



Department of
Electrical Engineering

Newsletter

SPARK

Volume - III , Issue - I

Message by the Vice Chancellor

Dr. R. D. PATIDAR

Vice Chancellor

O.P. Jindal University, Raigarh(C.G.)



“*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.

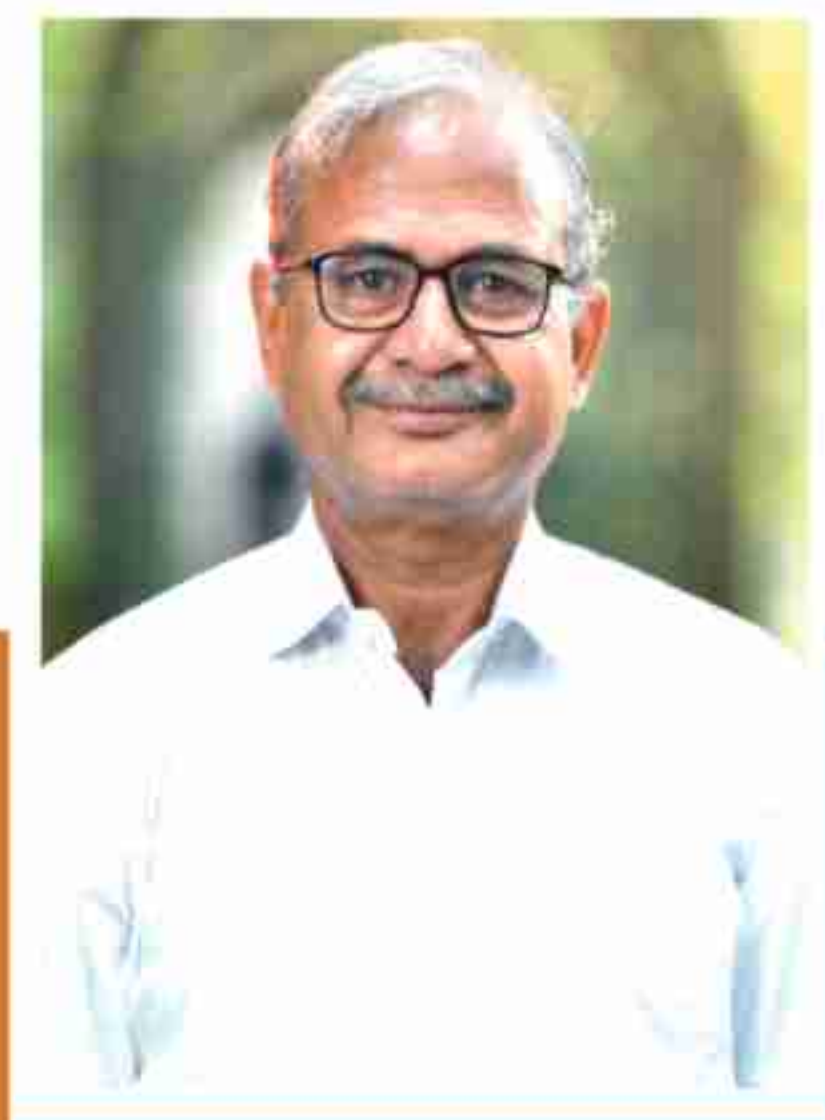
I am excited to watch our Electrical Engineering Department thrive and achieve even greater success. Let's continue to work together to inspire, innovate, and make a lasting impact on the world. Thank you for your unwavering commitment to the highest standards of electrical engineering.

”

Message by the Vice Dean

Dr. R. S. TARE

Vice Dean- Electrical Engineering
O.P. Jindal University, Raigarh(C.G.)



“It is my honor and privilege to welcome you to the 2nd edition of “SPARK”, the biannual newsletter of the Department of Electrical Engineering. As Vice-Dean, I take great pride in the achievements of our students, faculty, and researchers who continue to push the boundaries of innovation and excellence.

Electrical Engineering lies at the heart of the technological revolution shaping our modern world. From power systems and telecommunications to embedded systems and artificial intelligence, our field is critical in solving real-world challenges and enabling sustainable development.

Our department is committed to providing a dynamic and forward-thinking educational experience. We emphasize not only theoretical understanding but also practical application through cutting-edge laboratories, industry collaborations, and research initiatives. We continually update our curriculum to reflect emerging technologies and the demands of a rapidly evolving global market.

To our students: You are the future engineers, thinkers, and leaders. I encourage you to explore boldly, question thoughtfully, and contribute meaningfully. The opportunities here are vast—make the most of them.

To our alumni and industry partners: Thank you for your continued support and engagement. Your successes inspire our current students and strengthen the legacy of this department. Let us continue to work together to drive progress and create a positive impact through innovation, ethics, and excellence in electrical engineering.

”

Message by the Head of Department

Dr. S. Diptimayee Swain
Head- Electrical Engineering
O.P. Jindal University, Raigarh(C.G.)

