



Newsletter 2024

Volume - 1, Issue - 2



OPJU

UNIVERSITY OF STEEL TECHNOLOGY
AND MANAGEMENT



**Department of
Electrical Engineering**

O.P. Jindal University, Raigarh

Recognized by UGC & Approved by AICTE

Message of the Vice Chancellor

Welcome to the latest edition of our esteemed Electrical Engineering Department's newsletter. Our department continues to shine as a beacon of academic excellence and innovation, shaping the future of electrical engineering. In today's ever changing world, electrical engineering plays a pivotal role, from driving sustainable energy initiatives to pioneering cutting edge advancements in electric vehicles. Our department remains at the forefront of addressing the pressing challenges of our society. Our dedicated faculty, researchers and students consistently push the boundaries of knowledge, contributing to ground breaking research and projects. Their efforts make us proud. I am delighted to share that our University has achieved a notable ranking in the NIRF (Innovation) Band 151-300 and received the 'Most Promising Corporate-Governed University' award at the NNERU (New Normal Education Summit) in Delhi. We are also pleased to announce the establishment of a new Mining Engineering Department offering a diploma course. As we adapt our curriculum to align with the progressive National Education Policy (NEP) and prepare for the National Assessment and Accreditation Council (NAAC) evaluation, I encourage you all to continue pursuing excellence, collaborate on interdisciplinary projects and embrace innovative technologies. By working together, we can find solutions to the challenges of our time. I am excited to witness the ongoing growth and success of our Electrical Engineering Departments. Let's maintain our collaborative efforts to inspire, innovate and make a meaningful impact on the world. Your unwavering commitment to upholding the highest standards in electrical engineering is deeply appreciated.



Dr. R. D. Patidar
Vice-Chancellor

Message of the Head of the Department

I am delighted to launch the first edition of "SPARK", the biannual newsletter of the department of electrical engineering, which is the most sought-after Programme among the students. I would like to extend my warmest greetings to our esteemed team of faculty members, who are constantly pushing the limits of knowledge in this rapidly- evolving field. Our department is committed to providing a stimulating learning environment that encourages creativity, innovation and critical thinking. Our department places a strong emphasis on research and innovation, alongside our commitment to teaching. Our faculty members are actively involved in ground breaking research spanning diverse areas such as Electrical Vehicles, Photovoltaic cells, Artificial Intelligence, Robust Control System Designing with IoT and Python, and Embedded Systems. Their passion for excellence in the field of Electrical Engineering has contributed significantly to our department's reputation as one of the leading research hubs. With the dedication of our distinguished faculty and the talent of our students, we are driving cutting-edge research and innovation in fields. We sincerely appreciate your continuous support and encouragement, which enables us to advance the realm of computer science and shape the future of technology. Together, we will continue to make significant strides in these fields. Thank you for your ongoing support.



Dr. G. Madhusudhana Rao
Head of the Department

The Department of Electrical Engineering

**Diploma
Electrical Engineering**

**B. Tech
Electrical Engineering**

**M.Tech
Power Electronics & Power System**

**PhD
Electrical Engineering**

Brief Profile of the Department of Electrical Engineering

The Department of Electrical Engineering at O P Jindal University shapes graduate into competent professionals and responsible citizens who would become effective leader and noteworthy innovators in the recent technology areas of Electrical Engineering. We also endeavor to ensure that our graduates adhere to ethical values and are sensitive to environmental and social issues. The department offers education at various levels, including Diploma, B. Tech, M. Tech, and PhD. Initially, it began the B. Tech program in Electrical and Electronics Engineering at OP Jindal Institute of Technology (OPJIT) in 2008, affiliated with Chhattisgarh Swami Vivekananda Technical University (CSVTU). In 2014, OPJIT attained the status of a full-fledged University (approved by UGC, AICTE) and was renamed OP Jindal University (OPJU). The university introduced the M. Tech program in Power Electronics & Power Systems in 2014 and initiated the PhD program in 2017, promoting research initiatives. Consequently, the department was rebranded as the Electrical Engineering Department. The curriculum is regularly updated to inform students about the latest technologies with 22 advanced laboratories. The department has enhanced its laboratories with cutting-edge equipment and possesses advanced experimental and computational resources for research and consultancy projects in various areas of Electrical Engineering.

