



## A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)

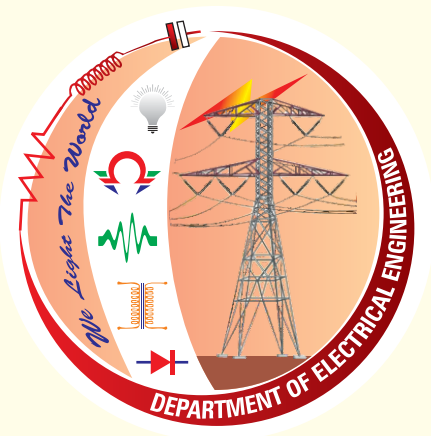
Kosamba-Mahuvej Road, Kosamba, Dist. – Surat.

# 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!



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## ELECTRICAL ENGINEERING DEPARTMENT

**Message from  
Training & Placement  
Officer, A.Y.D.T.I**



It is a matter of great pride and satisfaction to be a part of the vibrant Electrical Engineering Department at A.Y. Dadabhai Technical Institute, Kosamba. As both a faculty member and the Training and Placement Officer, I have had the privilege of witnessing the dedication, innovation, and growth demonstrated by our students and faculty.

The department continuously strives to blend academic excellence with practical exposure, empowering students with the technical knowledge and skills required in today's competitive world. Our efforts in training and placement are focused on building strong industry connections and preparing students to excel in their professional journeys.

I commend the team for their hard work and commitment, and I look forward to many more milestones together. Let us keep pushing boundaries and shaping a brighter future for our budding engineers.

**Mr. M.A. Sheikh**

### 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 Suratee 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

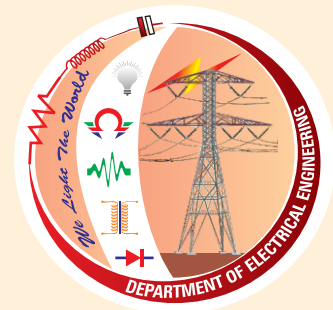
Digital Electronics & Microprocessor Lab

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 2023-24

SR.NO	DATE	SEM	VISITED INDUSTRY / ORGANIZATION	RELATED SUBJECT OF VISIT	NUMBER OF PARTICIPANTS
1	7/6/2023	4th	SAINT GOBAIN	Distribution & Utilization of Electrical Energy	36+3
2	13/9/2023	5th	Brindavan Phosphates Private Limited.	Power Electronics	29+4
3	11/10/2023	5th	TECHMIND PLC TRAINING CENTRE	Power Electronics	29+2
4	4/11/2023	5th	UKAI HYDRO POWER PLANT	Switchgear & Protection	30+4
5	7/12/2023	3rd	KAKRAPAR ATOMIC POWERSTATION	Electrical Power Generation & Transmission	49+4
6	13/2/2024	5th	TECHMIND PLC TRAINING CENTRE	Microprocessor & Controller	30+2
7	2/5/2024	4th & 6th	Rawal Vansia Solar power plant (Dinod)	Green Technology & Distribution & Utilization of Electrical Energy	67+ 4
8	18/5/2024	4TH	DINOD Substation	Distribution & Utilization of Electrical Energy	36+3
9	21/5/2024	4th	PGP GLASS PVT LTD	Distribution & Utilization of Electrical Energy	36+3



## EXPERT LECTURE'S ORGANISED DURING THIS YEAR 2023-24

Sr.No.	Date	EXPERT TOPIC	Expert Name	Sem	Designation	Expert Organization	No of Participants
1	6/4/2023	Selection & Testing of LV Switchgear	Mr. Jay Patel	6th sem	Assistant Professor	UKA Tarsadia, Maliba University, Bardoli	42
2	30/5/2023	plc & scada	Mr. Gaurav Singh	4th&6th	Trainer	TECHMIND Industrial automation training	60
3	16/9/2023	DC Machines & Transformer	Mr. V.K Patel	3rd	HOD	R. N. G polytechnic Bardoli	41
4	16/9/2023	TRACTION	Mr. C.J. Bhaidasna	5TH	Retired Section Engineer	Railway (Electric Locoshade Valsad)	30
5	22/9/2023	Switchgear & Protection	Mr. Vikas Yadav	5th	Owner	Ohm Eletrical Engineers	31
6	23/9/2023	Power Electronics	Mr. Sayyed Yaseen	5th	Senior Engineer	L&T Technology Services	31
7	24/9/2023	Fundamental of Electronics	Mr. Sayyed Yaseen	3rd	Senior Engineer in R&D department	L&T Technology Services	41
8	29/9/2023	Entrepreneurship Development	Mr. Hemraj Vaghela	3rd & 5th	Owner	Planets Sales	72
9	8/4/2024	New Digital Technology	Mr. Dinanath Akela	6th sem	Energy Consultant	Hazira Industries	25



