



OPJU

NAAC
GRADE **A**
Accredited University



Newsletter

Department of Electrical Engineering

SPARK

Volume - II , Issue - I

Message by the Vice Chancellor



Dr. R. D. Patidar
Vice-Chancellor

O. P. Jindal University, Raigarh

It is with immense pride and excitement that I welcome you to the latest edition of our Electrical Engineering Department's newsletter. For years, our department has been a beacon of academic brilliance, fostering innovation and shaping the future of electrical engineering. The field of Electrical Engineering stands at the heart of addressing the dynamic challenges of today's world—from spearheading sustainable energy solutions to pioneering advancements in electric vehicles. Our department has continually led the way in tackling these crucial societal issues.

Our faculty, researchers, and students are at the forefront of pushing the limits of knowledge, contributing to progressive research and state-of-the-art projects. I take immense pride in their dedication and hard work.

This year has been particularly remarkable as our university OPJU is accredited with Grade A by NAAC (National Assessment and Accreditation Council). It is a pride for OPJU for being the first private university in the state of Chhattisgarh and in central India to receive an "A" grade in the first cycle of the NAAC accreditation process. This is a testament to our unwavering commitment to excellence in higher education. In line with the evolving needs of education, our university is aligning its curriculum with the progressive National Education Policy (NEP), ensuring we stay ahead in the ever-changing educational landscape.

As we move forward, I encourage all of you to aim for excellence, collaborate across disciplines, and embrace cutting-edge technologies that will shape the future of electrical engineering. Together, we can tackle the pressing challenges of our time.

I am excited to watch our Electrical Engineering Department thrive and achieve even greater success. Let's continue to work together to inspire, innovate, and make a lasting impact on the world. Thank you for your unwavering commitment to the highest standards of electrical engineering.

From the desk of Head of the Department

It is with great excitement that I introduce the 2nd edition of “SPARK”, the biannual newsletter of the Department of Electrical Engineering—our flagship program that continues to be highly sought after by students. I would like to extend my heartfelt greetings to our esteemed faculty members, whose relentless pursuit of knowledge and dedication to excellence continue to drive progress in this ever-evolving field. Our department remains steadfast in its commitment to providing a dynamic learning environment that fosters creativity, nurtures innovation and promotes critical thinking.

Our department places a strong emphasis on both research and innovation, complementing our unwavering dedication to teaching. Our faculty members are at the forefront of pioneering research across a variety of groundbreaking fields, including Electric Vehicles, Photovoltaic Cells, Artificial Intelligence, Robust Control System Design with IoT and Python, and Embedded Systems. Their unwavering commitment to excellence in Electrical Engineering has played a pivotal role in establishing our department as one of the premier research hubs in the discipline.

With the collective dedication of our esteemed faculty and the exceptional talent of our students, we are spearheading groundbreaking research and innovation. We deeply value your continued support and encouragement, which empower us to push the boundaries of knowledge and shape the future of technology. Together, we will continue to make significant advancements and lead the way in these vital fields. Thank you for your ongoing support.

Brief Profile of the Department of EE

The Department of Electrical Engineering at O.P. Jindal University is dedicated to shaping graduates into skilled professionals and responsible citizens who will emerge as effective leaders and trailblazing innovators in the rapidly evolving fields of Electrical Engineering. We are committed to instilling in our students a strong sense of ethical values, along with a deep awareness of environmental and social issues.

Our department offers a range of educational programs, including Diploma, B. Tech, M. Tech, and Ph.D. Initially, the B. Tech program in Electrical and Electronics Engineering was launched in 2008 at the O.P. Jindal Institute of Technology (OPJIT), affiliated with Chhattisgarh Swami Vivekananda Technical University (CSVТУ). In 2014, OPJIT was granted university status (approved by UGC and AICTE) and was renamed O.P. Jindal University (OPJU). The same year, the M. Tech program in Power Electronics and Power Systems was introduced, followed by the initiation of the Ph.D program in 2017 to further enhance research opportunities. As a result, the department evolved into the Electrical Engineering Department.

To keep pace with advancements in technology, our curriculum is regularly updated, and our students have access to 22 state-of-the-art laboratories. These labs are equipped with cutting-edge technology and are supported by advanced experimental and computational resources, which facilitate research and consultancy projects across various domains of Electrical Engineering.

Highlights of the Department

- ❖ Center of Excellence in Power Technology (OPAL-RT, Lab View, PSCAD Lab)
- ❖ High Voltage Engineering Lab
- ❖ 75KW Rooftop Solar Power Plant
- ❖ Advanced Control System Lab
- ❖ Highly qualified and Experienced Faculty
- ❖ High tech classrooms with Smart Boards
- ❖ Smart Seminar Room
- ❖ Electrical Drives Lab
- ❖ Department Library
- ❖ Product Development Lab
- ❖ Electrical Machines Lab

Events and Activities Corner

❖ Workshops

◆ Five days hands-on training workshop on “Recent Advancement in Electrical Engineering”

A Five - days hands-on training workshop on “Recent Advancement in Electrical Engineering” for ITI Students, Gharghoda has been conducted from 12th - 16th February 2024. The main objective of workshop is to prepare students for industries. The content of workshop includes Basic Electronics and Soldering workshop, Industrial Visit (SSD & MRSS4), Electrical Machine-I and II, Measurement & Instrumentation and Basic Electrical Engineering, High Voltage Engineering, and visits of all engineering departments were planned on each day starting from 12th February 2024. The program was coordinated by **Mr. Rakesh Patidar (Assist. Professor)**.



◆ **Five days hands-on training workshop on “Evolution in Electrical Engineering”**

A Five - days hands-on training workshop on “Evolution in Electrical Engineering” for Agrasen ITI Students, Raigarh has been conducted from 11th - 15th March 2024. The main objective of workshop is to prepare students for industries. The content of workshop includes Basic Electronics and Soldering workshop, Industrial Visit (SSD & MRSS4), Electrical Machine-I and II, Measurement & Instrumentation and Basic Electrical Engineering, High Voltage Engineering, and visits of all engineering departments were planned on each day starting from 11th March 2024. The program was coordinated by **Mr. Rakesh Patidar (Assist. Professor)**.



