



A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)

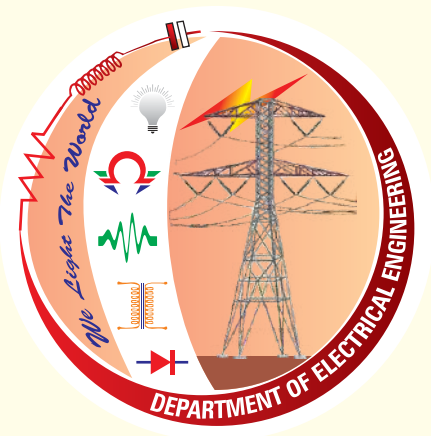
Kosamba-Mahuvej Road, Kosamba, Dist. – Surat.

ELECTRA

Managed by : The Suratee Sunni Vohra Muslim Education Society, Surat.

ELECTRICAL ENGINEERING DEPARTMENT

The Electrical Engineering Department of A.Y. Dadabhai Institute, Kosamba. The Department here Welcome to our newsletter! Here, we share the highlights, achievements, and moments that make our department special. From projects and workshops to student successes, this edition reflects our passion for learning and growing together. Let's stay connected, inspired, and always charged with new ideas!



INSIDE THE VOLUME

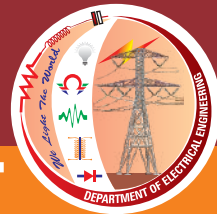
1. Vision, Mission & PEOs
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ELECTRICAL ENGINEERING DEPARTMENT

Message from H.O.D.



Dear Students, Faculty Members, Alumni, and Well-wishers,

Warm greetings from the Department of Electrical Engineering at A.Y. Dadabhai Technical Institute, Kosamba.

It is a matter of great pride to share the progress, achievements, and ongoing developments within our department through this newsletter. At the heart of our efforts lies a strong commitment to quality technical education, innovation, and holistic student development.

Our department continues to foster an environment that encourages academic excellence, practical learning, and industry interaction. Faculty members are actively involved in curriculum enhancement, research activities, and student mentorship, ensuring that our students are well-prepared for the challenges of the evolving engineering landscape.

We are proud of our students who consistently participate in technical events, develop innovative projects, and secure placements and internships in reputed organizations. These accomplishments reflect our collective dedication toward creating competent, responsible, and industry-ready electrical engineers.

We look forward to continued collaboration with our stakeholders—students, parents, alumni, and industry partners—in building a brighter future.

Thank you for your unwavering support and encouragement.

Mr. M.S. Dinath

ABOUT THE A.Y. DADABHAI TECHNICAL INSTITUTE, KOSAMBA



A.Y. Dadabhai Technical Institute (AYDTI) is a premier polytechnic institute located in Kosamba, Surat District, offering top-notch technical education to students aspiring to excel in engineering and technology. Established under the management of The Surtee Sunni Vohra Muslim Education Society in year 2008 with (Reg No: F-14), AYDTI is dedicated to fostering innovation, skill development, and academic excellence.

Approved By:

All India Council for Technical Education (AICTE), New Delhi. (Permanent ID: 1-404292091)

Affiliated with:

Gujarat Technological University, Ahmedabad. (Institute Code: 601)

Accredited by NBA:

All five programs (Civil, Mechanical, Computer, Electrical)

Ranked by GSIRF:

Recognized for academic excellence and infrastructure.

ABOUT THE ELECTRICAL DEPARTMENT

Year of establishment's: 2008

Intake: 2008 to till date : 60 Seats

Infrastructure Details:

No. of Classrooms: 03

Laboratory : 06

Electrical Circuit Lab

Electrical Machine Lab

Power Electronics Lab

PLC Lab

Electrical Instrumentation Lab

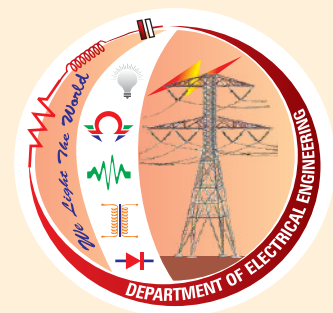
Digital Electronics & Microprocessor Lab

Project Lab with Computer Facilities

Faculties :

Teaching : 07

Non - Teaching : 04



VISION

To prepare electrical engineers by imparting innovative technical knowledge and skills for ever-changing needs of industries for sustainable development.