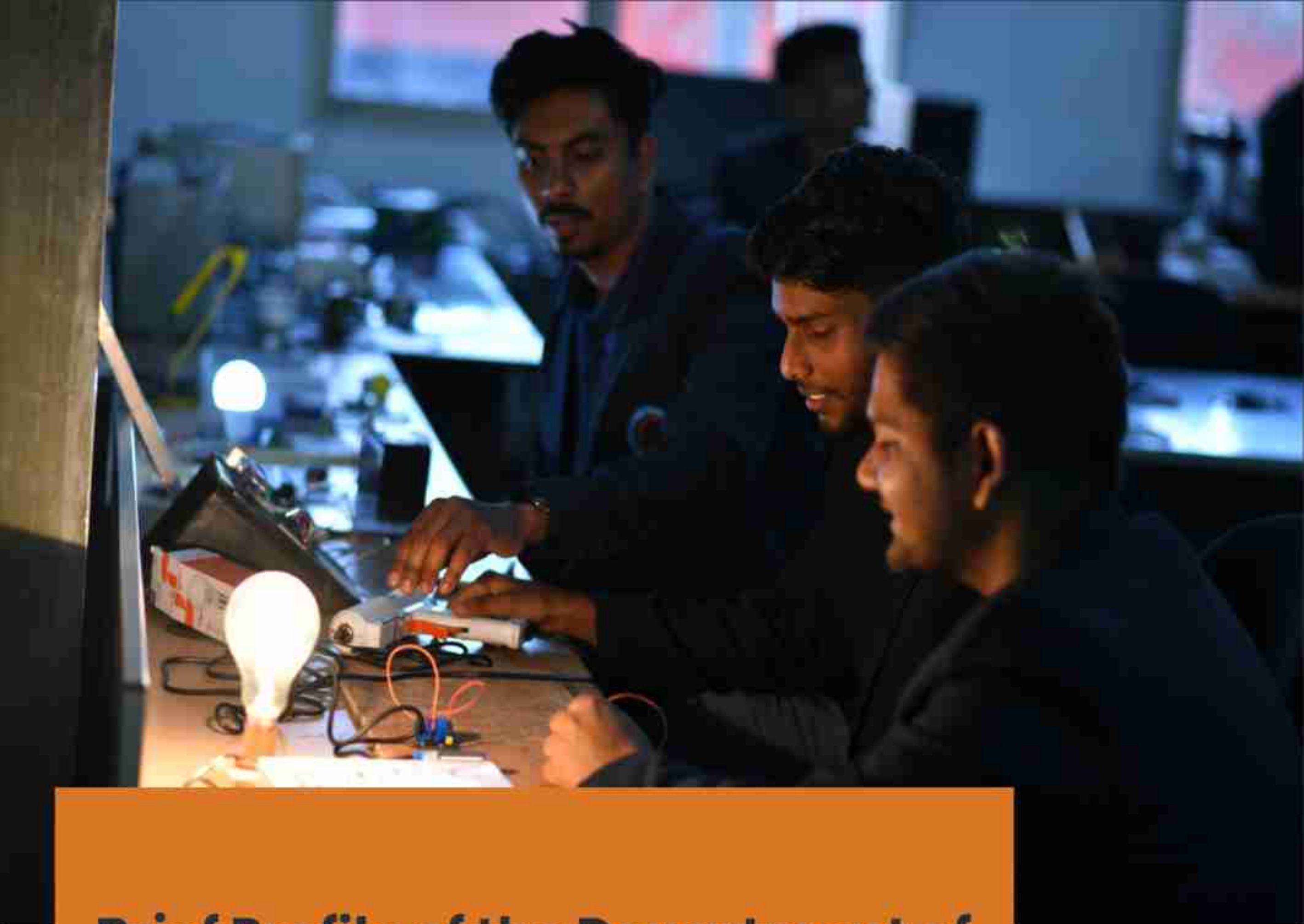


“It is with great excitement that I introduce the 2nd edition of “SPARK”, the biannual newsletter of the Department of Electrical Engineering our flagship program that continues to be highly sought after by students. I would like to extend my heartfelt greetings to our esteemed faculty members, whose 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 ground breaking 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 ground-breaking 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 Electrical Engineering

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)**

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 & ACTIVITIES

Mr. Rupesh Patel (Lecturer) completed 15 days of Industrial Training at the Jindal Steel Plant (JSP), Raigarh from December 16 to Jan 01, 2025. The training provides a comprehensive, hands-on experience with industrial electrical systems and power plant.



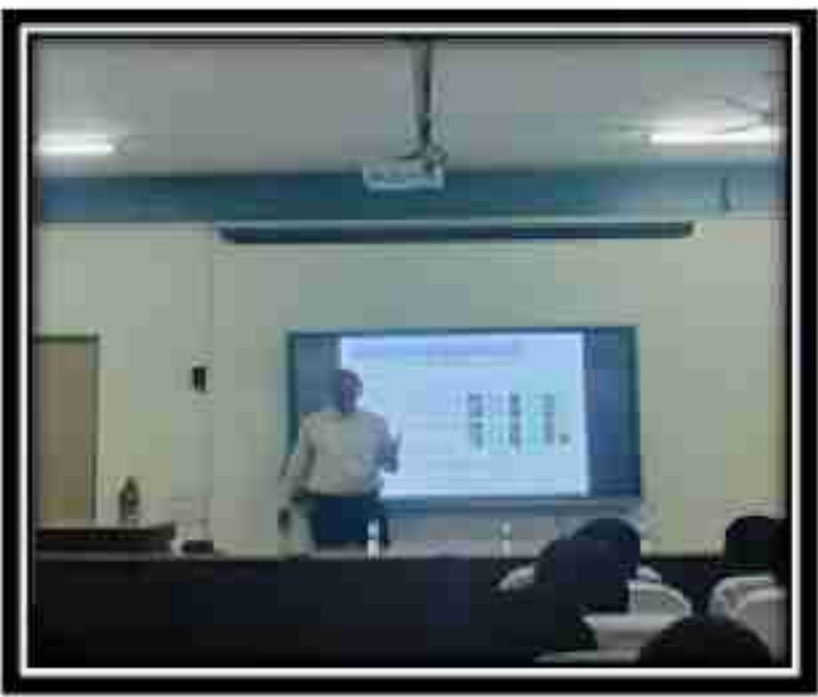
The Department of Electrical Engineering organized an STTP on "Real-Time Control of Power Electronics using Microcontroller" from January 6th to 10th, 2025. More than 60 participants registered for the event, which was coordinated by Dr. Pushpanjali Shadangi (Senior Assistant Professor).