❖ **Alumni Talks**

Department of Electrical Engineering, School of Engineering in Association with O. P. Jindal University Raigarh Alumni Association (OPJURAA) organized Alumni Guest Lecture Series on “An overview of utilizing Artificial Intelligence for electrical load demand forecasting” by Mrs. Rashmi Bareth (PhD Research Scholar, NIT Raipur) on 16th March 2024. The program is organized for faculties, research scholars, M. Tech students and industry persons. More than 65+ participants attended the program. It was a very informative and insightful talk series as per feedback from participants. The program was coordinated by **Mrs. Pushpanjali Shadangi (Senior Assistant Professor)**.



Department of Electrical Engineering
School of Engineering
In Association With
OP Jindal University Raigarh Alumni Association (OPJURAA)
OP Jindal University, Raigarh
Presents
Alumni Guest Lecture Series
An overview of utilizing artificial intelligence for electrical load demand forecasting

Date : 16 March 2024
Time : 3:00 PM to 4:00 PM
<https://meet.google.com/jja-rqmd-fwm>
Click Here

Mrs. Rashmi Bareth
PhD Research Scholar NIT Raipur

Dr. G. M. Rao
Professor & Head
Department of Electrical Engineering, OPJU

Mrs. Pushpanjali Shadangi
Senior Assistant Professor
Department of Electrical Engineering, OPJU

Mr. Vikrant Singh
Teaching Associate
Department of Electrical Engineering, OPJU



AI potential applications in load forecasting

How does Artificial Intelligence (AI) Work?

Artificial Intelligence

- Cognitive Computing
- Computer Vision
- Machine Learning
- Neural Networks
- Deep Learning
- Natural Language Processing

Participants: Rashmi Bareth, Shiv Ram Mehar, Parikaj Bodek, Sandeep Biswal, Ashish Kumar..., Bhawana Desh..., Sushree Digi..., 12 others, Vikrant Singh

3:13 PM | ALUMNI GUEST LECTURE SERIES

❖ Expert Talks

Department of Electrical Engineering, School of Engineering under the Centre of Excellence in Power Electronics & Power System organized an Expert Lecture series talk on **“Application of AI & Optimization in Power System”** on Three esteemed speakers who are expert in their domain and discussed three different issues related to power system operations and control using AI and different soft computing optimization techniques on 23th February 2024. More than 80+ participants attended the program. The program was coordinated by **Mrs. Pushpanjali Shadangi (Senior Assistant Professor)**.



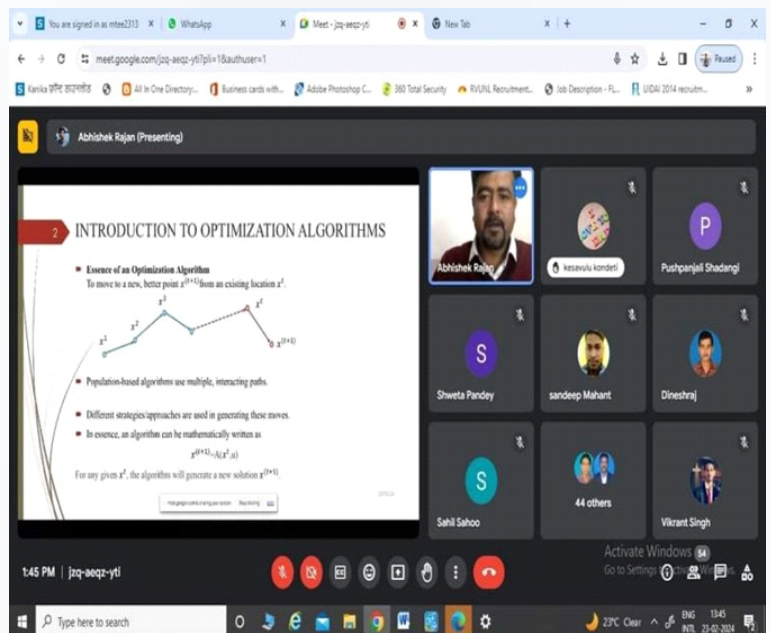
**Department of Electrical Engineering,
School of Engineering**
Under the Centre of Excellence in Power
Electronic & Power System

Is organizing
An Expert Lecture Series on
Application of AI & Optimization in Power System
23rd Feb, 2024 Time - 1:30 - 5:00pm
<https://meet.google.com/jzq-aeqz-ytl>
Click here to registration

Speakers

- Dr. Abhishek Ranjan**
Assistant Professor in
Dept. of Electrical
Engineering, IIT Indore
- Dr. Chandan Kumar Nayak**
Assistant Professor in
IIT AP
- Dr. Deepak Kumar Lal**
Assistant Professor in
VSSUT DURLA
- Chief Guest
Dr. B. D. Patidar**
Vice-Chancellor, OJGU
- Patron
Dr. Siddharth Chakrabarti**
Dean, School of Engineering
- Chairman
Dr. C. Madhusudhana Rao**
Professor & Head, Dept. of
Electrical Engineering

Convener
Mrs. Pushpanjali Shadangi
Dept. of Electrical Engineering



INTRODUCTION TO OPTIMIZATION ALGORITHMS

- Essence of an Optimization Algorithm
To move to a new, better point $x^{(k+1)}$ from an existing location x^k .
- Population-based algorithms use multiple, interacting paths.
- Different strategies/approaches are used in generating these moves.
- In essence, an algorithm can be mathematically written as
 $x^{(k+1)} = f(x^k, \lambda)$
- For any given x^k , the algorithm will generate a new solution $x^{(k+1)}$.

Participants visible: Abhishek Rajan, Reshmi Konde, Pushpanjali Shadangi, Shweta Pandey, sandeep Mahant, Dineshraj, Sahil Sahoo, 44 others, Vikrant Singh.