Strengths

Faculties from IITs and NITs.
 Industry Oriented Curriculum.
 Long Term Internship in Core Industries.
 100% Placement.
 More Practical Exposure.
 Minor Subjects Like IOT, Python,
 Artificial Intelligence.
 Expertise in Electric Vehicles, Machine
 Learning, Cyber Security.

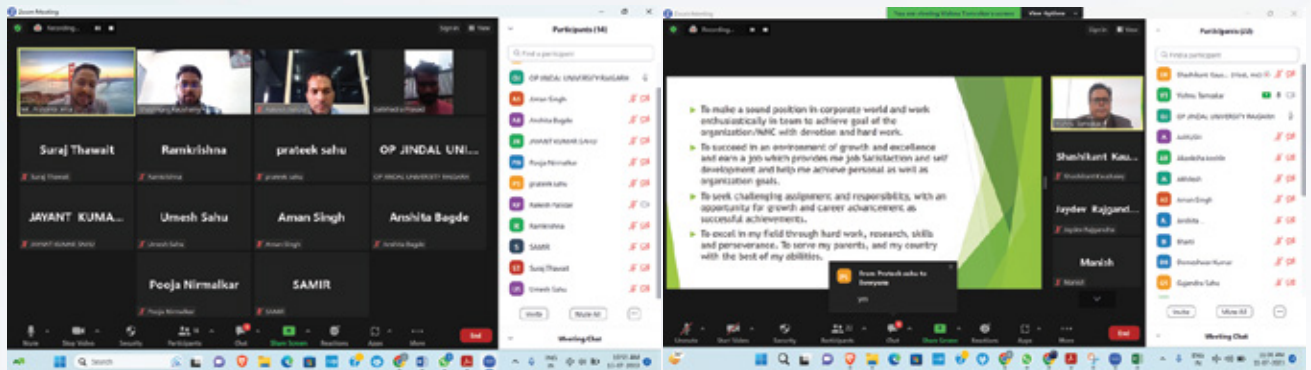
Highlights of the Department

High Voltage Engineering Lab.
 Electrical Machines Lab.
 Electric Vehicle Lab.
 Electrical Drives Lab.
 Product Development Lab.
 MATLAB, OPAL-RT, Lab View, PSCAD Lab.
 Highly Qualified and Experienced Faculty.
 High Tech Classrooms with Smart Boards.
 Emphasis on Soft Skills Development.

Events and Activities Corner

Workshops

- Department of Electrical Engineering has organized a five days online training program on “Needs of Industrial Application in Electrical Engineering” from 10th-14th July 2023, Prof. Shashikant Kaushalay is the convener of the program.



Celebration of Teachers Day

- Teachers day is celebrated on the birth anniversary of Dr Sarvapalli Radhakrishnan on 5th September 2023 by the department of electrical engineering. Prof. Rakesh Patidar and Prof. Pushpanjali Shadangi have coordinated the program. Some cultural and fun activities were planned for faculties and students, and the event was graced by the honorable Vice chancellor.



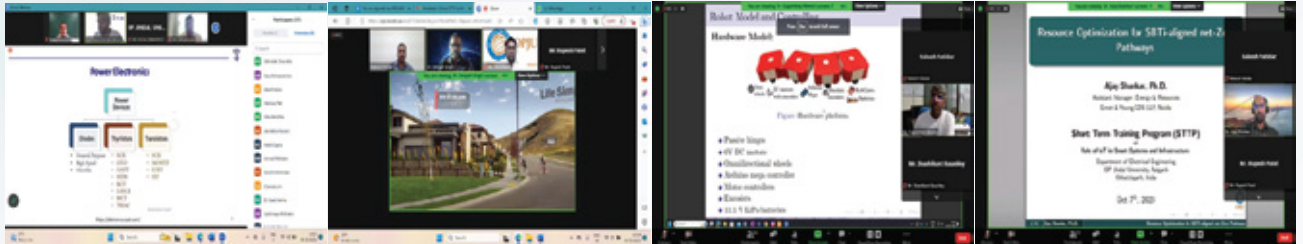
Celebration of Engineers Day

- Prof. Pushpanjali S Hota, Prof. Rakesh Patidar & Prof. Rupesh Patel has organized Engineers Day event on the theme “Recent Trends in Science & Technology” for all the engineering and science departments. Three events were organized: poster making, technical power-point presentation and project prototype model making competitions on 15th September 2023. Total more than 75+ students participated in all the three events. The Honorable Vice Chancellor sir addressed the gathering and motivated students for their future.



