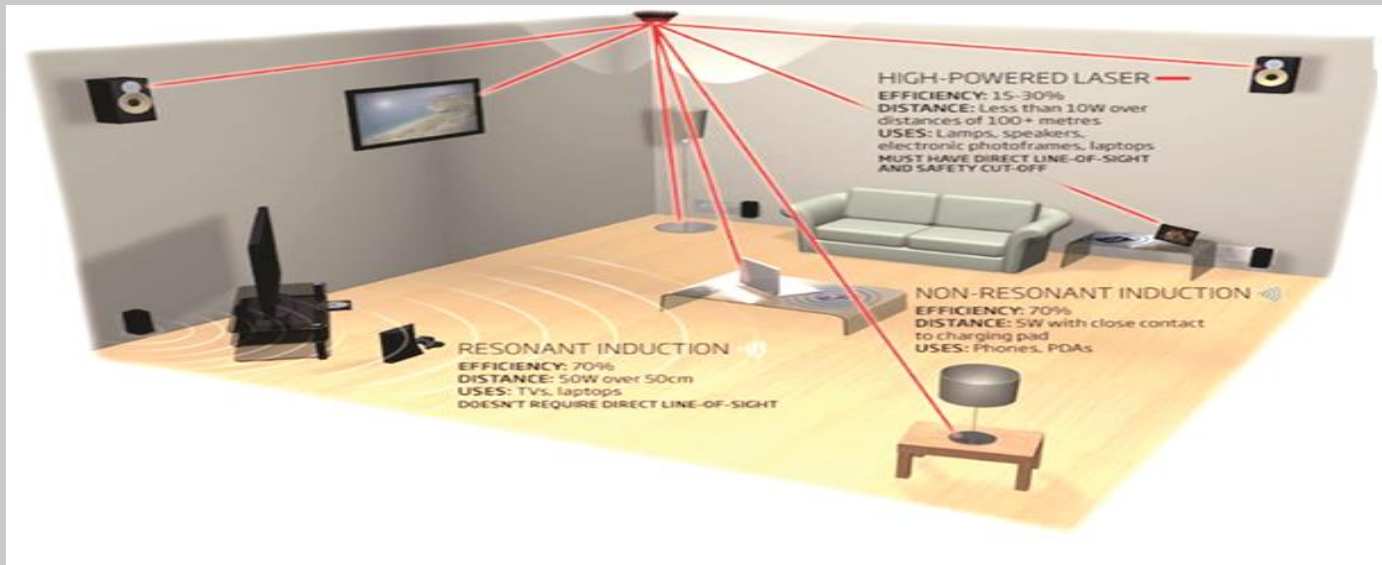


SWACHHTA ABHIYAN



Innovation in Electrical

WIRELESS POWER TRANSFER



Did you ever worry about forgetting to pack your charger when getting ready to leave on a trip? Or maybe you did forget it. This trend in electrical engineering eliminates any need for concern or inconvenience. Though still in its early stages of development and production, wireless power transfer is a promising innovation for the future of electronics.

In short, wireless power transfer (WPT), also known as wireless energy transfer, is the transmission of electrical energy from a power source to a receiver without the use of interconnecting wires. WPT systems use time-varying electromagnetic fields for energy transmission. These systems ride along the same fields and waves as wireless communication devices. Essentially, a receiver in a device picks up the power, which allows for contactless charging, powering, and data communication. Electric vehicle charging docks, security software, and heart pumps have all been discussed as potential use cases for wireless power transfer. In short, wireless power transfer has transformed or will transform several aspects of our lives.

- **Smart Homes:** Wireless power transfer can be used to power a range of smart home devices such as lighting, climate control, security systems, and more.
- **Automotive:** WPT can enable contactless charging of electric vehicles, providing a more efficient and convenient way of powering them up.
- **Industrial:** WPT can be used to power industrial machinery and equipment, reducing the need for wires and cables and increasing safety.
- **Wearables:** WPT could be used to power and charge wearables such as fitness trackers, smartwatches, and medical devices.
- **Remote Areas:** WPT can be used to provide energy in remote areas where it is difficult to connect to the grid.

Electrical Engineering Department

Dr. S. & S.S Ghandhy College of Engineering and Technology, Majura Gate, Surat

Institute E mail: ssgp-surat-dte@gujarat.gov.in

Contact No. 0261-2655799

Department E-mail: electssg@gmail.com