

# Electrabuzz-25ii

4<sup>th</sup>

Issue



**ELECTRICAL DEPARTMENT**

**GOVERNMENT ENGINEERING COLLEGE,  
SECTOR-28, GANDHINAGAR**

**NEWSLETTER-25/2(JULY TO DEC-2025)**

## **PREFATORY NOTE**

*It gives us immense pleasure to introduce our 4<sup>th</sup> Issue of “ElectrabuzzZ (Use the electric currents to communicate the feelings)” a semiannual newsletter by Electrical Engineering department of GEC Gandhinagar. In an era of information proliferation, news may be available on different platforms, including social media in a variety of ways. However, the newsletter needs to recapitulate and formally organize the prominent news items as a ready reference for the convenience of the stakeholders of the department as well as Institute. We hope that this issue as well as other upcoming issues will serve this purpose. We are thankful to faculties for their constant co-operation in bringing out the newsletter.*

## *H. O. D.'s Message*



*Dr. Kunal Ashvinkumar Bhatt*

*Head of Department*

*I am happy to note that our Electrical Engineering department is releasing one another issue of Newsletter of this term, enumerating the various activities and achievements of our faculty and students. The department endeavors to produce confident professionals tuned to a real time working environment. The department offers an excellent academic environment with a team of qualified and dedicated faculty members to inspire the students to develop their technical skills and inculcate the spirit of teamwork in them. Commendable job has also been done by the Editorial team in planning for and producing the Newsletter. I also congratulate the entire Electrical engineering department faculties and students for their contribution to department activities and look forward to future developments. Special thanks to the Editorial Board for in house development of this newsletter.*

## **HIGHLIGHTS OF THIS EDITION**

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## **DEPARTMENT ZONE**

### **FACULTY DETAIL**



**HOD**  
**Dr. Kunal A. Bhatt**  
**Ph. D. (ELECTRICAL**  
**ENGINEERING)**  
**Experience: 23 Years**

**Prof. Jignasha A. Prajapati**  
**M.E. , Ph D Pursuing**  
**Experience: 20 Years**



**Prof. Ashok L. Vaghamshi**  
**M.E. , Ph D Pursuing**  
**Experience: 16 Years**



**Prof. Mihir B. Chaudhari**  
**M.Tech. , Ph D Pursuing**  
**Experience: 20 Years**



**Prof. Priyank R. Bhavsar**  
**M.E. , Ph D Pursuing**  
**Experience: 17 Years**

**Prof. Nirav D. Patel**  
**M.Tech. , Ph D Pursuing**  
**Experience: 20 Years**



**Prof. (Dr.) Sunil P. Agrawal**  
**Ph. D. (ELECTRICAL**  
**ENGINEERING)**  
**Experience: 13 Years**

## DEPARTMENT ACTIVITY

### Seminar On “Bridging Circuits to Civics: UPSC/GPSC Journey for Engineers”

A seminar on '**Bridging Circuits to Civics: UPSC/GPSC Journey for Engineers**' was organized by Government Engineering College, Gandhinagar on **6th September 2025** from 11:00 AM to 1:00 PM at C. V. Raman Hall, Block No.1. The session aimed to motivate and guide engineering students towards civil services as a career option, bridging the gap between technical education and governance. The keynote speaker of the seminar was **Mr. Abhinav Singh, Founder of Civil IAS**, with more than 12 years of teaching experience in UPSC across Delhi, NCR, Gujarat, and Maharashtra. He has also served as Manager at the Central Bank of India and is a regular faculty member at SPIPA. Additionally, he has been a visiting faculty at DDU-Nadiyad and Chandigarh. The seminar was held under the patronage of Dr. S. P. Dave, Principal of GEC Gandhinagar. The convener of the event was Dr. Kunal A. Bhatt, Head of the Electrical Department. The event was coordinated by Prof. M. B. Chaudhari and Prof. N. D. Patel from the Electrical Department.



