

K. D. POLYTECHNIC, PATAN.



ELECTRICAL ENGINEERING

(NBA Accredited Program)



E - News Letter



(Edition - 11th: 01/01/2026 to 30/06/2026)

(Term: 252)

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1. Message by Head of Electrical Engineering Department



From HOD's Desk

I am feeling honoured and excited to announce that **11th edition** of our **E-Newsletter (SPARK)** of electrical engineering department for the duration of January – 2026 to June – 2026 is all set to publish online. This is our venture to collect the plethora major happening in electrical engineering department of K. D. Polytechnic, Patan and encapsulate them in the form of **E-Newsletter (SPARK)**.

E-Newsletter (SPARK) is the result of combined requirements of NBA accreditation, Digital India initiative and our Go Green Policy.

We at Electrical department of K. D. Polytechnic, Patan ensure the active participation of students in various curricular and extra – curricular activities in and outside institute.

I appeal students and visitors to spare some moments to read to this **E-Newsletter (SPARK)** available with our college website and encourages us in our new venture.

I hope our **E-Newsletter (SPARK)** will create its unique place among the minds of readers.

On this occasion, I take this opportunity to appreciate entire editorial team of (SPARK) and specially student members for their efforts to make things happen.

**With Warm Regards,
Shri J. B. Bhati
Head of Electrical Engineering Department**

2. Editorial Board of E-Newsletter (SPARK)

Editor in Chief	Mr. J. B. Bhati (In charge Head of Electrical Engineering Department)
Coordinator	Mr. R. D. Modi (Lecturer in Electrical Engineering Department)
Teacher Editor	Mrs. B. R. Sevkani (Lecturer in Electrical Engineering Department)
Students Editors	Solanki Heli M. (Semester – 6 th , Electrical Engineering)
	Patel Neel K. (Semester – 6 th , Electrical Engineering)
	Thakor Riyaben H. (Semester – 4 th , Electrical Engineering)
	Jayswal Bhavy M. (Semester – 4 th , Electrical Engineering)
	Shrimali Happy D. (Semester – 2 nd , Electrical Engineering)
	Suthar Krishil S. (Semester – 2 nd , Electrical Engineering)

It is a matter of great pride to present E-Newsletter (SPARK) of Electrical engineering department of K. D. Polytechnic, Patan.

As you know, E-Newsletter (SPARK) has been magnanimous creation of electrical engineering department and it is the result of all members of editorial board, concerned authorities and students of electrical engineering department who nourished this 'thought seed', now blossomed as plant.

As an editor in chief, I express a deep sense of gratitude for all those who directly or indirectly contributed for making this E-Newsletter (SPARK) of Electrical engineering department of K. D. Polytechnic, Patan. A plethora of departmental progress and achievements.

I thankful to our all faculties of electrical engineering department and editorial board for their guidance and cooperation time to time to bring out this E-Newsletter (SPARK).

With Best Wishes,

Mr. J. B. Bhati
(Editor in Chief)

3. Vision, Mission, PEOs and PSOs of Electrical Engineering Department



Vision of Electrical Engineering Department:

To be a committed department to deliver quality technical education to create ethically sound and well-trained electrical engineers for industries and society.

Mission of Electrical Engineering Department:

- 1) To impart quality technical education through good academic infrastructure and well-equipped laboratories.
- 2) To enhance technical skills to become competent electrical engineers by industry interaction.
- 3) To promote entrepreneurship skills and leadership skills through co-curricular and extra-curricular activities.
- 4) To inculcate social responsibilities and problem-solving skills of day-to-day life to serve the society and industries.

Program Educational Objectives of Electrical Engineering Department (PEOs):

- 1) Manage own electrical engineering enterprise.
- 2) Adapt the changing technologies to solve the electrical engineering problem for societal needs.
- 3) Develop proficiency in maintaining various electrical equipment.

Program Specific Objectives of Electrical Engineering Department (PSOs):

- 1) Maintain various types electrical equipment.
- 2) Undertake the electrification of commercial and multi storied buildings.

