

K. D. POLYTECHNIC, PATAN.



ELECTRICAL ENGINEERING

(NBA Accredited Program)



E - News Letter



(Edition: 01/07/2023 to 31/12/2023)

(Term: 231)

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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 6th edition of our **E-Newsletter (SPARK)** of electrical engineering department for duration of July – 2023 to December – 2023 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 (Incharge 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	Vaghela Dhruvi K. (Semester – 5 th , Electrical Engineering)
	Prajapati Krish D. (Semester – 5 th , Electrical Engineering)
	Chauhan Krisha C. (Semester – 3 rd , Electrical Engineering)
	Thakor Ronakji V. (Semester – 3 rd , Electrical Engineering)
	Solanki Heli M. (Semester – 1 st , Electrical Engineering)
	Patel Nil K. (Semester – 1 st , 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 a 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, 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

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

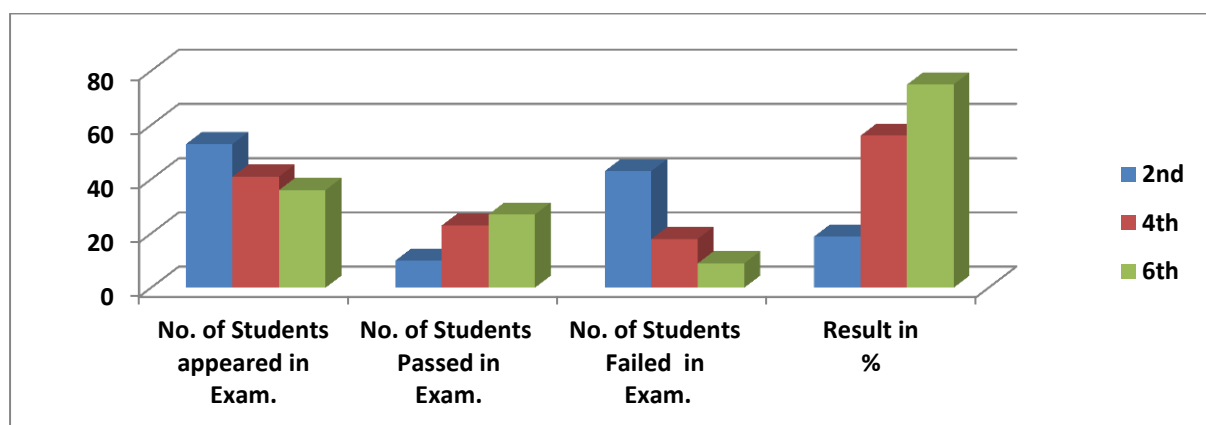
1	Plenty of opportunities for overall development of students along with teaching learning process.
2	Highly qualified, hardworking and ample confidence teaching staff.
3	Congenial teaching and learning environment.
4	Analytical approach, design and practical based teaching learning system.
5	Extra coaching 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

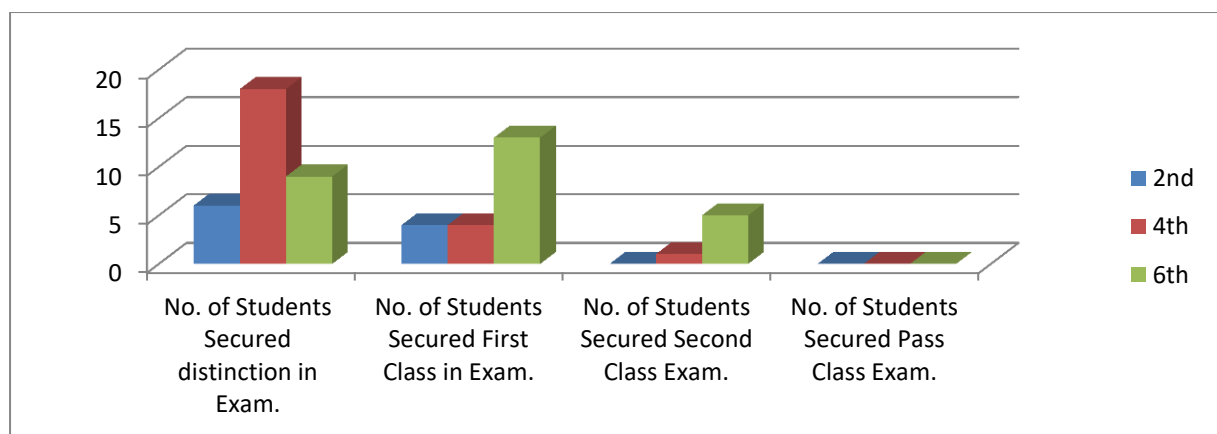
Sr. No.	Designation	Educational Qualification	No. of Filled Posts
1	Head of Department (Class – 1)	M.E./M.Tech	00
2	Lecturer (Class – 2)	M.E./M.Tech	08
3	Lecturer (Class – 2)	B.E./B.Tech	06
4	Lecturer (Adhoc)	B.E./B.Tech	01
5	Lab. Assistant	-----	00
6	Instructor	-----	00
7	Hamal	-----	01