## Teachers' Day Celebration

The Electrical Engineering Department celebrated Teachers' Day with warmth, enthusiasm, and respect. Students organized a special program to express gratitude towards the faculty who continuously guide, support, and inspire them. The celebration included short speeches, fun activities, and a small token of appreciation presented to each teacher. The event highlighted the valuable role our EE faculties play in shaping students' technical knowledge, professional skills, and overall growth. It was a memorable occasion filled with joy and heartfelt appreciation for our dedicated educators.





## **STUDENT ZONE**

### **Top 5 Students of Electrical Engineering (4<sup>th</sup> Semester-23 Entry)**

**230130109003      BAMTA KISHAN      9.17**



**240133109025      VERMA  
ANISHKUMAR      8.61  
KHUSHIRAM**



**230130109022      KHARA RAHUL  
BAIDYANATH      8.48**



**230130109037      PARTH KAYADA      8.22**



**230130109055      RAWAT DEVANSHI  
DEVENDRASINGH      8.17**



**Top 5 Students of Electrical Engineering**  
**(2<sup>nd</sup> Semester-24 Entry)**

### Student's Achievement At other Institution

- 5<sup>TH</sup> Semester Student **KHARA RAHUL BAIDYANATH** and **JAGANI MANAN SANJAY** have secured 1st rank in the event of **STARTUP WEEKEND**. The event was hosted at Pandit Deendayal Energy University (PDEU) in Gandhinagar, India, from 29th to 31st August 2025.



- 5<sup>TH</sup> Semester Student KRISH SAMIRBHAI PATEL participated in **GTU sports tournament for volleyball** on the date 4-august-2025 at GTU-ITR MEHESANA and got **2nd rank** in the whole GTU zone 2.





## Student's participation At institute level

- 3<sup>rd</sup> Semester Student **ASODIYA LAXANK NARENDRAKUMAR** participated in the workshop 'building blocks of react', organized by club IBER on 31st august, 2025.



- 5<sup>TH</sup> Semester Students **Rawat Devanshi Devendrasingh** and **Lokesh Patidar** had participated in **IDEATHON-2025**, ON 3-SEPTEMBER, 2025 organized by E-Cell, GEC-Gandhinagar.



- 3<sup>rd</sup> Semester students **Aastha Rashmikant Trivedi** and **Thakkar Trisha Kamleshbhai** participated in the **Teacher's Day celebration** held in the Electrical Department on 4th September and received certificates for participating as student speakers.



## Student's participation (Outside the institute)

- 5<sup>TH</sup> Semester Student **VERMA ANISHKUMAR KHUSHIRAM**, **BAMTA KISHAN** and **DEVARSH PARMAR** completed 96 Hours Electrical CAD Software training from 21/08/2025 to 03/09/2025 at **Indo German Tool Room (IGTR)**, Vatva, Ahmedabad.



- 5<sup>TH</sup> Semester Student **Jagani Manan Sanjay** participated in a 10 km marathon organized at **IIT Gandhinagar** as part of the Ananta Run event on 24 August 2025.





- 1<sup>st</sup> semester students **Patel Manav Mukeshbhai** and **Khamar Mahi Nileshkumar** participated in the Mathematics Challenge 2025, organized at LDCE on 20 September 2025.






### FACULTY ACHIEVEMENTS/PARTICIPATION

- **Prof. Mihir B. Chaudhari** served as a jury member at the **Vikas Saptah Hackathon – 2025**, held on **14 October 2025** at **Pandit Deendayal Energy University (PDEU), Gandhinagar**. His participation contributed to the rigorous evaluation of innovative student projects and strengthened academic collaboration between the institutions.
- **Prof. Ashokkumar L. Vaghamshi** participated in 12-week NPTEL online MOOC FDP on ‘**Introduction to Python and Petroleum Data Analytics**’ during **July-Oct 2025** and secured **73 %** score (Elite-Certificate).