4. NBA Accreditation status of Electrical Engineering Program

Sr. No.	NBA Procedure	Status
1	NBA Application File No.: 20-147-2021-NBA	06/12/2023
2	Student Faculty Ratio (SFR)	24.17
3	Self-Appraisal Report (SAR) filled by Electrical Engineering Department	18/03/2023
4	Mock NBA visit conducted for Electrical Engineering Program	13/10/2023
5	Dates of NBA Visit	20/10/2023 21/10/2023 22/10/2023
6	Team of NBA Visit 1) Prof. Syed Tariq Jilani 2) Prof. Chaskar Madhavrao Uttam	----- Chairperson Electrical Expert
7	Total Marks of NBA Visit	1000
8	Marks Obtained by Electrical Engineering Department in NBA Visit	638
9	Final Status of NBA Accreditation of Electrical Engineering Program	Got NBA Accreditation
10	Duration of NBA Accreditation for Electrical Engineering Program	Till 30/06/2026
11	Date of Re-NBA Visit (Verification of Compliance Report)	22/05/2026

Honourable Experts of N.B.A. team

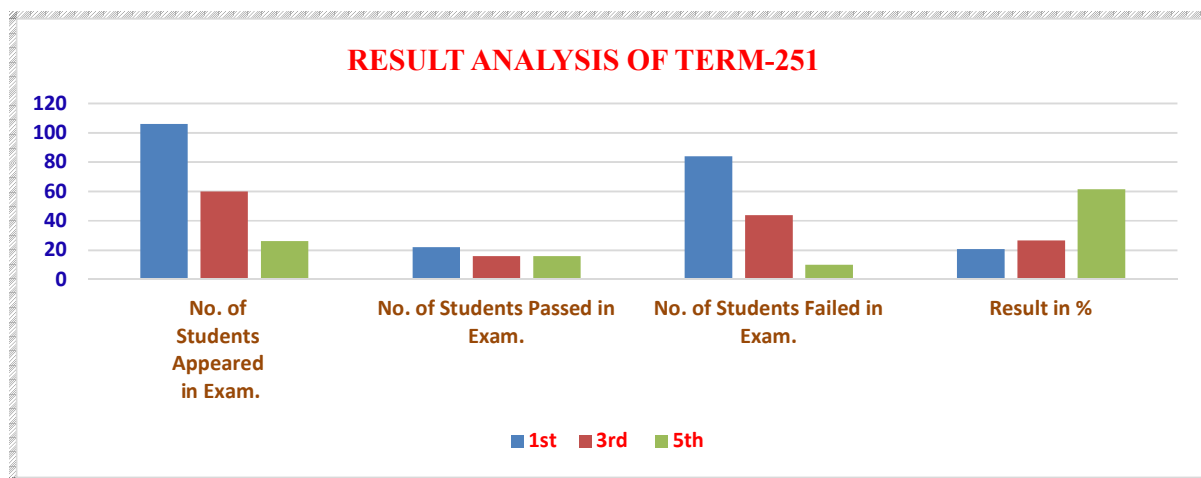


5. Highlights and Staff positions of Electrical Engineering Program

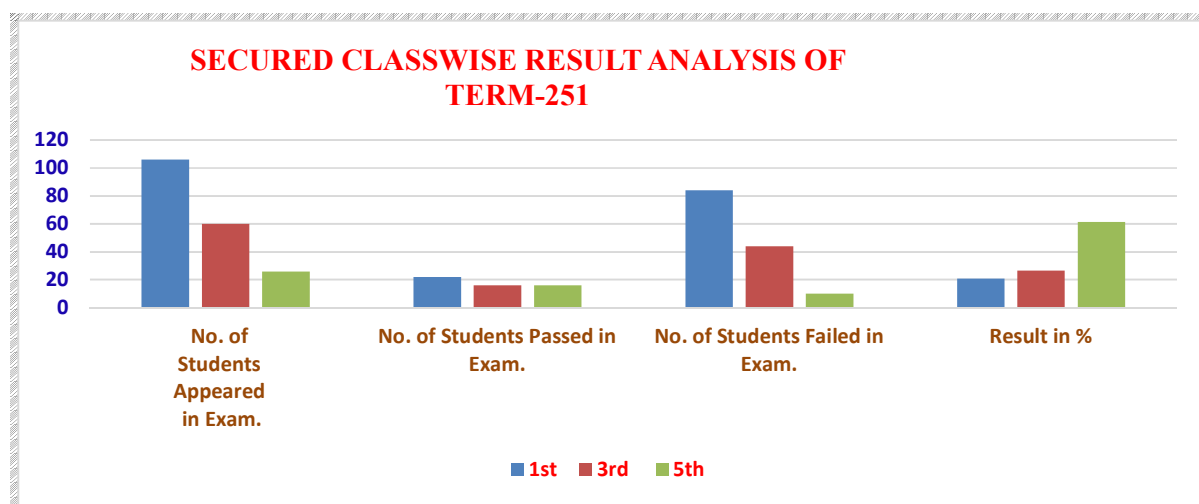
Institute code of GTU		631	
Diploma in Electrical Engineering code of GTU		09	
Intake of Diploma in Electrical Engineering for the year - 2023		90	
Highlights of Electrical Engineering Department			
1	Plenty of opportunities for overall development of students along with teaching learning process.		
2	Highly qualified, hardworking and ample confidence teaching staff.		
3	Congenial teaching and learning environment.		
4	Analytical approach, design and practical based teaching learning system.		
5	Extra coaching classes for weak students.		
6	Excellent counselling and academic follow up system with experienced faculties.		