MISSION

- Prepare cadre of electrical engineers to cater to industrial development and economic growth of country.
- Educate and train electrical engineers to meet ever changing requirements of industries.
- Students will be made to interact with industries and other academic institution to serve society safety, effectively & efficiently.



PEOS

PEO - I : Prepare students so that they are technically qualified to analyze complex problems, design, create new products & are able to apply skills in engineering domain.

PEO - II : Excel in technical profession, industry OR higher education by providing strong foundation in mathematics Science and Engineering.

PEO - III : Create professional and ethical attitude, better communication skills and relate engineering issues to address technical and social challenges.



INDUSTRIAL VISITS ORGANISED DURING THIS YEAR 2024-25

SR.NO	DATE	SEM	VISITED INDUSTRY / ORGANIZATION	RELATED SUBJECT OF VISIT	NUMBER OF PARTICIPANTS
1	5/10/2024	5th	Sarvajani College of Engineering and Technology, Surat	One Workshop on Switchgear & Protection	36+3
2	16/10/2024	3rd	kaypee corporaton (kim)	DC machines and transformer	55+5
3	22/1/2025	6th	SAI ELECTRICALS	Energy Conservation & Audit	35+3
4	28/1/2025	4th	KAKRAPAR ATOMIC POWERSTATION	Distribution & Utilization of Electrical Energy	36+4
5	15/2/2025	6th	SUMUL DIARY	Distribution & Utilization of Electrical Energy	31+2
6	22/2/2025	4th & 6th	UKAI THERMAL & HYDROPOWER PLANT	Distribution & Utilization of Electrical Energy	44+4



EXPERT LECTURE'S ORGANISED DURING THIS YEAR 2024-25

Sr.No.	Date	Expert Topic	Expert Name	Sem	Designation	Expert Organization	No of Participants
1	21/8/2024	Abroad Study	TUTOR	6th sem	CONSULTANTS	SAC CONSULTANTS	29
2	11/9/2024	Electrical Traction	Mr. C.J. Bhaidasna	5th sem	Retired Section Engineer	Railway (Electric Locoshade Valsad)	36
3	26/9/2024	Electrical Power Generation & Transmission	Mr. D. N. Shah	3rd & 5th	Retired Executive Engineer	SLDC Vadodara	84
4	10/10/2024	Artificial Intelligence: Driving Innovation & Shaping the future	Mr. Chirag Kanani	5th	Tutor	RED & WHITE SKILL EDUCATION	36
5	2/12/2024	Gateway to Europe Meet	Mr. Dejan Tornjanski	1st&5th	CEO & Co- FOUNDER	Humble Hunter & Humble Education	50
6	24/12/2024	AI Powered Resume Workshop :- Standout, Get Hired	Mr. A.M. Hans	6th sem	I/C HOD Computer Department	A.Y.Dadabhai Technical Institute, Kosamba	37
7	4/2/2025	One Day Workshop on "Energy Conservation Awareness	Dr. R N Panchal Mr. D N Shah	6th sem	Rtd.Cf Er. MGVC Rtd.Ex. Er. SLDC Vadodara	Gujarat Energy Consultancy Services, Baroda	38
8	8/2/2025	Discussion on Sustainability & ESG Matrix	Mr. Dipakbhai Patel	6th sem	DGM Engineering	PGP Glass Pvt.Ltd	36
9	10/3/2025	Resume Building & Interview Readiness	Mr. Vinod Ramchandani	6th sem	Tutor	AECC STUDY ABROAD CONSULTANTS, SURAT	36
10	17-03-2025 to 19-03-2025	Introduction Of Microcontroller 8051	Mr. Hanif Kagdi	6TH sem	Subject Expert	Ex.Senior Engineer In Patni Computers	36
11	9/4/2025	Application of Electrical Engineering Automation Systems	Mr. Abdulrahman Hans	4th & 6th	Automation Manager	WSN Construction (Century Group Canada)	31