**Elite**  
**NPTEL ONLINE CERTIFICATION**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ASHOKKUMAR LAKHABHAI VAGHAMSHI**  
for successfully completing the course

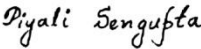


**Introduction to Python and Petroleum Data Analytics**


with a consolidated score of **73 %**

Online Assignments	25/25	Proctored Exam	48/75
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Total number of candidates certified in this course: **245**




**Prof. Piyali Sengupta**  
Coordinator (Online Programs),  
IIT (ISM) Dhanbad





**Prof. Haimanti Banerji**  
Coordinator, NPTEL  
IIT Kharagpur

**Jul-Oct 2025**  
(12 week course)



Indian Institute of Technology Dhanbad



Roll No: NPTEL25CH97S1256300170      To verify the certificate       No. of credits recommended: 3 or 4

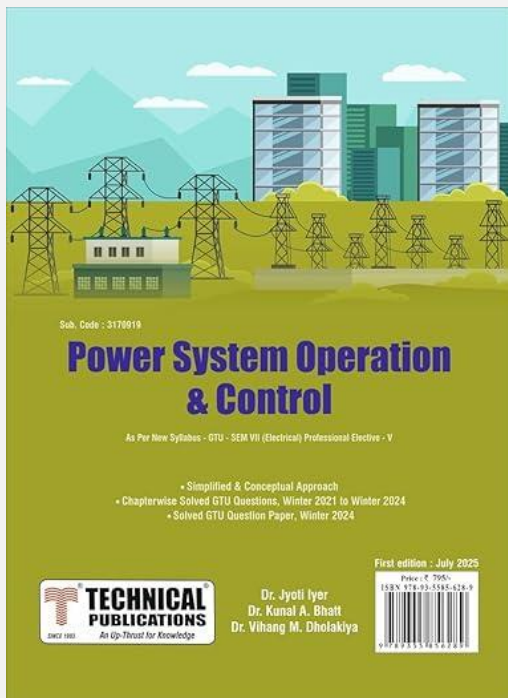
- **Prof. Ashokkumar L. Vaghamshi** successfully completed AICTE-QIP-PG Certificate Programme on "**Cyber Security**" organized by IIIT Vadodara (Diu Campus) in December 2025.



## FACULTY PAPER PUBLICATIONS

- **Dr. Sunilkumar P. Agrawal** published a research paper titled "**Enhanced PEMFC parameter estimation using a hybrid gorilla troops optimizer and honey badger algorithm**" in the 'Computers & Chemical Engineering' in October 2025.
- **Dr. Sunilkumar P. Agrawal** published a research paper titled "**An evolutionary approach with multi stage adaptation and diversity enhancement for SOFC parameter identification**" in the 'Computers & Chemical Engineering' in November 2025.
- **Dr. Sunilkumar P. Agrawal** published a research paper titled "**Robust parameter estimation in solid oxide fuel cells using a multi strategy improved crayfish optimization algorithm**" in the 'Result in Engineering' in December 2025.
- **Prof. Ashokkumar L. Vaghamshi** published a research paper titled "**Cyber Security and Anomaly Detection in Smart Grids: Trends, Challenges, and Future Prospects**" in 'International Conference on Harnessing AI for Healthcare & Climate Resilience (HACER-2025)' at IIIT Vadodara (Diu Campus) in December 2025.

## FACULTY BOOK PUBLICATION

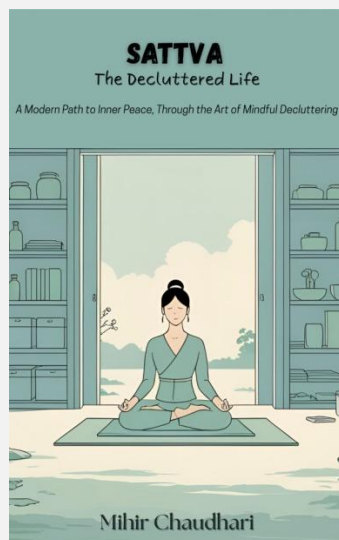
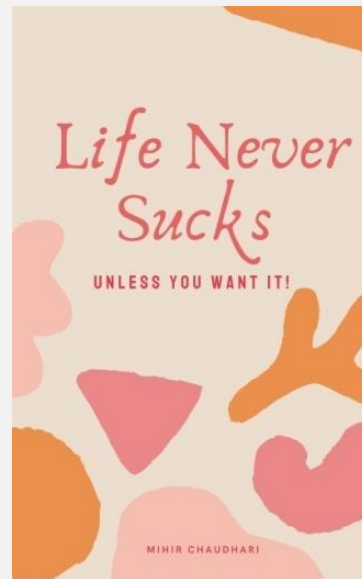


- **Dr. K.A.Bhatt** published a book titled **"Power System Operation and Control"** with **ISBN: 978-93-5585-628-9**. Book is published by Technical Publications, Pune, with a first edition date of July 30, 2025.