Department of Electrical Engineering, conducted a webinar on **“Awareness Program on Environmental Risk Posed by E-Waste”** on dated 30th April 2024. The session was conducted by Mr. Omkar Ganu, Senior Analyst Karo Sambhav Private Limited along with Ms. Yukti, Senior Analyst, Karo Sambhav have delivered the talk on E-Waste management and its recycling and collection points and methods were covered and its impact on environment has been emphasis in detail and around 40+ students of different branches of SOE have attended the program. The program was coordinated by **Mrs. Pushpanjali Shadangi (Senior Assistant Professor)**.



**School of Engineering
OP Jindal University, Raigarh**

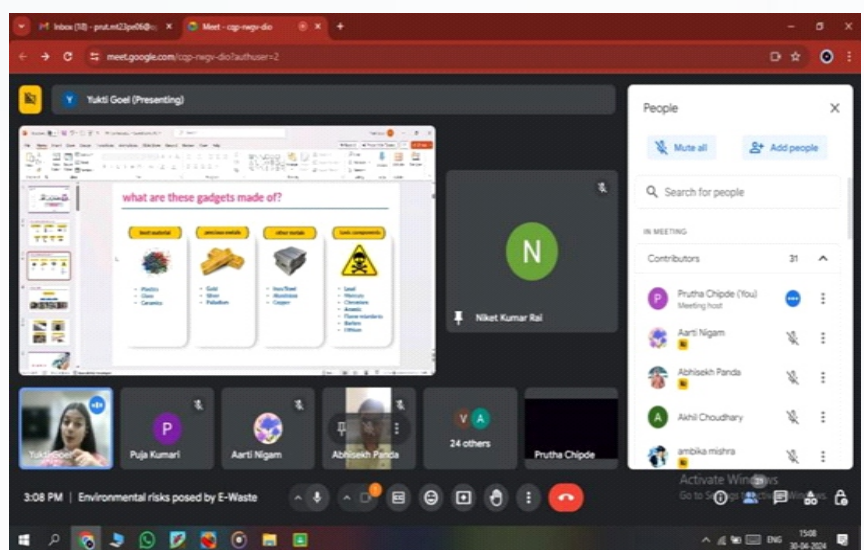
Organizing
A Webinar on
**Awareness Programme on Environmental
risks posed by E-Waste**
30th April 2024 3:00PM to 4:00PM
Venue: EE Seminar hall

**Speaker
Mr. Omkar Ganu
Sr. Specialist
KARO SMBHAV Pvt. Ltd.**

**Co-Moderator
Mrs. Pushpanjali Shadangi**
Assistant Professor in School, EE Department
School of Engineering, OP Jindal University

**Co-Moderator
Ms. Yukti Singh**
Teaching Assistant
School of Electrical Engineering, OPJU

Join through-
<https://meet.google.com/cqp-rwgv-dio>



what are these gadgets made of?

Participants visible: Yukti Goel (Presenting), Niket Kumar Rai, Puja Kumari, Aarti Nigam, Abhishek Panda, 24 others, Pruthi Chhede.

❖ Important activities conducted by Department/ Expert Lecture Delivered

- ◆ Department of Electrical Engineering, SoE, conducted a 6-day Industrial visit to DCP (3 Days) and JPL Tamnar (3 Days) between 12th to 19th February 2024. The session was coordinated by Mr. Rupesh Patel and **Mr. Shashikant Kaushaley**.
- ◆ The Department of Electrical Engineering in collaboration with NITTTR Chandigarh (HP) organized an one week STTP on “Big Data Analytics for Smart Grid” from 12-16 February 2024 for the students and faculty members. The remote center was co-ordinated by **Dr. Sushree Diptimayee Swain**.
- ◆ Department of Electrical Engineering, School of Engineering organized a Five-days expert talk series-2 on “A Master class in Technical Writing” on 4th-8th, 2024. **Dr. Sushree Diptimayee Swain Associate Professor** has coordinated the program.
- ◆ **Dr. Ankireddy Narendra** Dept. of EE, SoE has delivered an expert session on “Techniques of Technical Writing-Publishing”, in lecturer series for research seminar 2024 “A Master class in Technical Writing”, organized by **O. P. Jindal University, Raigarh, India** on 07-03-2024.
- ◆ Dept. of Electrical Engineering, Conducted an exclusive GATE webinar. On 24th April 2024. The session was addressed by Mr. Rounak Agrawal (AIR 3423). Around 50+students of different branches of SOE have attended the program. The program was coordinated by **Mrs. Pushpanjali Shadangi, Assistant Professor (Sr. Gr.)**.







OP Jindal University, Raigarh
Department of Electrical Engineering
Presents
AN EXCLUSIVE GATE WEBINAR!
For B.Tech & Diploma Students of 2nd & 3rd Year of School of Engg(SOE)

Guidance for GATE Preparation, Strategy, Internships & Resume

Date: 24th April, 2024
Time: 11 AM to 12 PM
Venue: EE Seminar Hall

Speaker- Rounak Agarwal
B.Tech EE, OPJU

Dr. C.M. Ban
Professor & Head,
Department of Electrical
Engineering, OPJU

Mrs. Pushpanjali Shadangi
Asst. Professor,
Department of Electrical
Engineering, OPJU

Mr. Vikrant Singh
Teaching Assistant,
Department of Electrical
Engineering, OPJU




one day hand's on training on

" Circuit Designing Workshop "
Date- 30th May 2024 | Time: 09:30 AM
Venue- FB-13

Resource Person

Dr. Gurrala Madhusudhana Rao
Professor & Head, Dept. of EE, OPJU

Mr. Rupesh Patel
Asst. Prof. Dept. of EE, OPJU

Mr. Kapol Nashine
Well Trained with 20 years Experienced Person







Department of Electrical Engineering, SoE
O.P. Jindal University, Raigarh

Organizing
Alumni Talk on

Career Guidance in Core Sector After Diploma/ B.Tech

24th June 2024 11:00 AM to 12:00 Noon

Speaker
Saurabh Kumar
Assistant Manager
Engineering & Project Department, Tata Steel

