

# K. D. POLYTECHNIC, PATAN.



## ELECTRICAL ENGINEERING

(NBA Accredited Program)



## E - News Letter



(Edition - 8<sup>th</sup>: 01/07/2024 to 31/12/2024)

(Term: 241)

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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 8<sup>th</sup> edition of our **E-Newsletter (SPARK)** of electrical engineering department for duration of July– 2024 to December – 2024 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)

<b>Editor in Chief</b>	<b>Mr. J. B. Bhati</b> (In charge Head of Electrical Engineering Department)
<b>Coordinator</b>	<b>Mr. R. D. Modi</b> (Lecturer in Electrical Engineering Department)
<b>Teacher Editor</b>	<b>Mrs. B. R. Sevkani</b> (Lecturer in Electrical Engineering Department)
<b>Students Editors</b>	<b>Suthar Bijalben V.</b> (Semester – 6 <sup>th</sup> , Electrical Engineering)
	<b>Patel Shubh H.</b> (Semester – 6 <sup>th</sup> , Electrical Engineering)
	<b>Solanki Heli M.</b> (Semester – 4 <sup>th</sup> , Electrical Engineering)
	<b>Patel Neel K.</b> (Semester – 4 <sup>th</sup> , Electrical Engineering)
	<b>Thakor Riyaben H.</b> (Semester – 2 <sup>nd</sup> , Electrical Engineering)
	<b>Jayswal Bhavy M.</b> (Semester – 2 <sup>nd</sup> , 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	Chairperson
	2) Prof. Chaskar Madhavrao Uttam	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

#### Honourable Experts of N.B.A. team



## 5. Highlights and Staff positions of Electrical Engineering Program

<b>Institute code of GTU</b>	<b>631</b>
<b>Diploma in Electrical Engineering code of GTU</b>	<b>09</b>
<b>Intake of Diploma in Electrical Engineering for the year - 2023</b>	<b>90</b>

### Highlights of Electrical Engineering Department

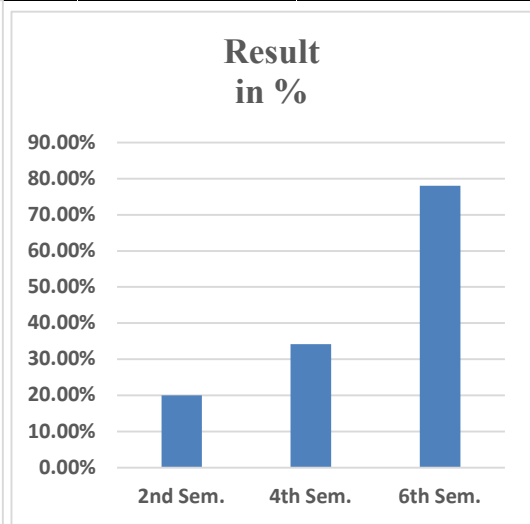
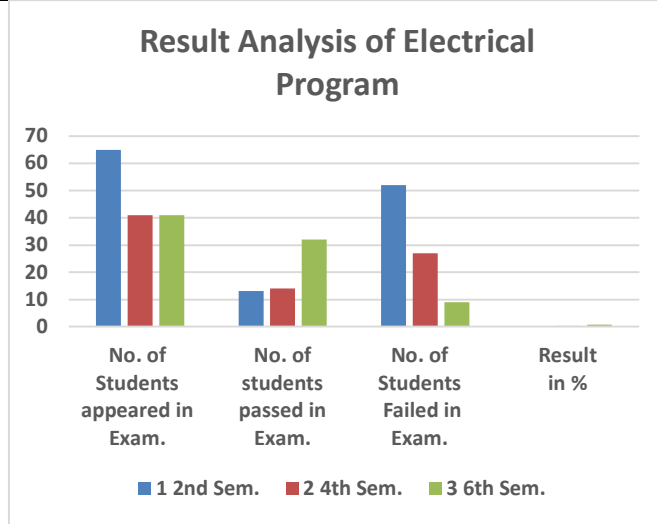
<b>1</b>	Plenty of opportunities for overall development of students along with teaching learning process.
<b>2</b>	Highly qualified, hardworking and ample confidence teaching staff.
<b>3</b>	Congenial teaching and learning environment.
<b>4</b>	Analytical approach, design and practical based teaching learning system.
<b>5</b>	Extra coaching classes for weak students.
<b>6</b>	Excellent counselling and academic follow up system with experienced faculties.
<b>7</b>	Well facet classrooms and audio-visual facilities.
<b>8</b>	Departmental library for teaching staff.
<b>9</b>	Women empowerment cell activities by the department.