7	Well facet classrooms and audio-visual facilities.		
8	Departmental library for teaching staff.		
9	Women empowerment cell activities by the department.		
Faculty and Staff position during July – 2023 to December – 2023			
Sr. No.	Designation	Educational Qualification	No. of Filled Posts
1	Head of Department (Class – 1)	M.E./M. Tech	00
2	Lecturer (Class – 2)	M.E./M.Tech	08
3	Lecturer (Class – 2)	B.E./B.Tech	06
4	Lecturer (Ad hoc)	B.E./B.Tech	01
5	Lab. Assistant	-----	00
6	Instructor	-----	00
7	Hamal	-----	01

6. Result Analysis of Electrical Engineering Program for the Semester – 1st, 3rd, and 5th of the Term-251

Sr. No.	Semester	No. of Students Appeared in Exam.	No. of Students Passed in Exam.	No. of Students Failed in Exam.	Result in %
1	1 st	106	22	84	20.75 %
2	3 rd	60	16	44	26.67 %
3	5 th	26	16	10	61.54 %



Sr. No.	Semester	No. of Students Secured Distinction in Exam.	No. of Students secured First Class in Exam.	No. of Students secured Second class in Exam.	No. of Students secured Pass Class in Exam.
1	1 st	14	04	02	02
2	3 rd	07	04	02	03
3	5 th	04	06	03	03



**7. Sparkling Stars of Electrical Engineering Program of GTU Exam.
Term – 251**

SPI Toppers of 1st Semester: (Term-251)

Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	256310309024	HAPPY DINESHKUMAR SHRIMALI	8.38	FIRST	
2	256310309086	SUTHAR KRISHIL SHAILESHBHAI	8.33	SECOND	
3	256310309076	RAJPUT PRUTHVISINH KIRITSINH	8.24	THIRD	

SPI Toppers of 3rd Semester: (Term-251)

Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	246310309029	KAKANI NILKUMAR RAKESHBHAI	8.41	FIRST	
2	246310309039	NAGORI NADIMHUSEN NYAZMAHMAD	8.18	SECOND	
3	246310309099	THAKOR JEET JIVANJI	8.14	THIRD	