Short Term Training Programme

- Department of Electrical Engineering organized an online Five days STTP on “Role of IOT in Smart Systems and Infrastructure” from 03-07 October 2023. Total 9 sessions were delivered by external and internal keynote speakers on various emerging topics in the field of IOT. Prof. Rakesh Patidar and Prof. Rupesh Patel were the convener and co-convener of the STTP respectively.



Expert Talk

- Dept. of Electrical Engineering in association with CDC successfully conducted an online webinar on “Techniques for Leading Group Discussion” on 6th November 2023 for all final year students of School of Engineering.



Technical Training

- Dept. of Electrical Engineering successfully conducted a 6-days Online session on “Technical Preparation Classes for Campus Drive” for B.Tech Final Year Students from 3/11/2023 to 9/11/2023.

Celebration of National Energy Conservation Day

- Mr. Rakesh Patidar & Dr. Prasenjit Biswas organized National Energy Conservation Day under the Institution's Innovation Council (IIC), OPJU on 14th December 2023. On this Occasion “A Poster Presentation & Open Quiz Competition” was conducted for the students of various departments of the University.

Around 76 participants registered for the competitions in both categories. and around 20 participants were shortlisted for poster presentation, and they were presented their posters in the competition. In an open quiz competition, more than 60 students participate.



Other Events

MoUs

- Dr. G. Madhusudhan Rao, Mr. Rakesh Patidar and Mr. Kapol Nashine went to represent the Electrical Engineering for the MOU between OP Jindal University and Government Polytechnic College, Jamshedpur on 13th September 2023.
- The department of EE has collaborated with Arka Jain University, and exchanged their MoU on 04-08-2023 for mutual capability development, Academic & Research Collaboration, and Knowledge Enrichment.



Infrastructure Development

Solar Plant

Earthing Workshop OPJU

Energy Management

Faculty Achievement

- **Dr. Ankireddy Narendra**, delivered a talk on “Renewable Energy Sources and Opportunities” under a five days online training program on “Needs of Industrial Application in Electrical Engineering” held on 10-07-2023.
- **Dr. Prasanta Kumar Jena**, delivered a talk on “Cyber Security” under a five days online training program on “Needs of Industrial Application in Electrical Engineering” held on 13-07-2023.
- **Ms. Pushpanjali Shadangi**, the keynote speaker of a five days online training program on “Needs of Industrial Application in Electrical Engineering” on 14th July 2023.
- **Dr. Sushree Diptimayee Swain**, the keynote speaker of a five days online training program on “Needs of Industrial Application in Electrical Engineering” held on 11-07-2023.
- **Dr. Sushree Diptimayee Swain**, Invited as a member of the Technical Committee for the 2nd Edition of the International Conference on Intelligent Controller and Computing for Smart Power (ICICCSPP 2024), Srinidhi Institute of Technology, Hyderabad, India.
- **Ms. Pushpanjali Shadangi**, attended 5 days STTP & workshop on “ Sustainable technologies & energy management of hybrid microgrid(STEMM-2023) on 12th -16th JULY2023 organized by IEEE Rourkela section.
- **Ms. Pushpanjali Shadangi**, attended one day FDP on “Power System Design and Simulation using DigSIELNT PowerFactory Software” on 17th July organized by SimulationTech.
- **Ms. Pushpanjali Shadangi**, attended one day FDP on “Automation System Design & Simulation using Automation Studio Software” on 7th July organized by SimulationTech.
- **Dr Ankireddy Narendra**, attended a 5-days FDP on “Recent Development in Electrical and Electronics: a Research Prospective”, organized by Sri Venkateswara College of Engineering and Technology held from 24-07-2023 to 28-07-2023.
- **Dr Ankireddy Narendra**, attended an IEEE sponsored 5-days FDP on “Future Trends and Advances in Electrical Engineering”, organized by Aditya Engineering College held from 05-07-2023 to 09-07-2023