STUDENT'S CORNER

No.	Students Activity
1	Organized "PRAKALP" Project Competition
2	World Environment Day Celebration
3	Teacher's Day Celebration
4	Sports Event - "RANBHUMI"
5	TECHFEST Approved by ISTE at Dr. S.S. & S. GHANDHY GOVERNMENT ENGINEERING COLLEGE, SURAT
6	Switchgear & Protection Workshop at SCET, Surat.
7	Student's Internship

Organized "PRAKALP" Project Competition



On April 26, 2025, A. Y. Dadabhai Technical Institute (Polytechnic), Kosamba hosted a dynamic event called PRAKALP 2025 "Passion Creates Opportunity," comprising a Students Project Fair & Poster presentation. This initiative, spearheaded by the institute's Innovation Council, aimed to provide a platform for burgeoning young engineers to exhibit their talents and technical prowess. In Electrical Engineering Dept. with a total of 6 project groups and 37 students representing all four departments, the fair fostered healthy competition and aimed to elevate participants' technical skills.

World Environment Day Celebration



On 5th June 2024 at A.Y. Dadabhai Technical Institute, Kosamba, celebrated the World Environment Day. The theme selected by UNEP for the year 2024 was "Connecting people to Nature". We had organized different activities like Drawing competition, Plantation and Awareness program on this occasion.

Teacher's Day Celebration

The Teachers' Day celebration at A.Y. Dadabhai Technical Institute, Kosamba was held on 5th September 2024 with great enthusiasm and reverence. The event was organized by the students to honor and appreciate the relentless efforts and dedication of the teaching faculty.



Sports Event - "RANBHUMI"

On the Occasion of India Hosting "VIKSHIT BHARAT-2047" for the Year 2025, A.Y. Dadabhai Technical Institute, Kosamba organizes many events & one of the most necessary Sports Event for overall development of Students. A.Y. Dadabhai Technical Institute, Kosamba has organized the "RANBHUMI-2025" sports event managed by the students which includes 4 Outdoor Games and 5 indoor games with 331 boys and 64 girls' cumulative numbers of participants from 23rd Jan-2025 to 31st Jan-2025.



List of Student Participate in TECHFEST Approved by ISTE at Dr. S.S.&S. GHANDHY GOVERNMENT ENGINEERING COLLEGE, SURAT

Sr.No.	Enrollment No.	Name of Student	Year
1	216010309001	BHAIYAT IZHAR IQBAL	3rd
2	216010309007	DINAT SAVBAN MAHMADSAEED	3rd
3	216010309010	GANGAT SAUD SULEMAN	3rd
4	216010309014	LIMBADA KASIM ABID	3rd
5	216010309049	SINH SHIVAM AMIT	3rd
6	216010309050	TAGARI IBRAHIM SAMAD	3rd
7	216010309054	UNIA RIZWAN SADIK	3rd
8	226010309005	CHAUDHARI SADDAM SOKATALI	2nd
9	226010309007	CHAUHAN KRISHNAKANT JITENDRAKUMAR	2nd
10	226010309016	MAMUJI IRFAN YAKUB	2nd
11	226010309019	MUNSHI MO.ZUBER MO.ASIF	2nd
12	226010309043	SAVLE ANIRUDDH SHAILENDRA	2nd
13	226010309044	SELOT AMINRAJA ABDULAZIZ	2nd
14	226010309045	SHAH MEHMUD ABDULIRFAN	2nd
15	226010309046	SHAH MUNAF MOHAMMADAMIN	2nd
16	226010309047	SHAIKH AIYYAN SARFARAJ	2nd
17	226010309052	SHEKH MAHMADSAKIB ABDULSAMAD	2nd
18	226010309053	SINGH ABHAY DIGVIJAY	2nd