6. Result Analysis of Electrical Engineering Program for summer - 2023

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 nd	53	10	43	18.87
2	4 th	41	23	18	56.10
3	6 th	36	27	09	75.00






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 nd	06	04	00	00
2	4 th	18	04	01	00
3	6 th	09	13	05	00





7. Sparkling Stars of Electrical Engineering Program




7.1 SPI Toppers OF 2nd Semester:

Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	226310309022	PATEL HETULKUMAR KAMLESHKUMAR	8.91	FIRST	
2	226310309029	PATEL NITYA BHARATKUMAR	7.87	SECOND	
3	226310309011	MANSURI MOHAMMADZAKI ZAKIRHUSEN	7.78	THIRD	

7.2 SPI Toppers OF 4th Semester:

Sr. No.	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	216310309031	VAGHELA DHRUVI KETANBHAI	9.00	FIRST	
2	216310309019	RABARI KALUBHAI KALYANBHAI	8.78	SECOND	
3	216310309017	PRAJAPATI MAULIKKUMAR HARSHADKUMAR	8.22	THIRD	

7.3 SPI Toppers OF 6th Semester:

Sr. No	Enrolment No.	Student's Name	SPI Secured by student	Rank secured by student	Student's Photo
1	206310309003	KAPADIYA SAURABH NARENDRAKUMAR	9.82	FIRST	
2	206310309051	PATEL JILKUMAR JASHVANTBHAI	9.82	SECOND	
3	206310309021	PATEL TIRTH KAUSHIKBHAI	9.64	THIRD	

8. Expert Lectures conducted for Electrical Engineering Program

Title of Expert Lecture	ઊર્જા સંરક્ષણ અને ઊર્જા કાર્યક્ષમતા
Date	11/12/2023
Time	11:00 am onwards
Venue	Room No. A – 006, New Academic Block, K. D. Polytechnic, Patan
Speaker	Shri Mittal Shah, Deputy Engineer, UGVCL
Description	Electrical department organized a Seminar on ઊર્જા સંરક્ષણ અને ઊર્જા કાર્યક્ષમતા for electrical engineering students and invited Shri Mittal Shah, Deputy Engineer, UGVCL. Shri Shah addressed to electrical students and he has given very worthful and valuable guidance to students to conserve energy and to increase energy efficiency. Students enjoyed this session and gathered incredible knowledge during session.

Photographs



9. Training taken by Faculties of Electrical Engineering Department

Sr. No.	Name of Faculty	Title of Training	Duration of Training	Remarks
1	Shri J. B. Bhati	Yoga and Positive Psychology for Managing Career and Life	08 Weeks	NPTEL-AICTE
2	Shri J. B. Bhati	Advanced Pedagogy	17/07/2023 To 21/07/2023	NITTTR Extension Center, Ahmedabad
3	Shri R. D. Modi	Advanced Pedagogy	17/07/2023 To 21/07/2023	NITTTR Extension Center, Ahmedabad
4	Shri R. D. Modi	Patent Drafting, Filing and IP Commercialization	11/12/2023 To 16/12/2023	DTE Gandhinagar
5	Shri D. N. Thakkar	Yoga and Positive Psychology for Managing Career and Life	08 Weeks	NPTEL-AICTE
6	Shri D. S. Trivedi	TQM and Six Sigma for Engineering Insitutions	07/08/2023 To 11/08/2023	NITTTR, Bhopal
7	Shri D. S. Trivedi	Empowering Educators in VLSI Technology	18/12/2023 to 22/12/2023	NITTTR Extension Center, Ahmedabad
8	Shri H. V. Patel	Technical English for Engineers	08 Weeks	NPTEL-AICTE
9	Shri R. J. Prajapati	Technical English for Engineers	08 Weeks	NPTEL-AICTE
10	Shri P. R. Mishra	NEP – 2020: Emerging Trends in Design, Development, Implementation and Assessment of Holistic and Multidisciplinary outcome based Curriculum	20/11/2023 To 24/11/2023	NITTTR Online
11	Shri P. R. Mishra	Empowering Educators in VLSI Technology	18/12/2023 To 22/12/2023	NITTTR Extension Center, Ahmedabad