- **Mr. Rakesh Patidar** had attended a National Webinar on "Sustainable Biomass Renewable Energy Supply Chain Management" on 5th August 2023 organized by Mandsaur University, Mandsaur (M. P.).
- **Mr. Rakesh Patidar** had delivered an expert lecture on "Measurement & Instrumentation" on 19 August 2023 at Jindal Institute of Power Technology Tamnar (C. G.).
- **Dr G Madhusudhana Rao** has attended the FDP on "Recent advances in the power sector, Challenges, Solutions, and Opportunities" conducted by EEE Department, Vidya Jyothi Institute of Technology from 31-07-2023 to 05-08-2023.
- **Ms Pushpanjali Shadangi** delivered an expert lecture on "Concept of control system and its industrial applications" on 17th August 2023 at Jindal Institute of Power Technology Tamnar (C. G.).
- **Ms. Pushpanjali Shadangi**, is appointed as a reviewer of American Journal of Electrical Power and Energy Systems (EPES).
- **Ms Pushpanjali Shadangi** delivered an expert lecture on "Basis of AC circuits and applications" on 18th August 2023 at Jindal Institute of Power Technology Tamnar (C. G.).
- **Ms Pushpanjali Shadangi** attended a Short Term Course on "Sustainable Development Goals: Challenges and Opportunities" scheduled from 21/08/2023 to 25/08/2023 to be conducted by NITTTR, Chandigarh.
- **Ms Pushpanjali Shadangi** attended a webinar on "Future of Technology Entrepreneurship in India" dated 12th August 2023.
- **Mr. Rakesh Patidar** delivered an expert talk on the topic "Applications and research challenges in microprocessor and Controller" in One-week STTP on Challenges, Applications and Techniques in Engineering Research and Design at Arka Jain University, Jamshedpur (JH) on 12th September 2023.
- **Dr Sushree Diptimayee Swain** attended a FDP on "Smart Grid and Integration of Distributed Generation" during 28 August to 1 September 2023.
- **Mrs Pushpanjali Shadangi** attended a FDP on "Smart Grid and Integration of Distributed Generation" during 28 August to 1 September 2023.
- **Dr. Ankireddy Narendra** delivered a Talk on "Power Electronics in the Point of Industry" for B.Tech Final Year student under "Pre-Placement Preparation" on 03-11-2023.
- **Mr Jitendra Kumar Sao**, successfully defended his PhD thesis for the award of PhD degree on 24-11-2023 under the supervision of Dr R D Patidar (Honorable Vice Chancellor) and Dr Sushree Diptimayee Swain. Moreover, he is first Research scholar from the department of Electrical Engineering.



- **Dr. Ankireddy Narendra** acted as a "session chair" in 11th National Power Electronics Conference (NPEC2023) held at IIT Guwahati during 14-16 Dec, 2023.

Research and Publication Corner

International Conference

Dr. Sandeep Biswal has published a conference paper titled “LSF and Golden Jackal Optimization Algorithm based Optimal Placement and Sizing of Capacitors in Distribution System” in IEEE 2nd International Symposium on Sustainable Energy, Signal Processing and Cyber Security (ISSSC).

Dr. Ankireddy Narendra presented a paper on “Universal Motor Drive based Drip Irrigation using PV or Grid System” in 11th National Power Electronics Conference (NPEC2023) held at IIT Guwahati during 14-16 Dec 2023.

Dr. Sandeep Biswal got acceptance of a Scopus indexed book chapter entitled “Directional Relaying Issues in Power Transmission Networks”, It will be published in the book titled “Energy and Environmental Aspects of Emerging Technologies for Smart Grid”.

Dr. R. D. Patidar, Dr. S D Swain & Dr. S. Biswal got acceptance of a scopus indexed book chapter entitled “Performance of Grid-Connected Shunt Active Filter Equipped PV System” It will be published in the book titled “Energy and Environmental Aspects of Emerging Technologies for Smart Grid”.

Research Achievements and Publications

Dr. R D Patidar and Dr. Sandeep Biswal, “A Robust Single Ended Disturbance Detection Scheme For Superconducting Fault Current Limiter Integrated UPFC Compensated Line” SCI Journal Paper Accepted in Electric Power System Research, Elsevier on having impact factor of 3.818.