Dr. C.M. Ban
Professor & Head, EE Department,
OPJU

Mrs. Bhawana Deshmukh
Assistant Professor, EE Department,
OPJU

Mr. Rupesh Patel
Teaching Assistant,
Department of Electrical Engineering,
OPJU

For Registration Visit the Link : <https://shorturl.at/OPYt>

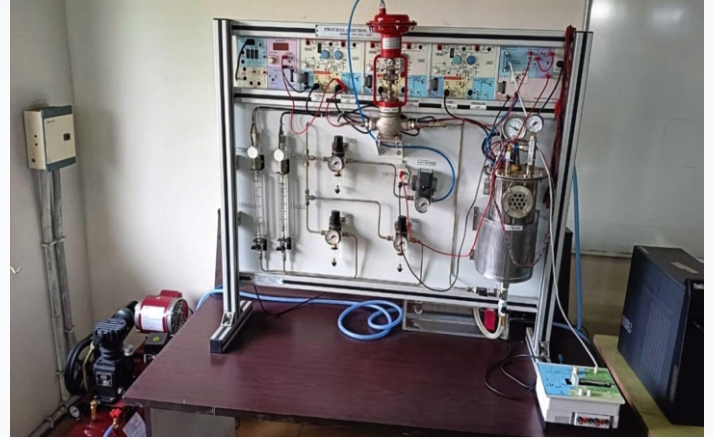
Scan this QR for Registration

One-day Hands-on Training program was organized on the topic “**Circuit Designing Workshop**” for the second year students on 30 th May 2024 by resource person **Mr. Kapol Nashine (Lab-Incharge)**. The program was coordinated by **Mr. Rupesh Patel (Lecturer, EE)**.

Career Guidance webinar was organized on “**Job opportunities in Core Sector after Diploma**” by Mr. Saurabh Kumar (Assistant Manager, Tata Steel) on 24 th June 2024 and more than 135 students joined through online. Mrs. Bhawana Deshmukh (Assistant Professor) and Mr. Rupesh Patel (Lecturer) coordinated the program.

❖ Other Events

- **MoU's** - The Department of Electrical Engineering has made an MoU with **Sai Rajeswari Institute of Technology**, Proddatur, Andhra Pradesh for promoting and reinforcing cooperation, information-sharing, mutual capability development, academic and research collaboration and knowledge enrichment on 5th April 2024.



- **Infrastructure Development- PID Controller Trainer Kit:**

Awards

❖ Faculty Achievement

- **Dr. Sandeep Biswal**, Sr. Assistant Professor in the Department of Electrical Engineering has been elected as an Associate Editor of one highly prestigious SCI (Q1 category) journal named IET Generation, Transmission, and Distribution for three years.
(<https://ietresearch.onlinelibrary.wiley.com/hub/journal/17518695/homepage/editorial-board>).
- **Mr. Rakesh Patidar and Dr. Amit Jain** presented an Innovation Poster on behalf of the University at the Institution's Innovation Council (IIC) regional meet, Indore (M. P.) on 27 January 2024 and got a Special Jury Award.



- Under the mentorship of **Mr. Shashikant Kaushaley** and **Dr. Dharmendra Singh Saini** Team Vikrant 2.0 participated in the Asia's biggest E-bike competition, **SIEMENS E-BIKE Challenge 2024** at IES University Bhopal from 24th January 2024 to 28th January 2024 .
- **Dr. Ankireddy Narendra** reviewed articles in IEEE-sponsored OTCON 3.0 organized by the O. P. Jindal University Raigarh.



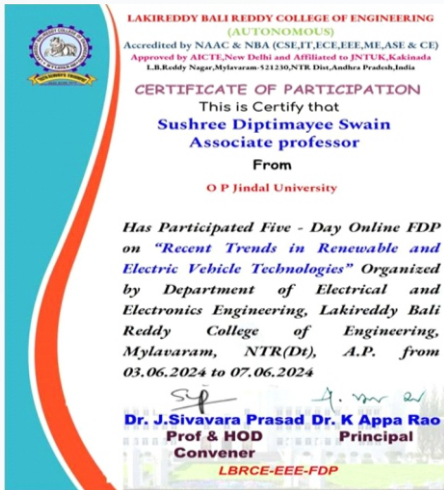
FDP Attended

- **Mr. Rupesh Patel**, Lecturer of Electrical Engineering Dept., SoE participated FDP on “Sustainable Advances in Civil Engineering: Exploring Innovative and Contemporary Research Areas” organized by Department of Civil Engineering, OPJU Raigarh from 01/04/2024 to 05/04/2024.
- **Dr. Ankireddy Narendra** of Electrical Engineering Dept., SoE participated one week FDP on “Navigating the Future with Green Energy Resources, Smart Grid Technologies & Emission-Free Vehicle Infrastructure" (Hybrid Mode)” organized by VIT Bhimavaram, Andhra Pradesh from 22-04-2024 to 27-04-2024.
- **Dr. Ankireddy Narendra** of Electrical Engineering Dept., SoE participated one-week STTP (online) on “Emerging Trends on Control and Automation at Present Scenario" organized by DIT Kolkata, West Bengal from 09-05-2024 to 15-05-2024.



- **Dr Sushree Diptimayee Swain** attended an FDP on “Recent Trends in Renewable and Electric Vehicle Technologies” from 3rd June to 7th June 2024.