Dr. Pushpanjali Shadangi Assistant professor (Senior Grade) along with Head of the Department Dr. Sushree Diptimayee Swain, Associate Professor & HoD organized one expert talk on the topic "Process Innovation Development Technology Readiness Level (TRL), Commercialization of Lab Technologies & Tech Transfer" on 14th February 2025.



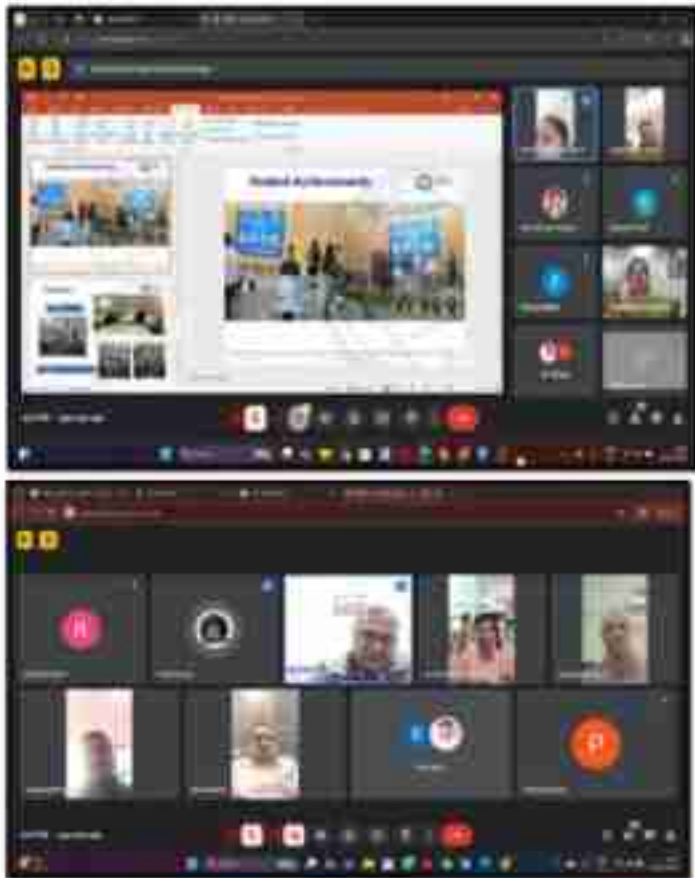
The Department of Electrical Engineering organized a one-day workshop on "Modelling of Advanced Power Electronics Converters" on 27th February 2025. Dr. Shailendra Kumar Sharma (Professor, Department of Electrical Engineering), SGSITS Indore, was the resource person for this session. He provided deep insights into advanced power electronics converter modeling, a crucial domain in modern energy systems. Dr. Pushpanjali Shadangi, Senior Assistant Professor, coordinated the program. Around 65 students along with faculty and staff were present in the event.



The Department of Electrical Engineering organized an expert talk on "Applications of DSP in Advanced Power Electronics Converters" by Dr. Shailendra Kumar Sharma (Professor, SGSITS Indore) on 26 February 2025. Mr. Rakesh Patidar (Assistant Professor, EE) coordinated the program.



The Department of Electrical Engineering organized a Parent-Teacher meeting on February 14, 2025 in online mode. The event provided a valuable platform for meaningful discussion between faculty members and the parents. The gathering was addressed by Dr. R. S. Tare (Vice Dean, SOE) who shared his vision for students' growth for the students of the department and the efforts the university is putting in it. The meeting also had the presence of all faculty members and Dr. Sushree Diptimayee Swain, Associate Professor (HOD, EE). The program was coordinated by Mrs. Bhawana Deshmukh (Assistant Professor, EE).



The Electrical Engineering Department of OPJU organized an industrial visit at EPS MRSS-04 substation on February 12, 2025. During the visit, including technical demonstrations and interactive sessions with industry people. Participants learned about industry best practices, and safety protocols, enhancing their skills and preparing them for future career opportunities. Overall, the industrial visit program offered a comprehensive and immersive learning experience. The visit was coordinated by Mrs. Bhawana Deshmukh (Assistant Professor, EE).



The Electrical Engineering Department of OPJU organized an industrial visit at Dongamahua Captive Power Plant, Tamnar (DCPP), on February 21, 2025. During the visit, including technical demonstrations and interactive sessions with industry people. Participants learned about industry best practices, and safety protocols, enhancing their skills and preparing them for future career opportunities. Overall, the industrial visit program offered a comprehensive and immersive learning experience. The visit was coordinated by Mrs. Bhawana Deshmukh in association with Mr. Rupesh Patel & Mr. Jugal Kishor.