10. Internship done by Students of Electrical Engineering Program

10.1 Details of Summer Internship – 2 done by students of Semester – 5 (Term – 231)

Sr. No.	Name of Company	No. of Students
1	Ammann India Pvt. Ltd.	1
2	Balief Corporation	2
3	Bhumi Industries	1
4	Devnandan Renewable Energy Pvt. Ltd.	1
5	Ei. Engineer & Licensed Contractor	2
6	Eltech Control Industries	2
7	Excel Enterprise	1
8	GEW Electropower Project Pvt. Ltd.	2
9	Gujarat Power Engineering & Research Institute	1
10	Harsha Engineers International Private Limited	2
11	Jhon Energy Ltd.	5
12	Kisan Submersible Pumps Pvt. Ltd.	1
13	Power Electro Systems	1
14	Servo Control System	2
15	Shagun Industries	1
16	Smile Sun Energy	1
17	Mahakali Electric Service	1
18	Swami Energy	4
19	D. R. Enterprise	2
20	Topsun Energy Ltd.	1
21	Vanshka Enterprise	6
22	Wanakbori Thermal Power Station (Guj. State Ele. Co. Ltd.)	1
Total No. of Students		41

10.2 Details of Summer Internship – 1 done by students of Semester – 3 (Term – 231)

Sr. No.	Name of Company	No. of Students
1	Super electrical koita	1
2	The electrical shop	1
3	Kissan Electronics	13
4	Amul Industries	1
5	Poonam electrical store	1
6	Nice engineering work	1
7	Khodiyar Industries	1
8	New Mahakali Electricals	5
9	Jay Electrical Sales & Service	1
10	Shree Varahi electrical	2
11	Skysun control & lighting	1
12	Lincon polymers Pvt. Ltd.	2
13	New Mahakali Electronic	2
14	Kameshwar Electric Switch Board	1
15	Shree varahi electronic mehsana	1
16	Gujarat control system	2
17	UGVCL	1
18	Khodiyar engineers	1
19	Satyasra energy Pvt. Limited	1
20	Panoli Intermediates India Pvt. Ltd.	1
21	Vihar electrical	1
22	Visit electronic	1
23	Bhavani electrical company	1
24	Umiya electricals	2
25	Lincon polymers Pvt. Ltd.	1
26	Varahi general store	3
27	Kiran electronics	3
28	Deep engineering	1
29	Shriji electrical, patan	1
30	Shubh electrical and refrigeration	2
31	Umiya electricals	1
32	Jagdish corporation Pvt. Ltd, mehsana	1
33	Shriji electrical sales and service	1
34	Sikotar enterprise	1
Total No. of Students		60

**11. Placement data of Electrical Engineering Program during
July – 2023 to December - 2023**

Sr. No.	Enrolment No.	Name of Student	Name of Company
1	206310309034	THAKOR VIDHANKUMAR MANGAJI	NOVASOL AHMEDABAD
2	186310309092	RAVAT UTSAV BHARATBHAI	MEHTA CAD CAM SYSTEM PVT. LTD., AHMEDABAD
3	196310309079	PRAJAPATI RONA K RANCHHODDBHAI	MEHTA CAD CAM SYSTEM PVT. LTD., AHMEDABAD
4	176310309088	THAKKAR ABHAY HAKUMBHAI	MEHTA CAD CAM SYSTEM PVT. LTD., AHMEDABAD

12. Gymkhana Activities during July – 2023 to December - 2023

Title of Event	Tree Plantation
Date	21/07/2023
Time	Recess Time of Institute
Venue	Garden of K. D. Polytechnic, Patan
No. of Students	102
No. of Faculties	37
Description	Planting trees in our college campus is like giving a gift to nature. Students and teachers work together, planting tiny trees that will grow big and strong. It's not just about having more green around us; it's about taking care of our planet. As these trees grow, they provide shade, clean air, and a home for birds. Everyone in the college becomes a part of something important—helping the environment.