## STUDENT'S CORNER

No.	Students Activity
1	Organized "PRAKALP" Project Competition
2	World Environment Day Celebration
3	International Yoga Day Celebration
4	78th Independence Year-Azadi Ka Amrit Mohatsav
5	Teacher's Day Celebration
6	Sports Event - "RANBHUMI"
7	Student's Internship

### Organized "PRAKALP" Project Competition



On April 20, 2024, A. Y. Dadabhai Technical Institute (Polytechnic), Kosamba hosted a dynamic event called PRAKALP 2024 "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 30 students representing all four departments, the fair fostered healthy competition and aimed to elevate participants' technical skills.

## World Environment Day Celebration



## International Yoga Day Celebration

On 21st June 2023 at A.Y. Dadabhai Technical Institute, Kosamba, had arranged “Yoga Shibir” for 1st year students of diploma engineering at Seminar hall of “B” wing. This year, the theme for International Yoga Day 2023 is 'Yoga for Vasudhaiva Kutumbakam,' effectively encapsulating our collective aspiration for 'One Earth, One Family, and One Future.' Ministry of AYUSH has chosen this theme for the 9th International Day of Yoga 2023 to be organized in India and across the globe on June 21, 2023.



## 78th Independence Year-Azadi Ka Amrit Mohatsav



78th Independence Day Live: The government of India has declared the theme for Independence Day celebrations this year as Viksit Bharat or Developed India which represents the vision of a developed nation by 2047 and reflects the centre commitment to transform India.

The 78th independence day of India, the ceremony of honesty, the ceremony of pride, the ceremony of freedom has celebrated in whole India. Impart of that, the national independence day was celebrated in A. Y. DADABHAI TECHNICAL INSTITUTE, with full grace and patriotism.

On this occasion of “**Azadi ka Amrit Mahotsav**”, Gujarat Technological University had declared guidelines regarding performing such activities in the month of August-2024. So we had organised such activities as mention below.

Sr. No.	Date	Event
1	13/08/2024	Tiranga Rally
2	14/08/2024	Quiz Competition

## Quiz Competition

Our institute had organized Quiz competition to enhance awareness and knowledge of history of Independence of India.

In Quiz competition 85 students has participated and they made such a wonderful event.



## Tiranga Rally

Our institute had organized Tiranga rally on theme of “HAR GHAR TIRANGA” on 13th Aug 2024. Around 120 to 130 students participated and exited for this rally. Institute has provided 100 National flag to students. Route of rally was AYDTI campus to kosamba village with slogan like Bharat mata ki jai, Inqalab jindabad, Jai javan jai kishan etc. Students also pinning digital flag, selfies with tiranga and being a part of HAR GHAR TIRANGA campaign.



## Teacher's Day Celebration

The Teachers' Day celebration at A.Y. Dadabhai Technical Institute, Kosamba was held on 5th September 2023 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 G-20 for the Year 2023, 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-2023" sports event under the theme of G- 20 Summit and Managed by the students on 17th to 21th March 2023. It included 3 Outdoor Games with 279 boys and 40 girls' cumulative numbers of participants.