Hands-on training for ITI students of OPJCC. The Department of Electrical Engineering, School of Engineering, organized a 3-day hands-on training Workshop for ITI students of OPJCC from 11-14 March 2025. The speakers of the Workshop were Mr. Rakesh Patidar, Mr. Shashikant Kaushley, Mrs Bhawna Deshmukh, and all department support staff. Mr. Rakesh Patidar coordinated the event.



OPJU Represents at “AI Revolutionizing Education” Event in Indore We are proud to share that our Hon’ble Vice Chancellor recently represented OP Jindal University at the prestigious “AI Revolutionizing Education” event organized by Zeba International Education Scholar birds (ZIES) on 27th April 2025 at Radisson Blu, Indore. As a distinguished speaker, the Vice Chancellor shared insightful perspectives on the transformative role of Artificial Intelligence in education, emphasizing its potential to personalize learning, enhance accessibility, and significantly benefit humanity at large. The event witnessed the presence of over 50 school principals, more than 5 university Vice Chancellors, block education officers, and educational leaders



Vice Chancellor Attends International Conference as Guest of Honour: Our Hon'ble Vice Chancellor represented OP Jindal University at the "International Conference on Advances in Science and Engineering" held at Madhyanchal Professional University (MPU), Bhopal on 29th April 2025. Invited as the Guest of Honour, he delivered an insightful address to the gathering, highlighting the role of academic collaborations and innovation in shaping the future of



science and engineering education. During the event, our Vice Chancellor also engaged in a fruitful discussion with Mrs. Preeti Patel, the Chancellor of MPU, Bhopal. The meeting focused on exploring potential avenues of academic collaboration and culminated in a mutual interest in signing an MoU between OPJU and MPU, which would foster joint research initiatives, faculty exchanges, and student development programs. This interaction marks another step forward in OPJU's ongoing commitment to academic excellence and collaborative growth.

The Department of Electrical Engineering organized a five-day hands-on training program for Agrasen ITI students, Raigarh, from 31st March to 4th April 2025. Led by faculty and technical staff, the program covered topics



like Basic Electronics and Soldering, Industrial Visits (SSD & MRSS4), Electrical Machines I & II, Measurement & Instrumentation, Basic Electrical Engineering, and High Voltage Engineering, along with visits to all engineering departments. Coordinated by Prof. Rakesh Patidar, this initiative provided students with practical experience and technical knowledge in various aspects of electrical engineering.

The Department of Electrical Engineering, in collaboration with the Eco-Club, conducted an NSS activity for final-year students on April 22, 2025. As part of this green initiative, students planted a variety of vegetable saplings to promote environmental sustainability.



The department of Electrical Engineering organized an NSS activity on April 25, 2025 for final-year students at the OPJU Campus, focusing on a campus cleanliness drive. Students participated wholeheartedly, gaining a deeper understanding of the significance of cleanliness.



The Department of Electrical Engineering, O. P. Jindal University, organized a Parents-Teacher Meeting on April 18, 2025, from 12:00 PM to 2:30 PM in offline mode. Convened by Prof. Bhawana Deshmukh, the event provided a valuable platform for interaction between faculty members and parents. Dr. Sushree Diptimayee Swain, Associate Professor and Head of the Department, delivered an insightful presentation on the department's progress, curriculum, and placement activities, while Dr. R. S. Tare, Vice Dean, shared his vision for the university's future growth. The meeting fostered open communication, highlighting the university's commitment to students' academic and professional development.



Mr. Rakesh Patidar (Assistant Professor) completed 15 days of Industrial Training at the Structural Steel Division(SSD) from May 1 to 15, 2025, on "Industrial Electrical Systems & Automation in Steel Fabrication: A Practical Exposure at SSD, JSP". The training provides a comprehensive, hands-on experience with industrial electrical systems, automation, and power management in a large-scale steel fabrication plant.



Dr. Pushpanjali Shadangi (Sr. Assistant Professor) delivers an informative lecture on "USES OF AI TOOLS" on 13th May 2025, organized by the Department of Civil Engineering, Kirodimal Govt. Polytechnic College, Raigarh.

Department of Electrical Engineering, School of Engineering, OPJU Raigarh (C. G.) organized a 5-day hands-on Electrical Engineering Training Program for Agrasen ITI Students, Raigarh from 31st March - 04th April 2025. In this training program, various topics, i.e., 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 to all engineering departments were planned on each day starting from 31st March 2025. An amount of ₹ 8,400/- was generated from this training program, and the amount is submitted to the university account



The Department of Electrical Engineering, SoE, successfully conducted a Faculty Development Program (FDP) on “AI-Powered Smart Grids: Advancing Resilient and Equitable Energy Systems” from 16–20 June 2025 in online mode. Inaugurated by Dr. R. D. Patidar, Hon’ble Vice-Chancellor, the FDP emphasized the transformative role of AI in sustainable energy systems.

With 25 participants from academia and industry, the program featured 10 expert sessions by distinguished speakers, including Dr. Subhojit Ghosh (NIT Raipur) and Dr. Gajendra S. Chawda (University of Michigan, USA), covering key areas such as AI-based load forecasting, grid optimization, and intelligent energy management. The FDP was well-coordinated by Prof. Rakesh Patidar (Assistant Professor) and Prof. Shasikant Kaushlay (Assistant Professor).