- **Dr. Ankireddy Narendra** completed a one-week FDP on “Sustainable Power Generation and Advanced Electrical Systems: New Horizons”, from 03-06-2024 to 07-06-2024 organized by the Department of Electrical Engineering, S R University, Warangal.
- **Dr. Ankireddy Narendra** completed an STTP on “Recent Trends in Electrical Engineering and Teaching Pedagogy” from 24-06-2024 to 29-06-2024 organized by the Department of Electrical Engineering, P.R. Pote (Patil) College of Engineering and Management, Amravati



Research and Publication Corner

❖ International Conference

- **Dr. Sushree Diptimayee Swain** has published a conference paper titled “Analysis of Direct and Indirect Current Control Techniques in p-q Theory Based Shunt Active Power Filter” at the IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE-2024).
- **Mrs. Pushpanjali Shadangi and Dr. Sushree Diptimayee Swain** have published a conference paper titled “Comparative Study of DSTATCOM Pulse Generation Techniques Performances” at the IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE-2024).
- **Dr. Ankireddy Narendra, Dr. Trinath Talapaneni and Dr. Vatsala Chaturvedi** a book chapter titled "Materials Used in Designing of Semiconductor Devices" has accepted to publish in the book titled "Semiconductor Nanoscale Devices: Materials and Design Challenges." to be published by Bentham Publishers.
- SCOPUS indexed book chapter of **Dr. Sandeep Biswal**, Sr. Assistant Professor, Department of EE, titled “Directional Relaying Issues in Power Transmission Networks” will be published in the book titled “Energy and Environmental Aspects of Emerging Technologies for Smart Grid”.

- SCOPUS indexed book chapter of **Dr. Sandeep Biswal**, Sr. Assistant Professor, Department of EE, titled “Optimal Location Selection of Electric Vehicle Charging of Electrical Engineering Stations and Capacitors in Radial Distribution Networks using GJO Algorithm” will be published in the book titled “Energy and Environmental Aspects of Emerging Technologies for Smart Grid”.
- SCOPUS indexed book chapter of **Dr. R. D. Patidar, Dr. Sushree Diptimayee Swain Dr. Sandeep Biswal**, Sr. Assistant Professor, Department of EE, titled “Performance of Grid-Connected Shunt Active Filter Equipped PV System” will be published in the book titled “Energy and Environmental Aspects of Emerging Technologies for Smart Grid”.
- **Mr. Shashikant Kaushaley** has successfully published a patent on, “Self-Healing IoT Network Protocols for Industrial Automation” on 12th January 2024.
- **Mr. Shashikant Kaushaley** successfully filed a patent on, “Natural Language Processing based Language Translating Device” on 10th January 2024.
- **Dr. Sushree Diptimayee Swain**, Dept. of Electrical Eng. attended a 5-days FDP on “Blockchain for Industry 4.0” organized by Dept. of Computer Science. Eng., O P Jindal University, Raigarh.
- **Dr G Madhusudhana Rao** of SoE published a research paper/ patent, “Enhancing the performance of sustainable energy management of buildings in smart cities “Indonesian Journal of Electrical Engineering and Computer Science in the Vol. 33, No. 3, March 2024, pp. 1315~1326 doi :10.11591/ijeecsv33.i3.pp1315-1326.
- **Dr G Madhusudhana Rao** of SoE published a research paper, “Design of an Interline Power Flow Controller Using Advanced Simulation Tools “Proceedings of the 6th International Conference on Communications and Cyber Physical Engineering, Lecture Notes in Electrical Engineering 1096, https://doi.org/10.1007/978-981-99-7137-4_22.
- **Dr. Sandeep Biswal** of SoE (Electrical Engineering) entitled "A Differential Amplitude Variation Based Pilot Relaying Scheme for Microgrid Integrated Distribution System" has been accepted for publication in one of the renowned journals (Q3 Indexed SCIE Journal) named International Journal of Emerging Electric Power System with Impact factor 1.0
- One of the research works of **Dr. Sandeep Biswal**, SoE (Electrical Engineering) entitle "Technical Indices Evaluation of Radial Distribution Network with Optimally Allocated DGs and Capacitors" has been accepted for publication in one of the SCOPUS indexed journals named ECTI Transactions on Electrical Engineering, Electronics, and Communications (ECTI-EEC).

Placements and Internships

❖ Placements

S. No.	Name of the Students Placed	Organization	Package (in Lac)
1.	Nishant Anand	AM/NS	6.0
2.	Bindu Sao	AM/NS	6.0
3.	Sonu Kumar	Dhoot Transmission	1.8
4.	Shrijan Singh	Elematic India	3.3
5.	Kunal Joshi	JSP	8.0
6.	Aniket Kumar	BS Sponge	1.8
7.	Ashish Alok	BS Sponge	1.8
8.	Shivam Pandey	JSP	8.0
9.	Himanshu Jha	JSP	8.0
10.	Harimadhav Roy	BS Sponge	1.8
11.	Harsh Jain	Procmart	3.0
12.	Abhineet Kumar	Procmart	3.0
13.	Ajit Kumar	Quest Globel	3.75
14.	Devendra Vishwakarma	Bajaj Auto	2.0
15.	Shivesh Kumar Singh	JSW Steel	2.7
16.	Yogendra Prasad	JSP	3.6



❖ Internships




Congratulations!