### Faculty and Staff position during July – 2023 to December – 2023

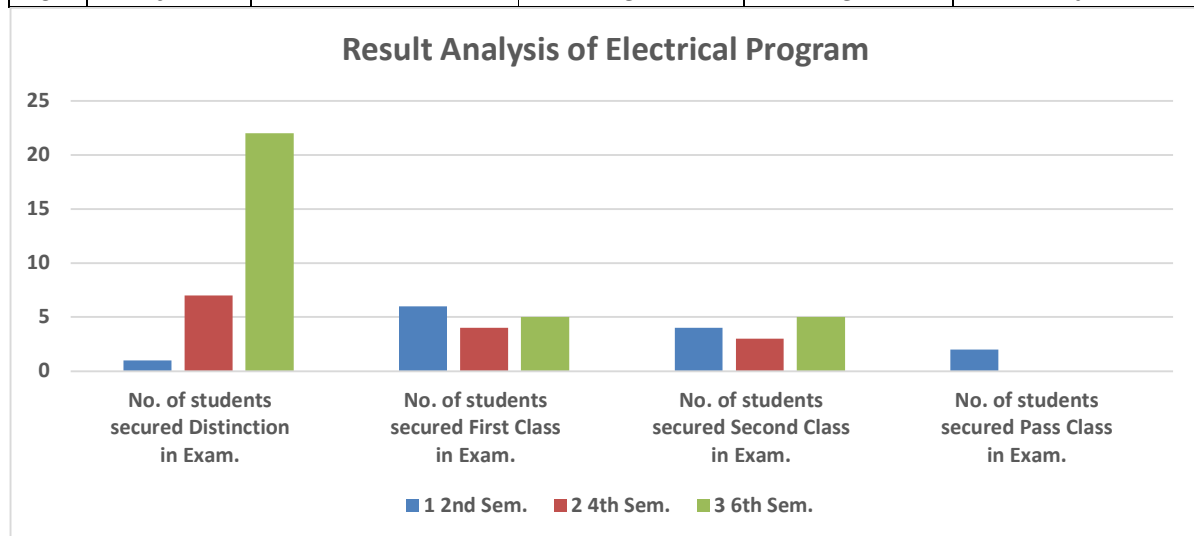
Sr. No.	Designation	Educational Qualification	No. of Filled Posts
<b>1</b>	Head of Department (Class – 1)	M.E./M. Tech	<b>00</b>
<b>2</b>	Lecturer (Class – 2)	M.E./M. Tech	<b>08</b>
<b>3</b>	Lecturer (Class – 2)	B.E./B. Tech	<b>06</b>
<b>4</b>	Lecturer (Ad hoc)	B.E./B. Tech	<b>01</b>
<b>5</b>	Lab. Assistant	-----	<b>00</b>
<b>6</b>	Instructor	-----	<b>00</b>
<b>7</b>	Hamal	-----	<b>01</b>

## 6. Result Analysis of Electrical Engineering Program for the Term-232 (Summer-2024)

Sr. No.	Semester	No. of Students Appeared in Exam.	No. of Students Passed in Exam.	No. of Students Failed in Exam.	Result in %
1	2 <sup>nd</sup>	65	13	52	20.00 %
2	4 <sup>th</sup>	41	14	27	34.15 %
3	6 <sup>th</sup>	41	32	9	78.05 %






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	2 <sup>nd</sup>	1	6	4	2
2	4 <sup>th</sup>	7	4	3	0
3	6 <sup>th</sup>	22	5	5	0








**7. Sparkling Stars of Electrical Engineering Program of GTU Exam  
Summer - 2023 (Term – 232)**





**7.1 SPI Toppers OF 4<sup>th</sup> Semester:**

Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	236318309031	SOLANKI KARANSING MANGAJI	9.67	FIRST	
2	226310309022	PATEL HETULKUMAR KAMLESHKUMAR	9.11	SECOND	
3	236318309016	PATEL SAURABHKUMAR PRAVINBHAI	9.00	THIRD	

## 7.2 SPI Toppers OF 6<sup>th</sup> Semester:

Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	216310309019	RABARI KALUBHAI KALYANBHAI	9.11	FIRST	
2	216310309007	VAGHELA HARSH ROHITBHAI	8.89	SECOND	
3	216310309031	VAGHELA DHRUVI KETANBHAI	8.89	SECOND	
4	216310309010	PRAJAPATI KRISH DINESHKUMAR	8.67	THIRD	
5	216310309040	PRAJAPATI ABHAY PRAKASHBHAI	8.67	THIRD	

### 7.3 SPI Toppers OF 2<sup>nd</sup> Semester:

Sr. No	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	236310309060	PRAJAPATI PARTHKUMAR MANSUKHBHAI	8.09	FIRST	
2	236310309042	PATEL NEEL KAUSHIKKUMAR	7.78	SECOND	
3	236310309009	CHAUDHARY ISHVARBHAI HAKMAJI	7.78	SECOND	
4	236310309024	MANSURI MOHAMADSOHEL MOHAMADSAEED	7.52	THIRD	