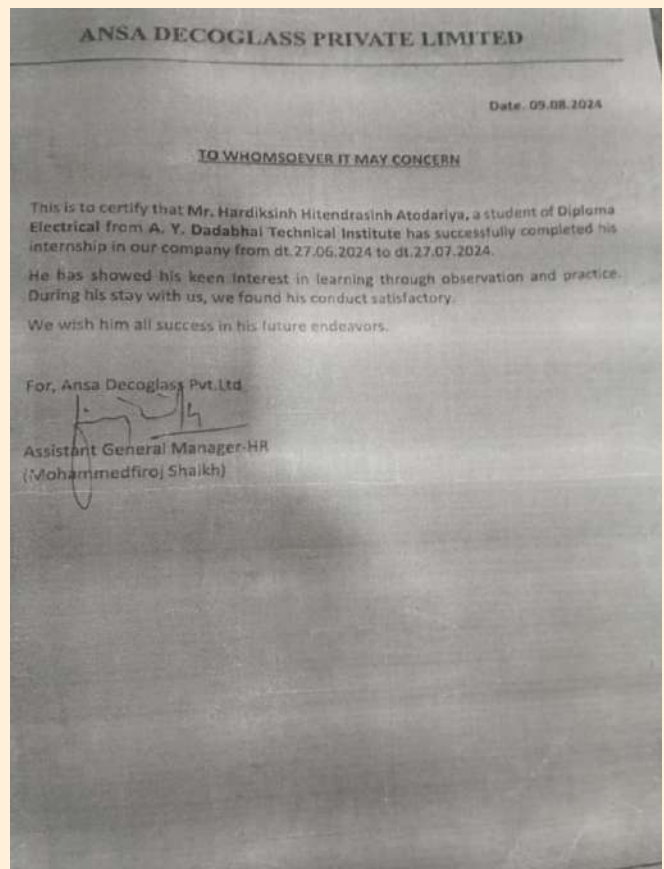
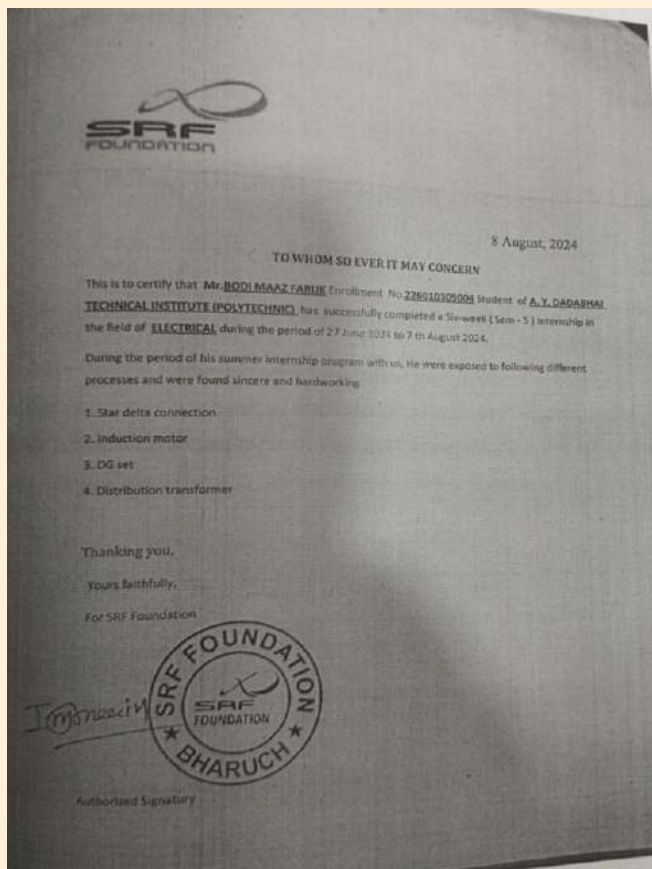
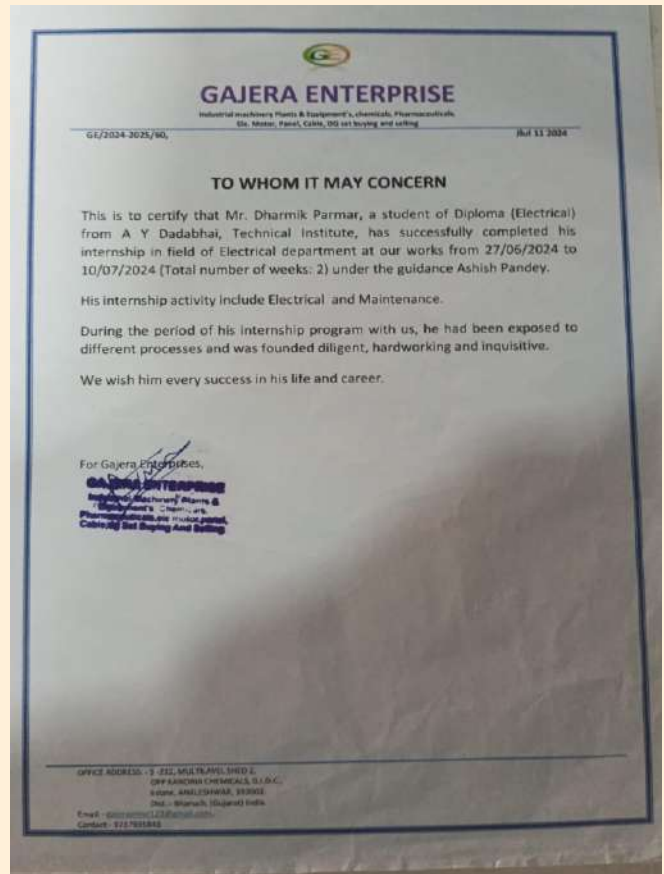
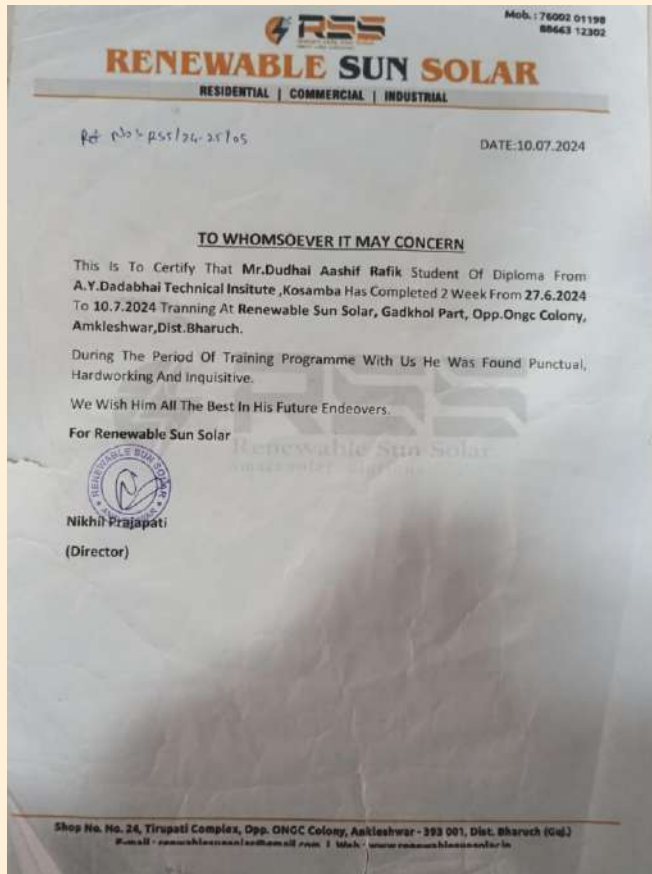
Switchgear & Protection Workshop at SCET, Surat.