Dr. Pushpanjali Shadangi & has attended a 5-day online international workshop on the role of Artificial Intelligence Applications in Emerging Technologies, held from June 10th to 14th, 2025. The workshop was organized by the Department of Electrical and Electronics Engineering, Prasad Siddharth Institute of Technology, Kanuru, Vijayawada, Andhra Pradesh, India.



Research & Publications

Dr. Pushpanjali Shadangi, Senior Assistant Professor department of Electrical engineering has published a paper on "A Novel Approach to Smart Distribution Voltage Regulation Using Adaptive Fuzzy Gain Scheduled method for Micro Grids in ieeexplore. [Link attached]

[A Novel Approach to Smart Distribution Voltage Regulation Using Adaptive Fuzzy Gain Scheduling Method for Micro Grids | IEEE Conference Publication | IEEE Xplore](#)

Dr. Sushree Diptimayee Swain, Associate Professor & Head along with Dr. Pushpanjali Shadangi, Senior Assistant Professor department of Electrical engineering have published a paper on "Design of SSSC based damping controller: A Hybrid PSO-GSA algorithm Approach".

[Design of SSSC-Based Damping Controller: – A Hybrid PSO-GSA Algorithm Approach | IEEE Conference Publication | IEEE Xplore \[Link attached\]](#)

Achievements

Dr. Pushpanjali Shadangi & Mr. Rakesh Patidar has participated in the One-Week Short-Term Faculty Development Program on "Hands-on Practices on Cutting-Edge Technologies of Power Electronics" organized by the Department of Electrical Engineering, Shri Govindram Seksaria Institute of Technology and Science, Indore (M. P.) & Department of Electrical Engineering, O. P. Jindal University, Raigarh C. G.) from 13-19 January 2025 at SGSITS, Indore.



Ms. Anjali Yadav (Ph.D Scholar) has participated in the One-Week Short-Term Faculty Development Program on "Hands-on Practices on Cutting-Edge Technologies of Power Electronics" organized by the Department of Electrical Engineering, Shri Govindram Seksaria Institute of Technology and Science, Indore (M. P.) & Department of Electrical Engineering, O. P. Jindal University, Raigarh(C. G.) from 13-19 January 2025 at SGSITS, Indore.



Mr. Rupesh Patel has participated in Self-Financed One-Week Online STTP on "Sustainable Energy Innovations: Advancing Renewable Systems for Net-Zero Future" from 23-27 May 2025 Organized by Department of Mechanical Engineering & Electrical Engineering NIT Jamshedpur



Mr. Rupesh Patel has successfully attended the Five-Days FDP on "Advances in Materials Processing Technology" organized by the department of Metallurgical Engineering, OPJU Raigarh from 20 – 24 January 2025.

Dr. Pushpanjali Shadangi (Sr. Assistant Professor) has participated in one week FDP on "Emerging Trends and Innovation in Renewable Energy" from 27 - 31 May 2025 organized by Department of Electrical& Electronics Engineering, Geethanjali College of Engineering & Technology, Cheeryal (A. P.).

Mrs. Pushpanjali Shadangi successfully defended her PhD viva voce whose thesis entitled "Resilient DSTATCOM Control for Power Quality Improvement" on 9 January 2025.



Mr. Ajay Panday successfully defended his PhD viva voce whose thesis entitled “Advanced Fault Detection and Protection Strategies for UPFC Compensated Power Networks” on 10 January 2025.



Mr. Rakesh Patidar (Assistant Professor) completed a Coursera certification on the topic “GenAI for Everyone” on 22 February 2025.

Dr. Pushpanjali Shadangi (Assistant Professor(Senior Grade)) completed a Coursera certification on the topic “GenAI for Everyone” on 24 February 2025.



Dr. Pushpanjali Shadangi has participated in One Day Workshop on “LaTeX for Technical Writing” Organized by Guru Ghasidas Vishwavidyalaya Bilaspur on 28 February 2025.



Dr. Pushpanjali Shadangi, Senior Assistant Professor completed the Foundation Level & Advanced level training program of IA (Innovation Ambassador) from MIC.

Mr Rupesh Patel has successfully achieved a Certificate for “THE AGNIRVA SPACE INTERNSHIP PROGRAM (Recognized by AICTE),” an 8-week (from 27 January 2025 to 08 March 2025) internship program.



Ms Priya Patley (B. Tech IV Sem) has secured second place in the Women Welder Fraternity competition held in C. V. Raman University, Bhubaneswar, on the occasion of International Women's Day on 8 March 2025.



Mr Rakesh Patidar has completed a 4-week certification course on Coursera on “Introduction to the Internet of Things and Embedded Systems.” on 15 March 2025

Dr. Pushpanjali Shadangi has completed a 4-week certification course on Coursera on “Introduction to Cybersecurity Essentials” by IBM on 15 March 2025.






Dr. Pushpanjali Shadangi from the Department of Electrical Engineering has presented a paper in the International Conference on Energy, Environment, and Green Technology (ICEEGT 2025), on 3 – 4 April 2025, organized by the Department of Electrical Engineering, NITTTR Kolkata in physical mode.