**Electrical
Engineering
Students
got selected for
Long Term
Internship**

O.P. Jindal University

OP Jindal Industrial Park,
Punjipathra, Raigarh [C.G.] 496109

Toll Free: 1800 12000 8090

Website: www.opju.ac.in



S. No.	Name of the Student	Organization	Paid/Unpaid
1.	Shivam K. Jha	BHEL	10K
2.	Rohan Kumar	Gahan AI	10K
3.	Stutu Pathak	Vaquill	10K
4.	Ayush Shrivastava	Hindalco	---
5.	Pooja Kumari	JPL	---
6.	Shivram Mehar	JPL	---
7.	Vikrant Singh	JPL	---
8.	Prutha Chipde	JPL	---
9.	Akash Yadav	JPL	---
10.	Avinash Mahto	JPL	---
11.	Harsh Jain	JPL	---
12.	Sahil Sahoo	JPL	---
13.	Vikas Sahoo	JPL	---
14.	Yashwant Sahoo	JPL	---
15.	Bhaskar Patel	JPL	---
16.	Ayush Pathak	JPL	---
17.	Niket Kumar Rai	Dhoot Pvt. Ltd.	16K
18.	Anish K. Gupta	Dhoot Pvt. Ltd.	16K
19.	Bhaskar Patel	Dhoot Pvt. Ltd.	16K
20.	Rakhi Singh	Dhoot Pvt. Ltd.	16K
21.	Abhineet Singh	Dhoot Pvt. Ltd.	16K
22.	Bhupesh Jangade	Dhoot Pvt. Ltd.	16K
23.	Naibedya Bhyan	Dhoot Pvt. Ltd.	16K
24.	Chandra Om Pratap	Dhoot Pvt. Ltd.	16K
25.	M. Shrikant	Dhoot Pvt. Ltd.	16K
26.	Priyam Sharma	Dhoot Pvt. Ltd.	16K
27.	Shruti Sharma	Dhoot Pvt. Ltd.	16K
28.	Abhishek Dhangar	Dhoot Pvt. Ltd.	16K
29.	Satish Kumar Singh	Dhoot Pvt. Ltd.	16K
30.	Abhishek Panda	Dhoot Pvt. Ltd.	16K
31.	Animesh Rajak	Dhoot Pvt. Ltd.	16K
32.	Sunny Kumar Sahu	Dhoot Pvt. Ltd.	16K

Community Outreach Activities

❖ NSS Activities

NSS Outreach Activity for second year students on 17 May 2024 under NSS at Netrahin Vidhyalaya village Amlidih

Department of Electrical Engineering, SoE conducted an NSS outreach activity by second-year B. Tech students on “Awareness program on basic education and Swacchata Abhiyaan” for the children of Netrahin Vidhyalaya, Amlidih on 17 May 2024. The program begins with interaction with each child and encourages them to learn new things in life. The children were super talented and showcased their skills by performing bhajans with musical instruments. The program was coordinated by Mr. Rakesh Patidar (Assistant Professor) and Mr. Shashikant Kaushalay (Assistant Professor).



NSS Outreach SVEEP Activity for Final & Pre-Final year students on 07 March 2024 at Govt. Middle School, Tumidih and village.

Department of Electrical Engineering, O. P. Jindal University, Raigarh has organized Voter Awareness program under SVEEP for General Election on 07 March 2024 at Govt. Middle School, Tumidih and village. The program begins with Mr. Rakesh Patidar (NSS Activity, I/c) highlighted the importance of SVEEP awareness program for upcoming General Election of India in the month of May-June 2024 to villagers and an awareness rally had moved in village with slogans and signage carrying the importance of voting. The program was coordinated by Mr. Rakesh Patidar (Assistant Professor) and Mr. Shashikant Kaushaley (Assistant Professor).



Faculty Members



Dr. R. D. Patidar Professor of Electrical Engineering Department in O. P. Jindal University Raigarh. He is a graduate in Electrical Engineering from GEC, Rewa, post graduate in Power Electronics with Gold Medal from SGSITS, Indore and Doctorate in Electrical Engineering with specialization in Electrical Power Quality Management from IIT, Roorkee. Presently he is working as Vice-Chancellor with OP Jindal University (OPJU), University of Steel Technology and Management, formally OP Jindal Institute of Technology (OPJIT), Raigarh (C.G.). Prior to Vice-Chancellor, He worked as Director of OPJIT, Dean School of Engineering, Registrar & Pro Vice-Chancellor of OPJU. He also worked as a lecturer to the professor, Dean (Academics) & Incharge Director with Mandsaur Institute of Technology, Mandsaur, from March 1999 to December 2012, where he managed a UNDPITDC/TRC/Govt. of India project as Principal Investigator for the employment of rural people and setup a Technology Resource Centre at Manasa District Neemuch, (MP), India. He has also been associated with time to time in different capacities with central statutory / regulatory/ accreditation bodies of higher education i.e., AICTE, UGC, DST, NAAC, etc. He published/Presented more than 40 research papers in reputed International Journals/Conference Proceedings. His research interest includes Power Quality, Active Power Filters/STATCOM, and Renewable Energy Sources. He is having more than 25 years of academic, industry, research, and academic administration work experience.



Dr. Deepak Singh has been awarded a PhD degree in Electronics & Telecommunication Engineering from National Institute of Technology, Rourkela in 2017. He has completed M. Tech degree in Electronics & Telecommunication Engineering from Veer Mata Jijabai Technological Institute Mumbai, University of Mumbai in 2007, and bachelor in engineering (B.E) in Electronics and Instrumentation Engineering from Samrat Ashok Technological Institute, Vidisha, RGPV Bhopal, 2002. He has more than 13 years of teaching experience and more than 2.5 years of industry experience. He has published a number of research papers for journals and conferences and guided graduate and postgraduate students for their research work. His current interest for research includes Digital Video Compression, Digital image & video processing, Internet of Things (IoT) and Cloud Computing.



Dr. Sushree Diptimayee Swain has received her Ph.D. degree from National Institute of Technology Rourkela, India and M. Tech from SRM University Chennai. She received her B. Tech degree from Biju Patnaik University of Technology, Orissa, India. She has 12 yrs of experience in teaching as well as in research. Dr. Dipti is currently working as Associate Professor, School of Engineering at O. P. Jindal University, Raigarh. As a teacher and researcher, she is a member of professional bodies like IEEE society. Presently, he is Editorial Board Member & Review various National & International Journals of repute. She has experience of being Resource Person for various Workshops & Research Conferences. She has published several Research Papers in International Journals, some book chapters in Elsevier, Willey and CRC press and presented his Research work in National and international Conferences. She expertise in power electronics application in power system, renewable energies, control system etc.