Student's Internship

Student's Internship After 1st Year	
No. of Student's	No. of Company
48	12

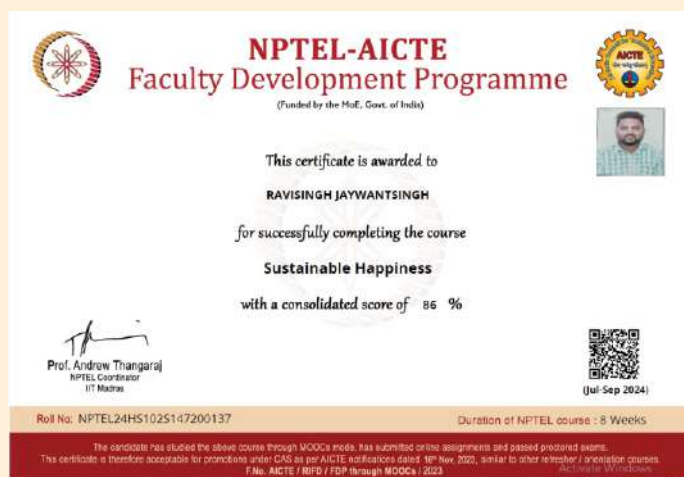
Student's Internship After 2nd Year	
No. of Student's	No. of Company
37	16