## 8. Industrial Visit for students

Title of Industrial Visit	Solar Plant at Charanka
Date	14/10/2024
Time	07:30 am onwards
Venue	Charanka Solar Plant, Dist. : Patan
Expert Speaker	Engineers of Solar Plant at Charanka
No. of Students	40 (6 <sup>th</sup> Semester Students of Electrical program)
No. of Faculties	05
Description	Electrical Department of K. D. Polytechnic, Patan was organized an Industrial visit of Solar Plant at Charanka, Dist. – Patan for final year students of Electrical Engineering Department. During industrial visit students were so excited to get first experience of life to visit such huge solar plant. They participated actively in this industrial visit, they gained knowledge regarding solar plant and they feel very worthwhile and joyful visit of their academic journey.

### Photographs



**9. Training taken by Faculties of Electrical Engineering Department during  
01-07-2024 to 31-12-2024**

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Training</b>	<b>Duration of Training</b>	<b>Remarks</b>
1	Mr. J. B. Bhati	Psychology of Learning	July – 2024 to October - 2024	12 Weeks Course
2	Mr. R. D. Modi	Industrial Training	08/07/2024 to 30/07/2024	03 Weeks
3	Mr. D. S. Trivedi	Developing Soft Skills and Personality	August – 2024 to October - 2024	08 Weeks Course
4	Mr. D. S. Trivedi	Vikas Saptah - 2024	14/10/2024 to 18/10/2024	01 Week
5	Mr. D. S. Trivedi	Industrial Training	22/07/2024 to 11/08/2024	03 Weeks
6	Mr. H. V. Patel	Sustainable Happiness	July – 2024 to September- 2024	08 Weeks Course
7	Mr. H. V. Patel	Industrial Training	01/07/2024 to 21/07/2024	03 Weeks
8	Mrs. B. R. Sevani	Industrial Training	01/07/2024 to 21/07/2024	03 Weeks
9	Mr. C. B. Patel	Industrial Training	08/07/2024 to 28/07/2024	03 Weeks
10	Mr. P. R. Mishra	Industrial Training	08/07/2024 to 29/07/2024	03 Weeks
11	Mr. P. R. Mishra	Psychology of Learning	July – 2024 to October - 2024	12 Weeks Course
12	Mr. R. J. Prajapati	Industrial Training	01/07/2024 to 21/07/2024	03 Weeks
13	Mr. R. J. Prajapati	Sustainable Happiness	July – 2024 to September- 2024	08 Weeks Course
14	Mr. M. S. Patel	Industrial Training	08/07/2024 to 28/07/2024	03 Weeks
15	Mr. K. A. Prajapati	Industrial Training	01/07/2024 to 21/07/2024	03 Weeks
16	Mr. A. R. Joshi	Developing Soft Skills and Personality	August – 2024 to October - 2024	08 Weeks Course
17	Mr. A. R. Joshi	Industrial Training	22/07/2024 to 11/08/2024	03 Weeks

<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Training</b>	<b>Duration of Training</b>	<b>Remarks</b>
18	Mr. S. V. Patel	Industrial Training	22/07/2024 to 11/08/2024	03 Weeks
19	Mr. D. N. Thakkar	Industrial Training	15/07/2024 to 02/08/2024	03 Weeks
20	Mr. H. S. Darji	Industrial Training	22/07/2024 to 11/08/2024	03 Weeks