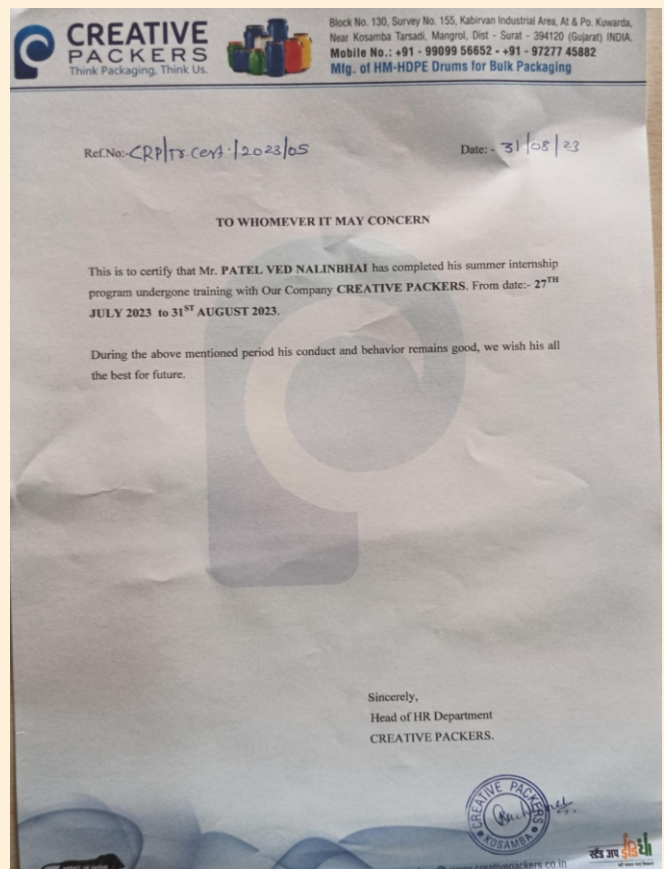
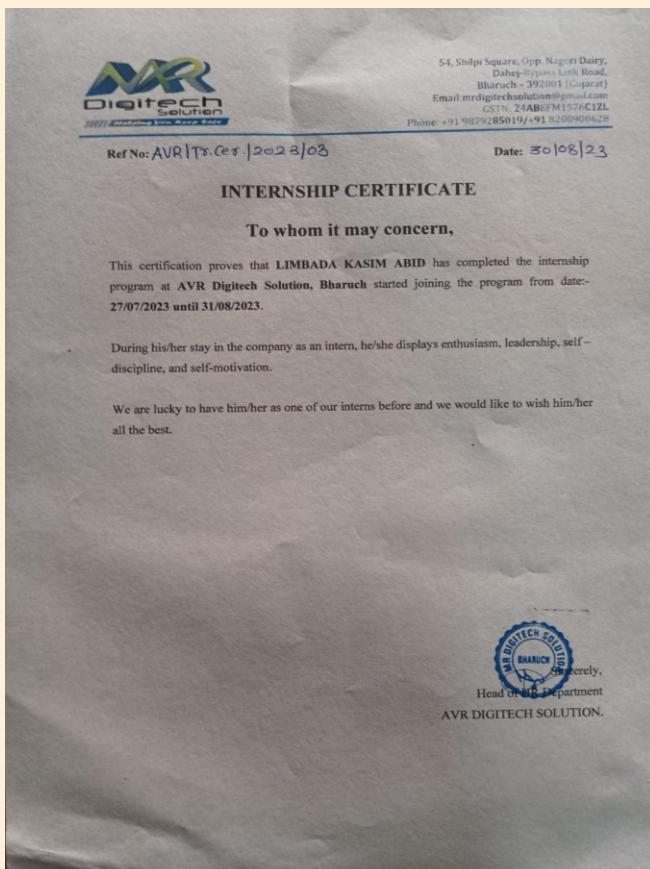
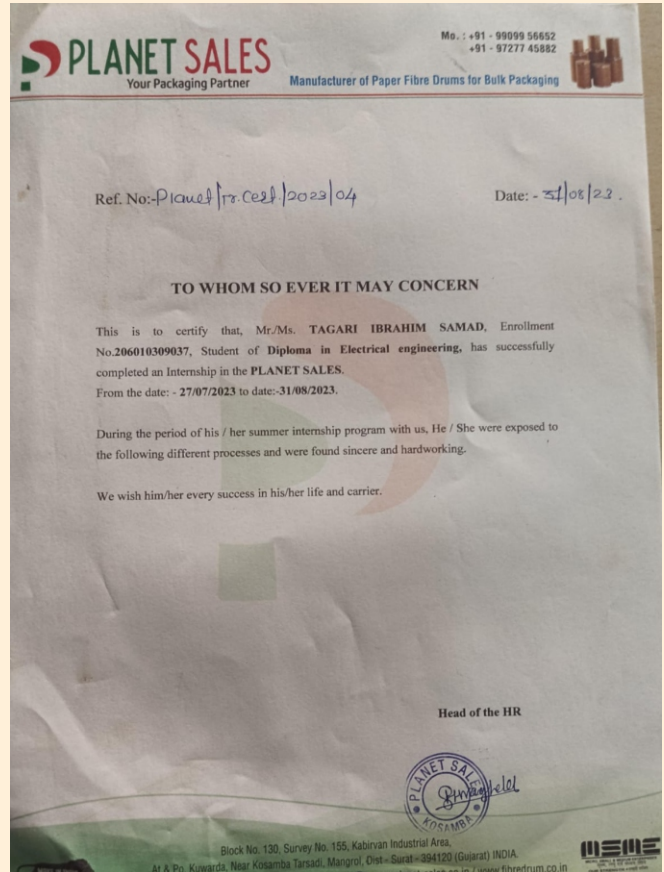
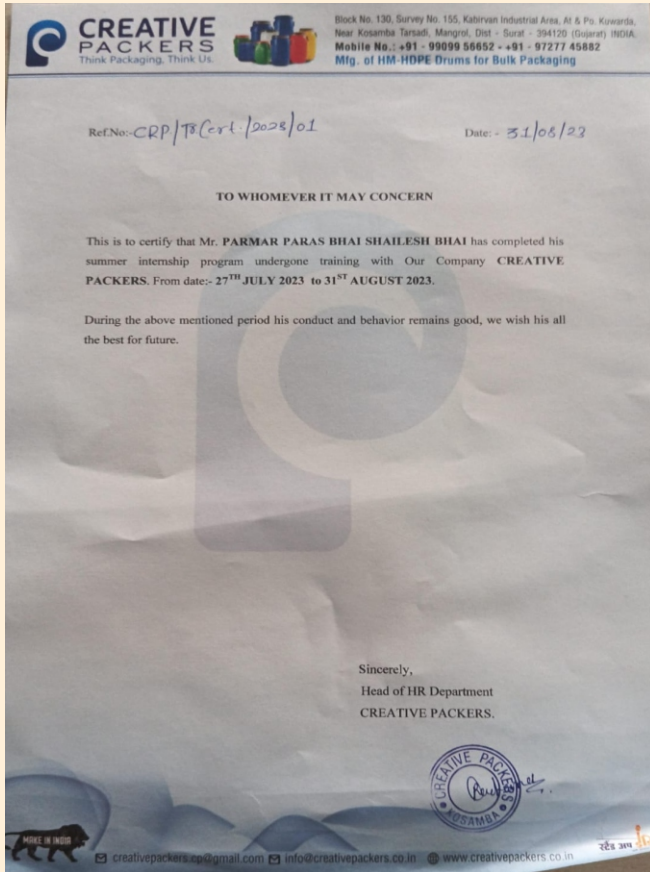
On the Occasion of India Hosting "VIKSHIT BHARAT-2047" for the Year 2024, A. Y. Dadabhai Technical Institute, Kosamba organizes many events & one of the most necessary Sports Event for overall development of Students. A.Y. Dadabhai Technical Institute, Kosamba has organized the "RANBHUMI-2024" sports event managed by the students which includes 3 Outdoor Games and 5 indoor games with 362 boys and 66 girls' cumulative numbers of participants from 5th Feb-2024 to 9th Feb-2024.