Faculty's Corner

List of FDP Attended by Faculty Members

SR.NO.	NAME OF STAFF	DEPARTMENT	FDP/SWAYAM/NPTEL COURSE	ORGANISED INSTITUTE/ ORGANIZATION	NO OF DAYS	MODE (OFFLINE /ONLINE)	FDP DATE
1	MR M.S.DINATH	ELECTRICAL	USE OF ICT IN EDUCATION	A.Y.DADABHAI TECHNICAL INSTITUTE	2	ONLINE	28-06-2024 TO 29-06-2024
2	MR. AFZAL DARSOT	ELECTRICAL	USE OF ICT IN EDUCATION	A.Y.DADABHAI TECHNICAL INSTITUTE	2	ONLINE	28-06-2024 TO 29-06-2024
3	SNEHA ROHAN MANIK	ELECTRICAL	USE OF ICT IN EDUCATION	A.Y.DADABHAI TECHNICAL INSTITUTE	2	ONLINE	28-06-2024 TO 29-06-2024
4	MR M.A.SHAIKH	ELECTRICAL	USE OF ICT IN EDUCATION	A.Y.DADABHAI TECHNICAL INSTITUTE	2	ONLINE	28-06-2024 TO 29-06-2024
5	MR M.Y.PATEL	ELECTRICAL	USE OF ICT IN EDUCATION	A.Y.DADABHAI TECHNICAL INSTITUTE	2	ONLINE	28-06-2024 TO 29-06-2024
6	MR RAVI SINGH	ELECTRICAL	USE OF ICT IN EDUCATION	A.Y.DADABHAI TECHNICAL INSTITUTE	2	ONLINE	28-06-2024 TO 29-06-2024
7	MISS MAMTA VANSIA	ELECTRICAL	USE OF ICT IN EDUCATION	A.Y.DADABHAI TECHNICAL INSTITUTE	2	ONLINE	28-06-2024 TO 29-06-2024
8	MRS.SNEHA ROHAN MANIK	ELECTRICAL	Sustainable Happiness	SWAYAM	12 Weeks	ONLINE	21/9/2024
9	MR. RAVISINGH JAYWANTSINGH	ELECTRICAL	Sustainable Happiness	SWAYAM	12 Weeks	ONLINE	22/9/2024



Our Achievers

A.Y. DADABHAI TECHNICAL INSTITUTE, KOSAMBA
Managed By : The Saralee Sarvi Vohra Muslim Education Society, Surat

ELECTRICAL ENGINEERING DEPARTMENT

DEPARTMENT TOPPERS
(1st SEMESTER) (BATCH: 2024)

RANK 1st **SPI 9.52**
MALEK TOSIF IDREESH

RANK 2nd **SPI 9.33** **RANK 3rd** **SPI 8.76**
SHAIKH MOHAMMADRAISH MOHAMMEDSIDDIK **SHAH ISMAIL MOHAMDHUSAIN**

A.Y. DADABHAI TECHNICAL INSTITUTE, KOSAMBA
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ELECTRICAL ENGINEERING DEPARTMENT

DEPARTMENT TOPPERS (3rd Semester)
(WINTER EXAM - 2024) (BATCH: 2023)

RANK 1st **SPI 9.52**
PATEL MOHAMMADANISH IMRAN

RANK 2nd **SPI 9.35** **RANK 3rd** **SPI 9.30**
CHOKSI AHMAD ANAS **PATEL MOHAMADTAIYIB MUSTAK**

A.Y. DADABHAI TECHNICAL INSTITUTE, KOSAMBA
Managed By : The Saralee Sarvi Vohra Muslim Education Society, Surat

ELECTRICAL ENGINEERING DEPARTMENT

DEPARTMENT TOPPERS (5th Semester)
(WINTER EXAM - 2024)

RANK 1st **SPI 9.26**
SHAH MEHMUD ABDULIRFAN

RANK 2nd **SPI 9.16** **RANK 3rd** **SPI 9.11**
SINGH ROSHAN A. **DIWAN MAHAMMAD IRSAD**

Placements

Our pass out students have qualified many on and off Campus interviews and they are now working in prime companies.