Dr. Sandeep Biswal received his Ph.D. degree in Electrical Engineering from NIT Raipur, India, in 2019 in the field of Power System Protection and M. Tech in Power System Engineering from VSSUT Burla, Odisha in 2013. Dr. Biswal received the POSOCO Power System Award from PGCIL India & Indian Institute of Technology Delhi, India. He has a combined experience of 8.5 in teaching and industries. Currently, he is working as an Associate Professor with the Department of Electrical Engineering, O. P. Jindal University, Raigarh, India, where he has been since 2019. He has published a total of 30 papers including SCI/SCOPUS Journals, Conferences, and Book Chapters. He has served as an editor of 2 edited books of international repute. He is an active reviewer of many reputed journals like IEEE Transaction on Power Delivery, IEEE Transaction on Power System, IEEE Transaction on Circuit and System-I, IEEE Transaction on Circuit and System-II, IEEE Systems Journal, Journal of Electric Power Components and Systems, Taylor and Francis, European Transaction on Electrical Power, Electric Power System Research and many more. His research interests include power system relaying and monitoring, micro-grid protection etc. Dr. Biswal is a Senior IEEE Member, a Member IEEE MP Section, and also serves as an Associate Editor of IET Generation, Transmission, & Distribution journal.



Mrs. Pushpanjali Shadangi Hota has submitted her Ph. D. Thesis in Power Electronics Controller Design from O. P. Jindal University Raigarh, Chhattisgarh. She has completed her M. Tech degree in Power System, from Shree Ram Institute of Technology, Jabalpur, India and bachelor degree in Electrical & Electronics Engineering from OP Jindal Institute of Technology, under CSVTU Raigarh, India. She has more than 10 years of experience in both teaching and research and published more than 15 research articles in renowned journals book chapters and conferences. Her current research interests include power electronics controller design, Artificial Intelligence, fuzzy logic, Photovoltaic cells and its integration to grid.



Mrs. Bhawana Deshmukh is pursuing her Ph.D. degree from Veer Surendra Sai University of Technology (VSSUT) Burla, Odisha, India. She received her Master's degree in Electrical Engineering with a specialization in Power Electronics Engineering from Raipur Institute of Technology, Raipur, Chhattisgarh and a bachelor's degree (AMIE) in Electrical Engineering from The Institution of Engineers (India), Kolkata. She is currently working as an Assistant Professor in Electrical Engineering Department at OP Jindal University Raigarh, Chhattisgarh. She has also published an SCIE paper in IJEPES Elsevier and presented many research papers at various national and prestigious international conferences. Her main research interests are in Power System Relaying, Distribution System Protection and Planning and Microgrid Protection. Mrs. Bhawana Deshmukh is a life member of the Associate member of Engineers (IEI) and also chartered Engineers.



Dr. Ankireddy Narendra has received a B. Tech degree in Electrical and Electronics Engineering from Jawaharlal Nehru Technological University, Kakinada, India, in 2011 and an M. degree in power systems and automation from Andhra University, Visakhapatnam, in 2014. He has completed his Ph.D. from the National Institute of Technology Rourkela, in the area of photovoltaics and machine drives. His area of research is solar photovoltaics, power electronic converters, electrical machine drives and dual active bridge DC-DC converters. He has published more than 18 articles in which 8 SCIE journals, 1 National Journal, 7 International IEEE conferences, and 2 book chapters in Elsevier and CRC. His articles are published in highly reputed international journals such as IEEE, Elsevier, and Wiley etc., he has membership in various professional bodies such as IEEE (for 3 years), IAENG (for 3 years). Moreover, he has qualified GATE five times.



Mr. Rakesh Patidar has completed his master degree in Instrumentation Engineering from Devi Ahilya Vishwavidyalaya, Indore India in 2011 and bachelor degree in Electronics and Instrumentation from Institute of Engineering & Technology, Devi Ahilya Vishwavidyalaya, Indore in 2006. He is pursuing PhD from O. P. Jindal University, Raigarh. He has more than 16 years of experience in both teaching and research and published more than 14 international & national conferences. His current research interests include Microcontroller based system design, Internet of Things, Electric Vehicles and Embedded Systems.



Mr. Shashikant Kaushley had received B. Tech degree from Jawaharlal Nehru Technological University, Kakinada in 2014 & M. Tech degree from National Institute of Technology, Raipur in 2018, and now pursuing Ph.D. degree from National Institute of Technology, Raipur. He has research experience of more than six years. He has pushed more than 10 research papers in International Journal and conferences. His research areas Includes Optimization, Machine Learning, Controller design, and Forecasting.



Mr. Rupesh Patel received his Master degree in Electrical Engineering with specialization in Industrial Electronics from National Institute of Technology Rourkela, Odisha, India, in 2014, and bachelor degree in Electrical and Electronics Engineering in 2011 respectively. He was associated with Govt. Prayas Residential School, Korba Chhattisgarh and before it as a lecturer with Shri Rawatpura Sarkar Institute of Technology Raipur. He has more than 6 years of experience in teaching and continuing his research works and also completed Bachelor of Library Science to enhance his skills. His area of interest is application of solar photovoltaic in power generation for small loads.

Staff Members



Mr. K. P. Satish received ITI electrical from NCVT Kerala in 1996 then he attained a diploma in electrical engineering from RKDF University Bhopal in 2019. He has more than 23 years of experience in which he served as a lab assistant at Chistian college of engineering and technology, Bhilai from 1999-2008, later he joined as lab staff at OPJU from 2008 to till date. He is expertise in handling, maintaining, and troubleshooting electrical machines, electrical drives, high voltage, and power system simulation laboratories.



Mr. Kapol Nashine received a diploma in Electronics and Telecommunication Engineering from Durg polytechnic college in 2004. He has experience in telecom as well as institutional experience of more than 18 years. From, 2004 to 2007 he worked at Bharti Airtel Ltd and was promoted to the level of technical officer, from 2007 to 2011 as a lab instructor at M P Christian college Bhilai, and then from 2011 to till date he is working as a lab Instructor in O. P. Jindal University, Raigarh. He has vital experience in the commissioning, maintenance, and conduction of microprocessors and microcontrollers, electronic devices and circuits, linear integrated circuits, and digital electronics laboratories. Moreover, he has expertise in Multisim, Lab VIEW, SciLab, Keil, and Proteus, etc.