**10. Publication of Research Article by faculties during  
July – 2024 to December - 2024**

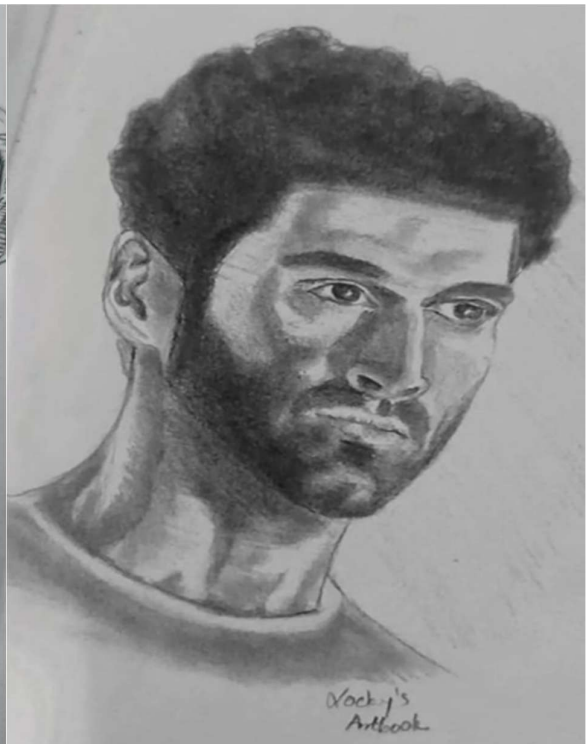
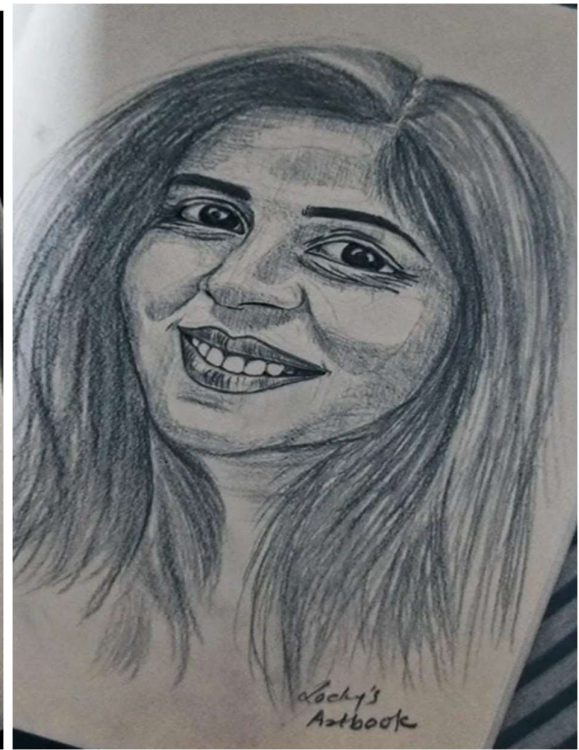
<b>Sr. No.</b>	<b>Name of Faculty</b>	<b>Title of Research Article</b>	<b>Name of Journal</b>	<b>ISSN No. &amp; Index</b>	<b>Issue &amp; Volume</b>
1	Mr. R. D. Modi	Renewable Energy Source Integrated Hybrid Energy Storage System for Electric Vehicle	Journal of Electrical Systems	ISSN: 1112-5209 Scopus Indexed Journal	Volume:20, Issue: November – 2024 Page No. 1017-1024

**11. Placement data of Electrical Engineering Program during  
July – 2024 to December - 2024**

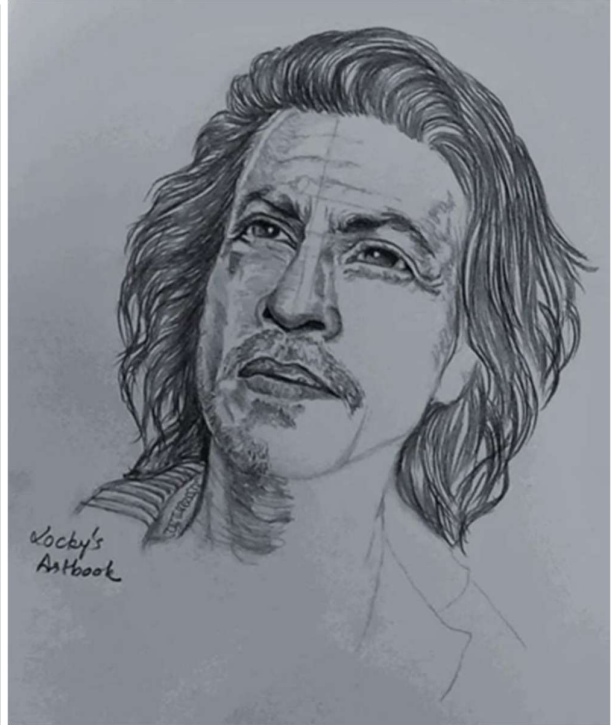
<b>Sr. No.</b>	<b>Enrolment No.</b>	<b>Name of Student</b>	<b>Name of Company</b>
1	216310309001	Patel Karm Lalabhai	Honda Motorcycle
2	216310309022	Thakor Sanjaybhai Sardarbhai	TDS Lithium – Iron Battery Gujarat Private Limited
3	216310309030	Thakor Vishnuji Sonaji	TDS Lithium – Iron Battery Gujarat Private Limited
4	216310309051	Modi Nishitkumar Hiteshbhai	TDS Lithium – Iron Battery Gujarat Private Limited
5	216310309052	Modi Vedant Rajeshkumar	TDS Lithium – Iron Battery Gujarat Private Limited
6	216310309032	Rana Harsh Babubhai	Linc Digital Systems Private Limited

## 12. Creative Corner

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







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