Mrs Bhawana Deshmukh, Asst professor in EE department OPJU has successfully defended her PhD thesis at VSSUT Burla, Odisha (Government University) on May 2025 under the supervision of Dr Deepak Kumar Lal (VSSUT Burla) and Dr Sandeep Biswal (OPJU Raigarh). Prof. Salman Hameed, AMU Aligarh and Prof Akhtar Kalam Victoria University Australia were the examiner.



Dr. Pushpanjali Shadangi (Sr. Assistant Professor) has participated in one week FDP on "Emerging Trends and Innovation in Renewable Energy" from 27 -31 May 2025 organized by Department of Electrical& Electronics Engineering, Geethanjali College of Engineering & Technology. Cheeryal (A. P.).



Call for Book Chapters

Power Electronics Optimization for Renewable Energy Systems

Brief Description

This book (edited volume) entitled "Optimization of Power Electronics in Sustainable Energy Systems" delves into the integration of power electronics with renewable energy sources, emphasizing efficiency and reliability. It explores converter topologies, control strategies, and optimization techniques like Maximum Power Point Tracking (MPPT) to enhance energy harvesting from photovoltaics and wind turbines. The work also addresses challenges in energy storage integration and grid stability, highlighting the role of intelligent algorithms in managing the variability of renewable sources. This comprehensive resource is valuable for researchers, engineers, and policymakers aiming to advance sustainable energy solutions through optimized power electronic systems. This book will help to fill the knowledge gap between traditional power generation, renewable energy integration, and advanced optimization techniques for managing these complex systems. Further, case studies and applications to bridge the gap between theoretical optimization models and their practical implementation in power systems will be undertaken.


Topics

- Introduction
- Fundamentals of Power Electronics
- Overview of Sustainable Energy Sources
- Power Electronics in Renewable Energy Applications
- Modeling of Power Electronics Systems
- Optimization Techniques in Power Electronics
- Loss Analysis and Efficiency Improvement
- Control Analysis of Enhanced Performance
- Power Quality and Harmonics Mitigation
- Smart Grid Integration and Communication
- Reliability and Fault Tolerance
- Case Studies in Renewable Power System
- Future Trends and Emerging Technologies
- Conclusion and Recommendations


Submission Guidelines

- Submitted chapters must be original, unpublished work and must not be under consideration elsewhere.
- All submissions must be in clear, professional English. Authors for whom English is a second language are encouraged to use proofreading services before submission.
- Each chapter should have a word count between 8000 to 10000 words, single column, 12pt Times New Roman, and single line spacing.
- Each chapter will conclude with a summary that synthesizes the main points and connects them to broader themes. Summaries would be the part of Conclusion in each chapter.
- No AI content should be there.
- Plagiarism should be less than 15% excluding bibliography.
- Please mail/submit your book chapters to: editor.opju@gmail.com


Book Editors




Dr. Pushpanjali Shadangi
Assistant Professor (Senior Grade)
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Dr. Sandeep Biswal
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Dr. Chaitanya Prasad
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Dr. Bhupesh Dewangan
Associate Professor
Department of Electrical Engineering
O. P. Jindal University

Important Dates

- Submission till: 31 August 2025
- Notification of acceptance: 30 September 2025
- Copyright and Camera ready chapter: 15 October 2025



Scan to Submit Your Abstracts

For any query please contact

9109977047, 9109977000

The edited book, entitled "Power Electronics Optimization for Renewable Energy Systems," has been accepted for publication, authored by Dr. Pushpanjali Shadangi, Dr. R. D. Patidar, and Dr. Bhupesh Dewangan, and published by Bentham Science Publications.

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Placements and Internships Placements

S. No.	Name of the Students Placed	Organization	Package (in Lac)
1.	Prutha Chipde	Zenus	5.0
2.	Shivram Mehar	Dhoot Transmission	2.0
3.	Abhineet Singh	Procmart	3.0
4.	Harsh Jain	Procmart	3.0
5.	Ajit Kumar	Quest Global	5.5
6.	Ayush Pathak	Arya Group	4.0
7.	Bhaskar Patel	Arya Group	4.0
8.	Chandra Om Pratap Singh	Arya Group	4.0
9.	Shivam Kumar Jha	Arya Group	4.0
10.	Stuti Pathak	Growth School	3.6
11.	Vikas Sahu	Solar Square	5.0
12.	Naibedya Bhuyan	Movidu	9.0
13.	Shreyansh Bhatt	Movidu	9.0
14.	Mahavratayajula Shrikanth	JSP Raipur	2.4
15.	Gyaneesh Bhatt	OPJ Innovation Center	4.0
16.	Priti Kushwaha	Jindal Steel & Power	12.0
17.	Rohan Kumar Singh	Jindal Steel & Power	12.0
18.	Shruti Sharma	Jindal Steel & Power	12.0
19.	Bhawani Shankar	Mindseekers	5.5
20.	Niket Kumar Rai	GE Vernova	4.0
21.	Rakhi Singh	Jindal Saw	6.5
22.	Anish Kumar Gupta	Jindal Saw	6.5
23.	Abhineet Singh	Arya Group	4.0
24.	Harsh Jain	Quest Global	5.5
25.	Ajit Kumar	Jindal Steel & Power	12.0
26.	Ayush Pathak	Jindal Saw	6.5
27.	Bhaskar Patel	Jindal Saw	6.5
28.	Abhineet Singh	Jindal Steel & Power	12.0
29.	Harsh Jain	Jindal Steel & Power	12.0
30.	Shivam Kumar Jha	Jindal Steel & Power	12.0
31.	Vikas Sahu	Movidu	9.0
32.	Shreyansh Bhatt	Zenus	5.0
33.	Bhawani Shankar	Jindal Saw	6.5
34.	Kunal Joshi	Jindal Steel & Power	8.0
35.	Shivam Pandey	Jindal Steel & Power	8.0



Ms. Stuti Pathak student of B.Tech EE 2025 batch got selected at Growth School



Zenus Group campus recruitment drive was conducted on 29 April 2025 for B.Tech – Mech /CSE/EE/Civil-2025 passing out batch.