Mr. Jugal Kishor received a diploma in Electrical Engineering from IBT college, Bhilai in 2017 and he completed his B. Tech from Kirodimal institute of technology, Raigarh in 2022. He is pursuing M. Tech in power system from Kalinga University Raipur, India. He is working as a lab staff in the Electrical Engineering Department at O. P. Jindal University since 2019. He has more than 5 years of experience in handling control systems, digital electronics, electrical circuits & network analysis, basic electrical engineering and power systems simulation lab.



Mr. Pankaj Badek received B. Tech degree in Electrical and Electronics Engineering from O. P. Jindal University, Raigarh. He is working as a lab instructor at O. P. Jindal University since 2021. He has more than 3 years of experience in handling power electronics and power systems and protection labs. Moreover, he has good knowledge of simulation software such as MATLAB and PSCAD.

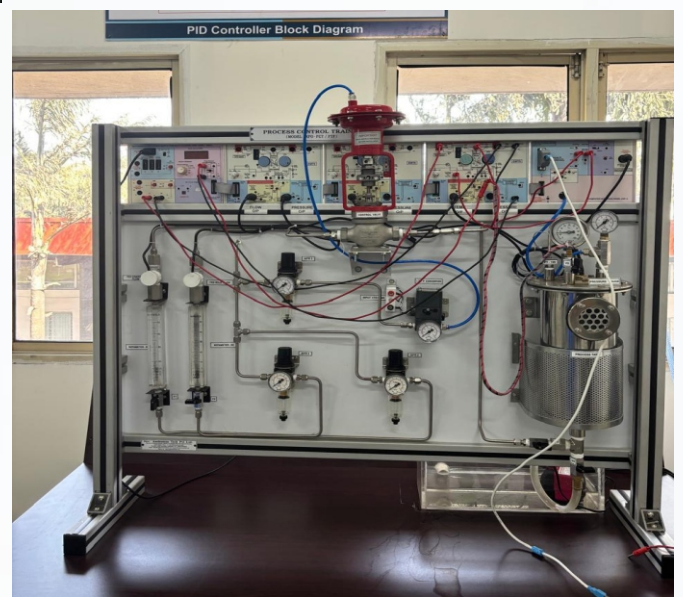
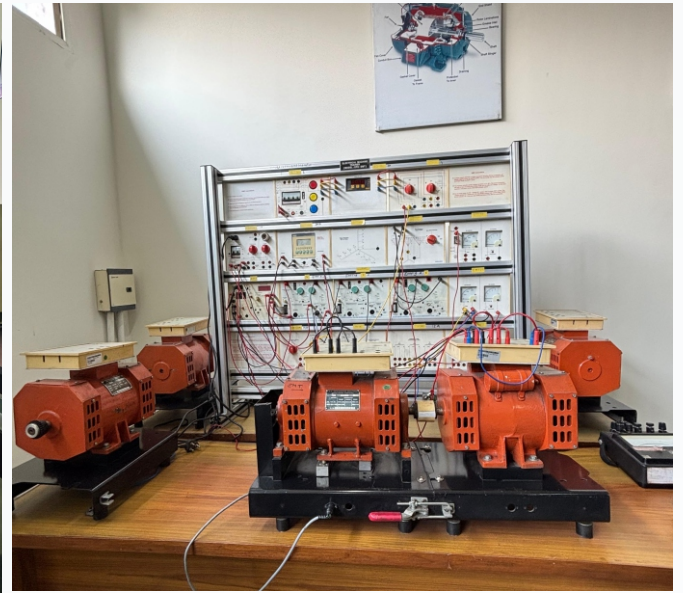


Mr. Jitendra Singh working as a Lab Attendant at O. P. Jindal University since 2012. He has more than 12 years of experience.

Our Prestigious Recruiters



Our Labs and Infrastructure





OPJU-Statistics

Schools

School of Engineering

Diploma | B.Tech. | M.Tech. | Ph.D.

School of Management

B.Com.(Hons.) | BA (Hons.) Economics |
BBA | MBA | Executive MBA | Ph.D.

School of Science









B.Sc.(Hons.) | M.Sc. | Ph.D.
B.Sc.(Hons.) in Fashion Designing*

Centres of Excellence



Centre for Sustainable Technology & Product Development

CoE in Steel Technology
CoE in Industry 4.0
CoE in Material Science & Nano Technology
CoE in Manufacturing & Automation
CoE in Logistics & Supply Chain Management
CoE in Environment & Waste Management
CoE in Power Technology





Infrastructure

 50 Acre Land Area	 5,00,000 Sqft. Build up Area
 1000 Capacity Hall of Residence 1 & 2	 350 Capacity Hall of Residence 3
 1000 Mbps (1:1) Connectivity Fully Wi-fi Campus	 1000 Networked Computer Systems
 45 Well Equipped Laboratories	 Central Library



Research & Publication

 90 Referred International Journals	 38 Referred National Journals
---	--










Library

 30,000 Books	 5000 Titles
 15,000 E-journals	 2,50,000 E-books






Collaboration & MoUs

 45 National	 10 International
--	---

Students




 2200 Students	 60% Boys	 80% UG
 40% Girls	 20% PG	
 Student from 20 Different states	 3500 Alumni	
 1 : 15 Faculty-Student Ratio	 35 Average age of the Faculty Members	

Faculty and Staff

 110 Faculty	 80% PhD	 70% Male
 20% PG	 30% female	
 80% Faculty Qualification from IIT, IIT, NIT & IIM	 20% Faculty with global experience	 100 Non-teaching Staff

Placement Statistics

Year 2023-24

 75 Campus Drives	 76% Students Placed	 6.5 Lacs Average Package
--	--	---

O. P. JINDAL UNIVERSITY

OP Jindal Knowledge Park, Punjipathra, Raigarh [C.G.] - 496109

Toll Free : 1800 12000 8090 | Website : www.opju.ac.in