Photographs



Title of Event	SEMICON INDIA 2023 VISIT AT GANDHINAGAR
Date	29/07/2023
Time	06:00 am to 06:30 pm
Venue	Mahatma Mandir, Gandhinagar
No. of Students	62
No. of Faculties	02
Description	Going to SEMICON India 2023 in Gandhinagar is like entering a tech wonderland! Gandhinagar is the host city, buzzing with excitement. It's not just about business; it's about discovering cool gadgets and amazing innovations. You'll see smart machines and meet people who love all things tech.

Photographs



Title of Event	Essay writing on G20/Y20
Date	02/08/2023
Time	11:00 am to 12:00 pm
Venue	CR-10, Main building, K. D. Polytechnic, Patan
No. of Students	24
No. of Faculties	02
Description	Gymkhana of K. D. Polytechnic, Patan was organized Essay writing on G20/Y20 among the students. Students participated in the event very enthusiastically and expressed their thoughts in the form of essay. Students enjoyed fully during event.

Photographs



Title of Event	Seminar on Y20
Date	02/08/2023
Time	01:00 to 02:00
Venue	CR-10, Main building, K. D. Polytechnic, Patan
No. of Students	42
No. of Faculties	03
Description	Gymkhana of K. D. Polytechnic, Patan was organized Seminar on Y20 for the students. Students participated in the event very enthusiastically and expressed their thoughts in the seminar. Students enjoyed fully during event.

Photographs



Title of Event	Independence Day Celebration
Date	15/08/2023
Time	08:00 am to 09:00 am
Venue	Main Gate Garden area of K. D. Polytechnic, Patan
No. of Students	94
No. of Faculties	28
Description	The Azadi ka Amrut Mahotsav Samapan Program for Independence Day Celebration is a grand finale, a culmination of patriotic festivities. It's the climax where the spirit of freedom resonates. The event encapsulates the essence of the Azadi ka Amrut Mahotsav, marking significant milestones in our nation's journey.

Photographs



Title of Event	Rangoli Competition
Date	21/09/2023
Time	11:00 am onwards
Venue	Main Building, Academic Block, C.P. Building of K.D.P.
No. of Students	39
No. of Faculties	05
Description	A Rangoli competition is like a burst of color and creativity coming alive on the canvas of the ground. Participants, armed with vibrant powders, create intricate designs, forming a kaleidoscope of patterns. It's not just about making pretty pictures; it's a celebration of artistic expression and tradition.

Photographs



Title of Event	Prize distribution ceremony
Date	22/09/2023
Time	03:00 pm onwards
Venue	Seminar hall of Computer Department, K. D. Poly, Patan
No. of Students	214
No. of Faculties	28
Description	A prize distribution ceremony is the moment of acknowledgment and applause, where hard work and excellence take centre stage. The atmosphere is charged with anticipation as winners step forward to receive their well-deserved honours.

Photographs



Title of Event	Navratri Garba
Date	27/10/2023
Time	03:00 pm onwards
Venue	Ground between Academic Block and New Laboratory Wing of K. D. Polytechnic, Patan
No. of Students	314
No. of Faculties	24
Description	The Navratri festival is a joyful means of honouring Goddess Durga. The symbolic significance of 'Nav' is nine, and the literal meaning of 'Ratri' is darkness. KDP has organized Navaratri celebration for one day. Most of the students have participated in it.

Photographs



Title of Event	Start up conclave – 2023, Gandhinagar
Date	08/12/2023
Time	07:00 am to 06:30 pm
Venue	Mahatma Mandir, Gandhinagar
No. of Students	52
No. of Faculties	02
Description	The state government has organized the Startup Conclave 2023 in Gandhinagar on December 8. The conclave will witness participation of unicorn startups and venture capitalists from across the country besides leading businessmen of Gujarat.

Photographs



13. Creative Corner

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



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