- **Prof. Mihir B. Chaudhari** published a book titled **"DISASTER MANAGEMENT "** in August 2025. ISBN: 979-8299472110 Available at: <https://amzn.in/d/jiOUmtW>



- **Prof. Mihir B. Chaudhari** published a book titled "**Life Never Sucks: Unless you want it!**" in July 2025. ISBN: 979-8286291175 Available at: <https://amzn.in/d/2M6qTgy>



- **Prof. Mihir B. Chaudhari** published a book titled "**Sattva: The Decluttered Life: A Modern Path to Inner Peace, Through the Art of Mindful Decluttering**" in July 2025. ISBN: 979-8289358387 Available at: <https://amzn.in/d/19IMP5z>

- **Prof. Mihir B. Chaudhari** published a book titled "**Halfway Home, With You!**" in July 2025. ISBN: 979-8278029595 Available at: <https://amzn.in/d/g0cKl2k>





## CREATIVE CORNER



250130109027-PRIT PANCHANI-EE-1<sup>ST</sup>



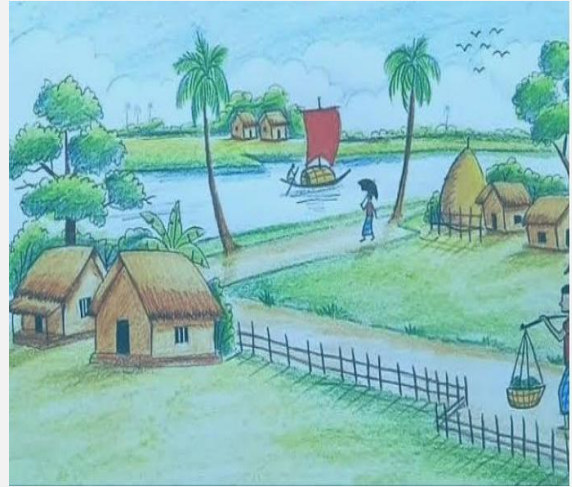
230130109019-JAGANI MANAN-EE-5<sup>TH</sup>



250130109043-NIKITA PATEL-EE-1<sup>ST</sup>



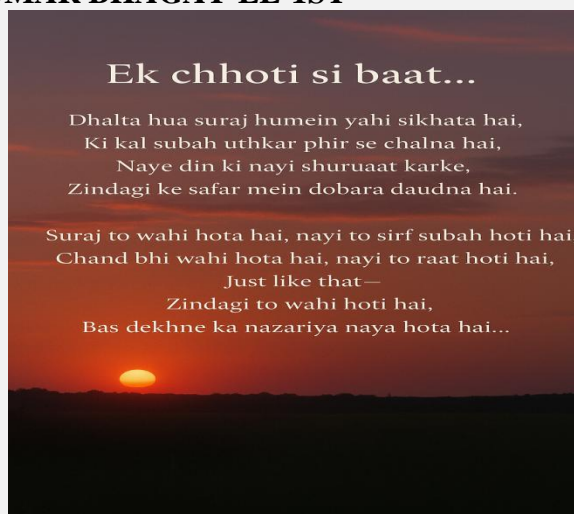
240133109022-SHLOK TRIVEDI-EE-5<sup>TH</sup>



**250130109067-MEET VIRSODIYA-EE-1ST**



**250130109003-RAVIKUMAR BHAGAT-EE-1ST**



**250130109045-PATEL NITIKUMARI JAYESHBHAI-EE-1ST**

## **NEWSLETTER TEAM**

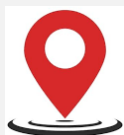
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*Executive Editor*   *Prof. A. L. Vaghamshi*

*Advisor*              *Prof. J. A. Prajapati*  
*Prof. M. B. Chaudhari*  
*Prof. P. R. Bhavsar*  
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