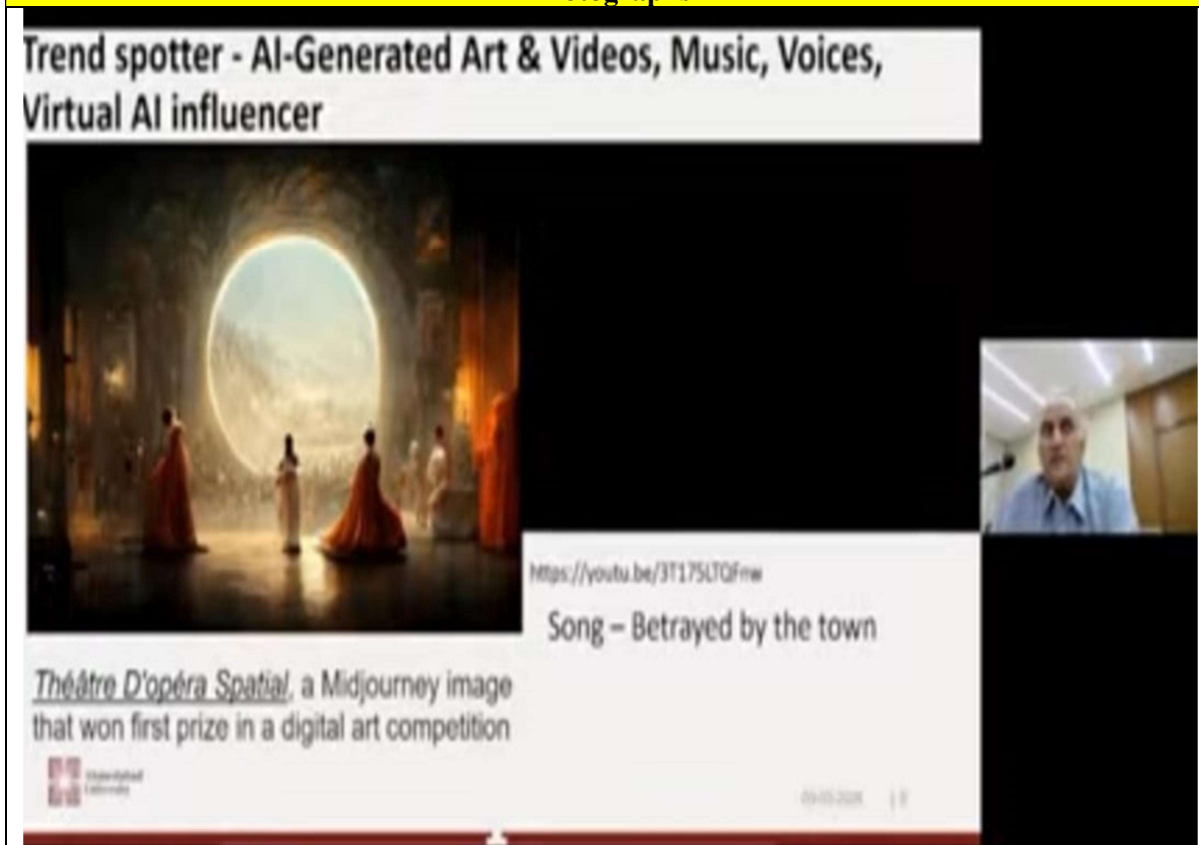
SPI Toppers of 5th Semester: (Term-251)