# Student's Internship

Student's Internship After 1st Year	
No. of Student's	No. of Company
59	16

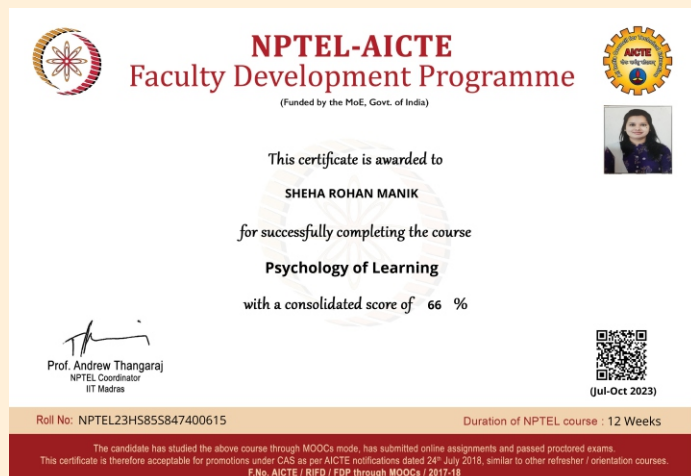
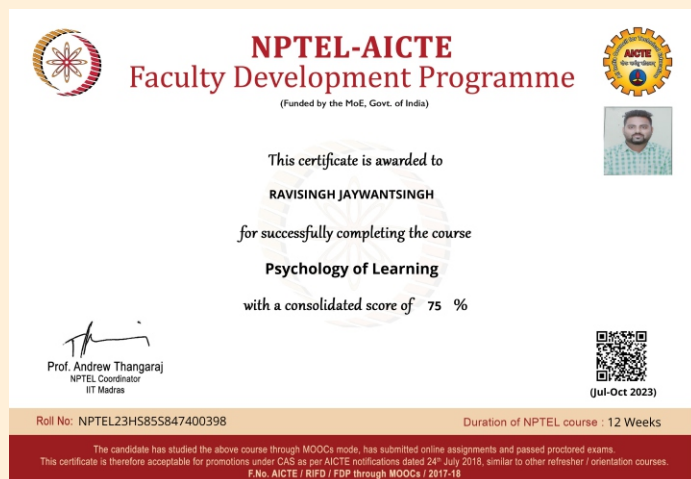
Student's Internship After 2nd Year	
No. of Student's	No. of Company
28	08