Tectronics campus recruitment drive was conducted on 28 April 2025 for B.Tech/M.Tech – EE -2025 passing out batch.

INTERNSHIPS

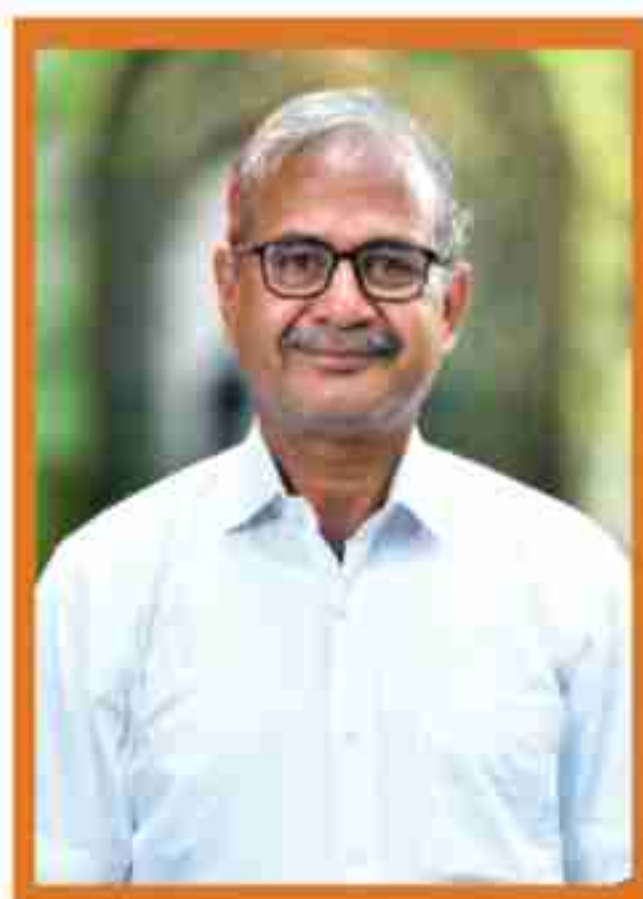
S. No.	Name of the Students	Organization	Paid/Unpaid	S. No.	Name of the Students	Organization	Paid/Unpaid
1.	Shivam K. Jha	BHEL	10K	17	Niket Kumar Rai	Dhoot Pvt. Ltd.	16K
2.	Rohan Kumar	Gahan AI	10K	18	Anish K. Gupta	Dhoot Pvt. Ltd.	16K
3.	Stutu Pathak	Vaquill	10K	19	Bhaskar Patel	Dhoot Pvt. Ltd.	16K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

Faculty Members

Dr. R. D. Patidar is a graduate in Electrical Engineering from GEC, Rewa, post graduate in Power Electronics with Gold Medal by 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) & In-charge 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. R S Tare, Professor in Electrical Engineering Department has over 40+ years of teaching experience in different institutes of repute. He has obtained Batchelor of Engineering for Indore University in Electrical Engineering with Honours. Subsequently he obtained ME Electrical Engineering from Devi Ahilya Vishwavidyalay Indore. He earned is PhD in Electrical Engineering specialising in Power Systems from prestigious Indian Institute of Technology, Delhi. He has published eleven research papers in national and international Journals of repute. His research interests include Power System studies and applications of microcontrollers in Power Electronics. He has rich academic and industrial experience. Many industries sponsored consultancies have been executed successfully under his supervision.



Dr. Sushree Diptimayee Swain has received her Ph.D degree from National Institute of Technology, Rourkela, India and M.Tech from BRM 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 Senior Assistant Professor, School of Engineering at OP 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 Journal, 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. Deepak Singh has been awarded a PhD degree in Electronics & Tele Communication Engineering from National Institute of Technology, Rourkela in 2017. He has completed M.Tech degree in Electronics & Telecommunication Engg from Veermata 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. Sandeep Biswal (Senior Member IEEE) received his Ph.D. degree from National Institute of Technology Raipur, CG, India, in 2019. He received his Master degree in Electrical Engineering with specialization in Power System Engineering from VSSUT Burla, Odisha in 2013 and bachelor degree in Electrical Engineering in 2009 respectively. He has published many papers in Journals of international repute including IEEE Transaction in Power Delivery, IEEE Transaction in Industrial Informatics, EPSR, LEPES, AJSE, PCMPS, JEEPS, IET GTD, and IET SMT. He has also published and presented many research papers in various national prestigious international conferences. He is also recipient of POSOCO PPSA 2019 in doctoral category by IIT Delhi and PGCIL India. He is also an active reviewer of many reputed journals like IEEE Transaction of Power System, His main research interests are in Power System Relaying, Distribution System Protection, HVDC line Protection, Distribution System Planning, Power System Planning and Microgrid Protection. Dr. Biswal is a senior member IEEE and Life Member of ISTE (India). He is also associated with IRC IEEE and IEEE MP Section.