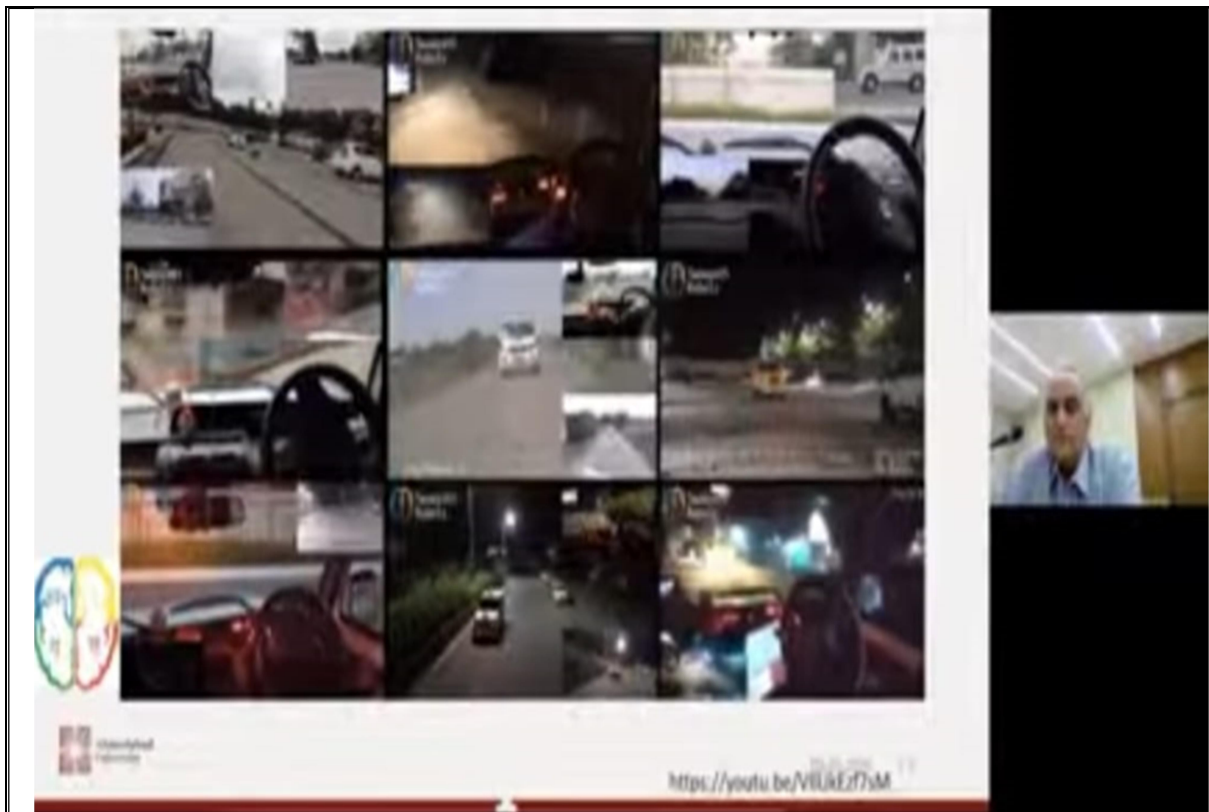
Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	236310309024	MANSURI MOHAMADSOHEL MOHAMADSAEED	8.89	FIRST	
2	236310309010	CHAUDHARY KAMLESHBHAI DASHARATHBHAI	8.37	SECOND	
3	236310309060	PRAJAPATI PARTHKUMAR MANSUKHBHAI	8.32	THIRD	

8. Webinar for the students

Title of Webinar	India AI Summit Impact: Learning & Road ahead for Tech education
Date	09/03/2026
Time	02:00 pm Onwards
Venue	D-103, Academic Block, K. D. Polytechnic, Patan
Expert Speaker	Shri B.H. Talati sir (IAS, Commissioner) & Other Experts
No. of Students	Semester-2: 88, Semester – 4: 60, Semester – 6: 20 Total Students Participated: 168
No. of Faculties	11 (Eleven)
Description	Webinar on the date: 09/03/2026 organized by CTE regarding “India AI Summit Impact: Learning & road ahead for Tech education”, The India AI Summit highlights the growing importance of Artificial Intelligence in transforming industries and education. It emphasizes the need for technical institutions to integrate AI, data science, and emerging technologies into curricula to prepare students for future industry demands. The key learning is to promote interdisciplinary skills, innovation, and industry collaboration, while the road ahead focuses on strengthening research, practical training, and ethical AI development in tech education.

Photographs





9. Workshop for the students

Title of Workshop	A Work shop on Arduino and its Application
Date	11/3/2026 TO 13/3/2026
Time	10:30 onwards
Venue	E-206, New Laboratory Wing, K. D. Poly., Patan
Expert Speaker	Mr. P. A. Patel and Mr. B. D. Patel
No. of Students	38
No. of Faculties	13
Description	Step into the world of innovation with our hands-on Arduino workshop, designed for students, hobbyists, and tech enthusiasts eager to bring their ideas to life. Arduino is more than just a microcontroller—it's a gateway to creating interactive systems, automating tasks, and prototyping real-world solutions. In this workshop, you'll not only learn the fundamentals of Arduino programming but also explore its practical applications in robotics, IoT, automation, and sensor-based projects. Guided by experienced mentors, you'll move from basic concepts to building functional prototypes—turning theory into tangible results.