# 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	MRS.SNEHA ROHAN MANIK	ELECTRICAL	FDP Application of Power Electronics in Power System	Dr.S&S.S.GHANDHY COLLEGE OF ENGINEERING AND TECHNOLOGY , SURAT	5	OFFLINE	19-6-2023 TO 23-06-2023
2	MR. RAVISINGH JAYWANTSINGH	ELECTRICAL	FDP Application of Power Electronics in Power System	Dr.S&S.S.GHANDHY COLLEGE OF ENGINEERING AND TECHNOLOGY , SURAT	5	OFFLINE	19-6-2023 TO 23-06-2023
3	MRS.SNEHA ROHAN MANIK	ELECTRICAL	Psychology of Learning	SWAYAM	12 Weeks	ONLINE	24/7/2023
4	MR. SAEED SHEIKH	ELECTRICAL	Psychology of Learning	SWAYAM	12 Weeks	ONLINE	24/7/2023
5	MR. RAVISINGH JAYWANTSINGH	ELECTRICAL	Psychology of Learning	SWAYAM	12 Weeks	ONLINE	24/7/2023
6	MISS MAMTA VANSIA	ELECTRICAL	Psychology of Learning	SWAYAM	12 Weeks	ONLINE	24/7/2023
7	MISS MAMTA VANSIA	ELECTRICAL	FDP Electric Vehicle Technology & Its Advantages	Dr.S&S.S.GHANDHY COLLEGE OF ENGINEERING AND TECHNOLOGY , SURAT	5	OFFLINE	19-02-2024 TO 23-02-2024