Dr. Pushpanjali Shadangi did her Ph.D. in the topic "Resilient DSTATCOM for power quality improvement" at OP Jindal University Raigarh, Chhattisgarh and 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 11 years of experience in both teaching and research and published more than 15 research articles in renowned journals like SCIE, Willey and springer book chapters and conferences. she has also published and presented many research papers in various national prestigious international conferences. Her current research interests include power electronics controller design, Artificial Intelligence, fuzzy logic, Photovoltaic cells and its integration to grid. She is a IEEE member and life time member of international Association of Engineers (IAE), member of National institute of technical training & skill development.



Dr. Ajay Panday did his Ph.D. degree from O.P. Jindal University, Raigarh, CG, India, in 2025. He received his Master degree in Electrical Engineering with specialization in Power System Engineering from RGPV, Bhopal, MP in 2017 and bachelor degree in Electrical Engineering in 2013 respectively. He has published many papers in Journals of international repute including IEEE Transaction in Power Delivery, EPSR, IJEEPS, Electrical Engineer, IJTRE, IJATSER. He has also published and presented many research papers in various national prestigious international conferences, His main research interests are Power System Protection, Renewable Energy, Transmission Line Protections with the integration of renewable energy sources, Solar & EV. Dr. Ajay is a Life Member of ISTE (India), Member IEEE & Life Member IAENG.



Dr. Bhawana Deshmukh did her Ph.D. degree from Veer Surendra Sal 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 e 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 Micro-Grid Protection. Mrs Bhawana Deshmukh is a life member of the Associate member of Engineers(IEI) and also chartered Engineers.



Mr. Rakesh Patidar has completed his master degree in Instrumentation Engineering from Devi Ahilya Vishwavidyalaya, Indore India and bachelor degree in Electronics and Instrumentation from Institute of Engineering & Technology, Devi Ahilya Vishwavidyalaya, and Indore India. He has more than 15 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 ings and embedded systems.



Mr. Shashikant has 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 include 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 Electrical and Electronics Engineering in 2011 respectively. He was associated with Gov Prayas Residential School, Korba Chhattisgarh and before it as a lecturer with Shri Rawatpura Sarkar Institute of Technology Raipur. With more than 5 years of experience in teaching he is continuing his research work and between he achieved diploma degrees like



Dr. Shuvam Sahay did his Ph.D. in the topic "Performance Evaluation of Optimization Techniques on Grid Dispatch of Power Plants" from National Institute of Technology Jamshedpur and completed his M.Tech. in Power System from National Institute of Technology Jamshedpur. He also did PGDC in Hydro Power Engineering from NPTI HPTC Nangal. He has a total experience of 4.5 years including Industrial experience. He was previously working as an Assistant Professor in the Department of Electrical Engineering in Sarala Birla University, Ranchi. He also worked as project Engineer in GVK Hydel power plant under Hydro Magus Pvt. Ltd. He has published 4 International journals with 15 conferences including 6 book chapters. He also awarded with a best research paper award by GH Rasoni College of Engineering, Nagpur in the year 2020. He was a member of IEEE. He reviewed research papers of reputed journals like (Soft Computing (Springer), Asian Journals of Control (Wiley), and System Assurance and management (Springer)). He attended and organized more than six Faculty development program held across the India.



Staff Members

Mr. K. P. Satish Completed diploma in electrical engineering from RKDF University Bhopal in 2019. Christian college of engineering and technology, Bhilai from 1999–2008 as a lab Assistant, later 2008 he joined as lab Assistant at OPJU from 2008 to till date and 2024 as Lab Instructor at OPJU. He has more than 24 years of experience in which he served He is expertise in handling, maintaining, and troubleshooting electrical machines, electrical drives, high voltage, and Control System Lab



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 Instructo in OP 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.



Jugal Kishor. received his M. Tech degree in Power System And Control, "An Enhanced GJO–Pattern Search Algorithm to Solve the Optimal Power Dispatch Problem" is the title of his M.Tech thesis, which he turned in to Kalinga University in Raipur, Chhattisgarh. He then graduated in 2022 with a B.Tech from Kirodimal Institute of Technology in Raigrah. In 2017, he earned his electrical engineering diploma from IBT College in Bhilai. Since 2019, he has been employed by OP Jindal University as a lab Instructor member in the electrical engineering department. In addition to fundamental electrical engineering, he has over 6 years of expertise in digital electronics, electrical circuits and network analysis, control systems, and power systems simulation labs. He knows a lot about simulation programs like PSCAD and MATLAB.



Mr. Pankaj Badek received his B.Tech degree in Electrical and Electronics Engineering from O. P. Jindal University, Raigarh. He has been working as a Lab Instructor at O. P. Jindal University since 2021, with over four years of experience in conducting and managing laboratory sessions in Power Electronics, Power Systems, Basic Electronics and Digital Electronics. He has hands-on experience with Arduino Uno for student projects and application in Power Electronics experiments. Mr. Badek is also proficient in simulation tools such as MATLAB and PSCAD.



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**2nd International Conference on Electrical and Electronics for
Sustainable Innovations 2026 (ICEESI 2026)**

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