Photographs





10. Seminar for the students

Title of Seminar	Nasamukti
Date	26/02/2026
Time	04:00 pm Onwards
Venue	D-004 New Academic Block, K. D. Polytechnic, Patan
Expert Speaker	Mr. Maheshbhai, Officer from Arogya Department
No. of Students	70
No. of Faculties	09
Description	As per the instruction from email ડીટીઈ/એકે./ક(૪)/e-file -0005 /૨૦૨૫/ of DTE admin on dated 24/02/2026, Nasamukti Seminar was organised a on dated 26/02/2026, from 01:00 pm. Gymkhana of this institute circulated circular to take part in the program to all departments and instructed to circulate the same to all 2 nd students of this institute. Faculties and Students of this institute followed the instructions and they have participated in the program. Shri Maheshbhai from Arogya dept was the speaker. Students were aware about Nasamukti by this event.

Photographs



11. Academic Visit for the students

Title of Academic Visit	Academic Visit to the Center of Excellence
Date	10/1/2026
Time	10:30 ONWARDS
Venue	Ganpat University, Kherva
Expert Speaker	Mr. U. V. Patel
No. of Students	32
No. of Faculties	02
Description	The Center of Excellence at Ganpat University is a state-of-the-art facility dedicated to advancing various fields, including Additive Manufacturing and Horticulture. The Additive Manufacturing Center collaborates with Stratasys Ltd. to enhance 3D printing technologies, providing students with practical insights and opportunities for hands-on learning. The Horticulture Center serves as a demonstration and training center for the latest technologies in horticulture, focusing on vegetables and citrus farming. It also offers planting material and supports the development of new crops. Ganpat University is recognized for its commitment to quality education and innovation, making it a significant player in the academic landscape. These centers reflect Ganpat University's dedication to fostering academic excellence and providing students with valuable experiences in their respective fields.

Photographs



12. Thalassemia Test for the first-year students

Title of Event	Thalassemia Test for the First-year students
Date	11/02/2026
Time	01:00 pm Onwards
Venue	Seminar Hall, Block-F, K. D. Polytechnic, Patan
No. of Students	38
No. of Faculties	04
Description	As per the instruction from DTE and GTU, Gymkhana Cell had organized a Thalassemia Test for those students who have not undergone this test. The test was organized on 11/02/2026 in the Seminar Hall of Computer Building in K D Polytechnic Patan. Gymkhana of this institute contacted Indian Red Cross Society Ahmedabad for the test, circulated circular and instructed to circulate the same to all first-year students of this institute. Faculties and Students of this institute followed the instructions. Red Cross Society Ahmedabad arrived in the institute, aware about the importance of the test and had taken the blood sample of the Students. They will provide the report within a week.

Photographs



13. Celebration of Republic Day - 2026

Title of Event	Celebration of Republic Day - 2026
Date	26/01/2026
Time	08:00 am
Venue	Garden area of K. D. Polytechnic, Patan
No. of Students	12
No. of Faculties	05
Description	As per the circular from Principal on dated 24/01/2026, organized an flag hoisting on dated 26/01/2026, from 8:30 am to 9:30am. Gymkhana of this institute circulated message to all departments and instructed to circulate the same to all students of this institute. Faculties and Students of this institute followed the instructions and they have joined in the organized program.

Photographs





14. Sports Week and Days Celebration - 2026

Title of Event	Sports Week and Days Celebration - 2026
Date	05/03/2026 to 07/03/2026
Time	College timing
Venue	Campus of K. D. Polytechnic, Patan
No. of Students	105
No. of Faculties	12
Description	As per Office Order નં.કેડીપી/જીમખાના/કચેરી આદેશ/Sports Week-2026/370, તા. 17/02/2026, this institute organized Sports Week & Days Celebration-2026 for all students of all programs for their overall development. Principal of K. D. Polytechnic, Patan assigned all arrangements for Sports Week 2026 to Gymkhana of this institute. Gymkhana Convener and members worked for that and prepared schedule of Sports Week and Days Celebration during 05/03/2026 to 07/03/2026. All students and faculties participated in various sports like Cricket, Volley ball, Badminton, Kho-Kho, Rassa Khench, Chess, Rangoli Competition and various days like Traditional Day, Group Day, and Signature Day. Winners and Runner up players were given Trophies and Certificates. All students and faculties enjoyed sports and made this celebration unforgettable.