## Our Achievers

**A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)  
KOSAMBA**  
DEPARTMENT OF ELECTRICAL ENGINEERING


**TOPPER STUDENT'S LIST**  
1<sup>st</sup> SEM APRIL 2024 (BATCH 2023)




**ANSARI RAHID RASHID**  
Rank : 1st / SPI : 9.10




**KHAN MASOOD AHMAD NISHAR AHMAD**  
Rank : 1st / SPI : 9.10




**PATEL MOHAMMAD ANISH IMRAN**  
Rank : 1st / SPI : 9.10



**CHOKSI AHMAD ANAS**  
Rank : 2nd / SPI : 8.90



**PATEL MOHAMAD TAIYIB MUSTAK**  
Rank : 3rd / SPI : 8.76



**SAIF ALI GAFUR ANSARI**  
Rank : 3rd / SPI : 8.76

**A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)  
KOSAMBA**  
DEPARTMENT OF ELECTRICAL ENGINEERING

**TOPPER STUDENT'S LIST**  
3<sup>rd</sup> SEMESTER (BATCH 2022-23)



**TANKARIWALA JAINUL IRFAN ALLI**  
SPI : 9.82



**MAMUJI IRFAN YAKUB**  
SPI : 9.57



**PAHADJI ASRAF GULAM HUSAIN**  
SPI : 9.57



**SHAH MEHMUD ABDULLIRFAN**  
SPI : 9.35

**A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)  
KOSAMBA**  
ELECTRICAL ENGINEERING DEPARTMENT

**TOPPERS 5<sup>th</sup> SEMESTER FEBRUARY 2024**  
★ Winter - 2023 Exam ★



**UNIA RIZWAN SADIK**  
RANK - 1st / SPI : 9.63



**CHAUHAN JAYESHKUMAR B. YUSUF**  
RANK - 2nd / SPI : 9.21



**MIRZA USMANGANI YUSUF**  
RANK - 3rd / SPI : 9.16



**PATEL RUDRAKUMAR JITENDRABHAI**  
RANK - 3rd / SPI : 9.16

**A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)  
KOSAMBA**  
DEPARTMENT OF ELECTRICAL ENGINEERING

**TOPPER 2<sup>nd</sup> SEMESTER (BATCH - 2023)**



**PATEL MOHAMMADANISH IMRAN**  
SPI : 9.07



**PATEL SMIT RAJENDRABHAI**  
SPI : 8.30



**PATEL MOHAMAD TAIYIB MUSTAK**  
SPI : 8.09

**A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)  
KOSAMBA**  
DEPARTMENT OF ELECTRICAL ENGINEERING

**TOPPER 4<sup>th</sup> SEMESTER (BATCH - 2022)**



**MUNSHI MO.ZUBER ASIF**  
SPI : 9.56



**MIRZA MUZAMMIL FARUK**  
SPI : 9.33



**TANKARIWALA JAINUL IRFAN ALLI**  
SPI : 9.22

**A.Y. DADABHAI TECHNICAL INSTITUTE (POLYTECHNIC)  
KOSAMBA**  
DEPARTMENT OF ELECTRICAL ENGINEERING

**TOPPER 6<sup>th</sup> SEMESTER (BATCH - 2021)**



**UNIA RIZWAN SADIK**  
SPI : 9.56



**MIRZA USMANGANI YUSUF**  
SPI : 9.56



**VASAVA MOXESH MAHESHBHAI**  
SPI : 9.33



**CHAUHAN JAYESHKUMAR B. SURESHBHAI**  
SPI : 9.11



**DINAT SAVBAN MO.SAEED YAKUB**  
SPI : 9.11



**SINH SHIVAM AMIT**  
SPI : 9.11



**VASAVA TAMANNA SURESHBHAI**  
SPI : 9.11

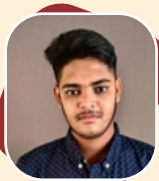
## Placements

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

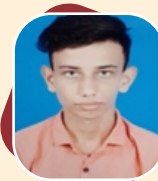
### PLACEMENT THROUGH CAMPUS - 2023-24



**Singh Shivam Amit**  
Arcelor Mittal Nippon Steel India



**Limbada Kasim Abid**  
Arcelor Mittal Nippon Steel India



**Mirza Usmangani Yusuf**  
Arcelor Mittal Nippon Steel India



**Chauhan Jayesh Bhupendrabhai**  
Arcelor Mittal Nippon Steel India



**Rathod Mihir Vijaybhai**  
Arcelor Mittal Nippon Steel India



**Shah Shahid Abdul Rahim**  
Arcelor Mittal Nippon Steel India



**Parmar Virenkumar Jagdishbhai**  
Reliance Industries



**Mistry Prem Avinashbhai**  
SRF Limited (Dahej Unit)



**Vasava Moxeshkumar Maheshbhai**  
SRF Limited (Dahej Unit)

## Student's Messages

### "From Circuits to Success: Our Journey"



**SINGH SHIVAM AMIT**  
**216010309049**

The Electrical Engineering Department has consistently inspired us through a balance of theory and practical. The faculty's dedication to lab work, timely guidance, and support in projects helped us develop practical skills and deep technical understanding.



**Mirza Usmangani Yusuf**  
**216010309017**

Throughout our academic journey, the department has focused on quality education and skill development. Faculty members encouraged innovation and critical thinking, helping us build confidence through mini-projects, seminars, and technical events.



**Chauhan Jayeshkumar Bhupendrabhai**  
**216010309004**

ઈલેક્ટ્રીકલ ડિપાર્ટમેન્ટમાં અમને ઉચ્ચ સ્તરની તાલીમ અને પ્રેરણાદાયક માર્ગદર્શન મળ્યું. સ્ટાફ દ્વારા આપવામાં આવેલ પ્રાયોગિક અનુભવ અને ટેકનિકલ માર્ગદર્શનના કારણે આજે અમે આત્મવિશ્વાસ સાથે ઉદ્યોગમાં આગળ વધવા માટે તૈયાર છીએ.



**Vasava Moxeshkumar Maheshbhai**  
**216010309057**

From the first year to the final semester, the faculties has been our backbone. Their mentorship goes beyond academics—helping us in personal growth, project work, and career planning. Their experience and knowledge have truly shaped our future.

## Our Recruiters



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