PLACEMENT THROUGH CAMPUS - 2024-25

 Chaudhari Saddam Sokat Ali (Umarwada, Ankleshwar) AM/NS Hazira Surat	 Shah Mehmud Abdullirfan (Hathuran, Kosamba) AM/NS Hazira Surat	 Munshi Mo.Zuber Mo.Asif (Surat) AM/NS Hazira Surat	 Vashi Ammar Majidbhai (Kim) AM/NS Hazira Surat	 Ansari Mo.Sahil Mo.Parvez (Dadhah, Ankleshwar) AM/NS Hazira Surat	 Patel Mayur Kantibhai (Surat) Saint Gobain, Jhagadia	 Mamuji Irfan Yakub (Kharod, Ankleshwar) Ansa Deco Kosamba
 Pahadji Asraf Gulam Husain (Hathuran) Ansa Deco Kosamba	 Singh Abhay Digvijay (Panoli) Ansa Deco Kosamba	 Saiyed Irshad Imran (Kapedara Gam, Ankleshwar) Kirkoskar Chillers Pvt. Ltd.	 Patel Varish Virendrasingh (Kosamba) First Front Solar Energy, Surat	 Shaikh Sakib Abdul Samad (Dinod) First Front Solar Energy, Surat	 Shaikh Moh. Fazil Bilal (Kapedra, Ankleshwar) Torrent Power, Surat	 Shaikh Aiyyan Sarfaraz (Kosamba) Torrent Power, Surat

Our Recruiters

Student's Messages

"From Circuits to Success: Our Journey"



SHAH MEHMUD ABDULIRFAN
226010309045

The department feels like a family. The staff is always available—during college hours or after—to guide us through challenges. Their encouragement during presentations, exams, and project reviews boosted our confidence every step of the way.



MUNSHI MO. ZUBER MO. ASIF
226010309019

This department didn't just teach us circuits and machines—it taught us confidence, discipline, and dreams. Behind every achievement stood our faculty, patiently guiding us, even when we doubted ourselves. Their silent support was our biggest strength.



PAHADJI ASRAF GULAM HUSAIN
226010309022

To us, the department was more than classrooms and labs—it was a second home. The way our teachers guided us through technical doubts and personal worries made all the difference. We'll miss those caring voices every day.



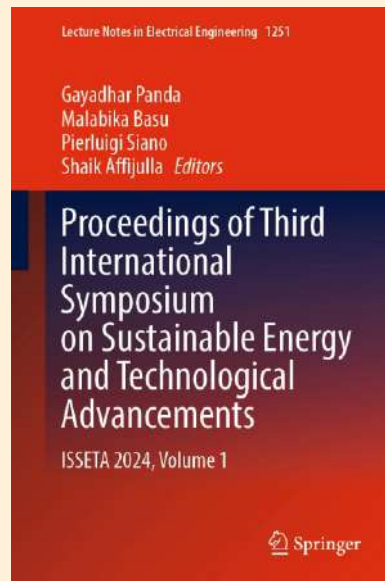
SINGH ABHAY DIGVIJAY
226010309053

As we prepare to leave, it's the words of our teachers and the warmth of our department that we carry forward. Their quiet dedication has left an unerasable mark on our lives. Thank you for shaping us.

Publishment of Book Chapter in Springer Book Series



Mr. Mahmedsaid A. Sheikh has published a research paper of title "Bi-orthogonal Wavelet Function-Based Transmission Line Protection to Improve Grid Reliability" Published as a book chapter in springer book series "Lecture Notes in Electrical Engineering"



Staff Achievement We are delighted to announce that Mr. Sheikh Mahmedsaid Abdul Rahim, Lecturer in the Electrical Engineering Department, has achieved a significant academic milestone through the publication of his research paper titled: "Bi-orthogonal Wavelet Function-Based Transmission Line Protection to Improve Grid Reliability". This paper has been published in the prestigious Springer book series "Lecture Notes in Electrical Engineering" (LNEE, Volume 1142). It presents a practical and innovative approach to improving protection systems for low-voltage radial distribution feeders—an area of high relevance to modern electrical networks.

The publication is available online and can be accessed via the DOI link below:??
https://doi.org/10.1007/978-981-97-6976-6_24

This accomplishment highlights the department's ongoing commitment to research, innovation, and academic excellence.