Photographs







15. Training taken by Faculties of Electrical Engineering Department during January – 2026 to June - 2026

Sr. No.	Name of Faculty	Title of Training	Duration of Training	Remarks	Photo of Faculty
1	J. B. BHATI	AI in Human Resource Management	January – 2026 To April – 2026 (12 Weeks)	MOOC	
2	R. D. MODI	Foundation of Quantum Technologies	20/04/2026 To 24/04/2026 (01 Week)	FDP	
3	D. S. TRIVEDI	Entrepreneurship Development for the Space Sector	05/01/2026 To 10/01/2026 (01 Week)	STTP	
	D. S. TRIVEDI	Industrial Training at Coach International Technique Private Limited	09/06/2026 To 29/06/2026 (03 Weeks)	Industrial Training	
	D. S. TRIVEDI	Exploring Research Opportunities and Impactful Research	04/05/2026 To 08/05/2026 (01 Week)	STTP	
5	P. R. MISHRA	Industrial Training at Coach International Technique Private Limited	09/06/2026 To 29/06/2026 (03 Weeks)	Industrial Training	
9	A. R. JOSHI	Industrial Training at Coach International Technique Private Limited	09/06/2026 To 29/06/2026 (03 Weeks)	Industrial Training	

**16. Publication of Research Article by faculties during
January – 2026 to June - 2026**

Sr. No.	Name of Faculty	Title of Research Article	Name of Journal/ Conference	ISSN No. & Index	Issue & Volume	Photo of Faculty
1	Mr. A. R. JOSHI	Transient stability analysis of synchronous generator in Multi machine system using time domain method, Direct method and AI Method	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056	Issue:06, Volume: 13, June: 2026	
2	Mr. D. S. Trivedi	Transient stability analysis of synchronous generator in Multi machine system using time domain method, Direct method and AI Method	International Research Journal of Engineering and Technology (IRJET)	e-ISSN: 2395-0056	Issue:06, Volume: 13, June: 2026	
3	Mr. K. A. Prajapati	Performance Evaluation of Field Oriented Control based FEM-Parameterized PMSM Traction Drive using High Fidelity Resolver Feedback	International Journal of Technological Research in Engineering (IJTRE)	e-ISSN: 2347-4718	Issue:10, Volume: 13, June: 2026	
4	Mr. K. A. Prajapati	Dynamic Harmonic Analysis of AI based Current Control in a Single Phase Two-stage Grid connected PV System	International Journal of Technological Research in Engineering (IJTRE)	e-ISSN: 2347-4718	Issue:10, Volume: 13, June: 2026	

**17. Placement data of Electrical Engineering Program during
January – 2026 to June - 2026**

Sr. No.	Enrolment No.	Name of Student	Name of Company
1	236310309060	PRAJAPATI PARTH MANSUKHBHAI	MARUTI SUZUKI INDIA LIMITED
2	236310309099	ZALA ANILSINH HATHIBHA	MARUTI SUZUKI INDIA LIMITED
3	236310309017	GELOT PARSOTTAMBHAI RAMESHBHAI	BHAVANI INDUSTRIES INDIA LLP
4	236310309030	PARMAR HITESH JENTIBHAI	BHAVANI INDUSTRIES INDIA LLP
5	246318309004	BHIL DHARMIK HARESBBHAI	BHAVANI INDUSTRIES INDIA LLP
6	246318309014	PATEL ANUJ KUMAR PRAVINBHAI	BHAVANI INDUSTRIES INDIA LLP
7	236310309010	CHAUDHARY KAMLESHBHAI DASHARATHBHAI	RELIANCE INDUSTRIES LIMITED
8	236310309060	PARTHKUMAR MANSUKHBHAI PRAJAPATI	RELIANCE INDUSTRIES LIMITED
9	236310309099	ANILKUMAR HATHISINH ZALA	RELIANCE INDUSTRIES LIMITED
10	236310309086	THAKOR DILIPJI SONAJI	RELIANCE INDUSTRIES LIMITED
11	236310309060	PARTHKUMAR MANSUKHBHAI PRAJAPATI	JINDAL SAW LTD.

18. Creative Corner

Sketches by Shri R. J. Prajapati, Lecturer in Electrical Engineering Department



Shri J. B. Bhati
Editor in Chief
E-Newsletter (SPARK)