Ms. Pushpanjali Shadangi and Dr. Sushree Diptimayee Swain published a book chapter “PSO-Based DSTATCOM for Harmonic Compensation Under Different Load Perturbation” under book title "Sustainable Energy and Technological Advancements", SPRINGER.

Dr G Madhusudhana Rao published a book entitled “Hybrid Electric Vehicles”, IIP (Iterative International Publishers), India with ISBN :978-93-5747-293-7.

Dr G Madhusudhana Rao et al have presented a paper titled “ANFIS-based Optimization for achieving the Maximum Torque per Ampere in Induction Motor Drive with PI Controllers” in First International Conference on Advances in Electrical, Electronics and Computational Intelligence (ICAECCI 2023) to be held at KSR College of Engineering, Tiruchengode, Tamil Nadu, India during 19 - 20, October 2023.

Placements and Internships

S.No.	Name of the student	Name of Organization	Name of the Industry Mentor	Name of the OPJU Mentor	Title of the Project
1	BINDU SAO	JSP Raigarh	Mr. S. D. Dubey	Dr. Ankireddy Narendra	An Overview of JSP Thermal Power Plant
2	SANJANA GUPTA	JPL Tamnar	Mr. Satish Sindhe	Mr. Shashikant Kaushley	An Overview of JSP Thermal Power Plant
3	MANOJ KU. SAXENA	JPL Tamnar	Mr. Satish Sindhe	Mr. Shashikant Kaushley	An Overview of JSP Thermal Power Plant
4	GUNJAN RATHORE	JSP Raigarh	Mr. Arijit Ray	Dr. S. D. Swain	Power Plant & EPS in DRI - II Phase - 3
5	NISHANT ANAND	JSW Raigarh	Mr. Sujit Kumar Sabat	Dr Sandeep Biswal	Procurement & Planning at JSW Raigarh
6	AMAN RATHORE	JSW Raigarh	Mr. Sujit Kumar Sabat	Dr Sandeep Biswal	Procurement & Planning at JSW Raigarh
7	ALAN ALVIN SINGH	Workshop, Northern Railway, Lucknow	Mr Abuday Singh(SSE) Mr. Gaurav Singh(SSE)	Dr. G M Rao	Traction Motor Used in Conventional Electric Locomotive Its POH and Testing And Power Transmission Used in MEMU/EMU
8	SHIVAM PANDEY	TPWODL Odisha	Mr. Devendra Yadav	Mrs. Pushpanjali S Hota	Operation and Maintenance at TPWODL
9	SRIJAN SINGH	DB Power Ltd, Janjgir-Champa	Mr. Udayanath Baral	Mrs. Bhawana Deshmukh	Overview of Thermal Power Plant
10	KUNAL JOSHI	JSW Bhusan Sambalpur	Mr. Manoj Samal	Overview of Thermal Power Plant	An Overview of JSP Thermal Power Plant
11	ROUNAK AGRAWAL	Earthing Solution Pvt. Ltd., Jamshedpur	Ms. PriyankVerma	Mrs. Pushpanjali S Hota	Earthing of Electrical Equipments
12	SONU KUMAR	SAIL, Bokaro	Mr. Rajul Harkerni	Dr. Deepak Singh	Analysis of 132 KV Transmission & Distribution Transformers
13	HIMANSHU JHA	Tata Steel , Jamshedpur	Mr. Raj Kumar Sachan	Mr. Rakesh Patidar	Cold Rolling Mill at Tata Steel
14	ASHISH ALOK	Tata Steel , Jamshedpur	Mr. Amit Kumar Jha	Mr. Rupesh Patel	LD#2 & SLAB CASTER
15	HARI MADHAV	IOCL BRAUNI	Mr. Anand Shrivastva	Mr. Rakesh Patidar	THERMAL POWER STATION

Community Outreach Activities

The Department of Electrical Engineering has organized “one-day workshop on carrier counseling” for the diploma students of Kirodimal Govt. Polytechnic, electrical students at O P Jindal University on date 18 July 2023. Prof. Pushpanjali S Hota, Dr. Prashant Jena and Mr. Kapol coordinated the program. More than 70 students along with their faculties attended the session.



Faculty Members



Dr. R. D. Patidar is a graduate in Electrical Engineering with honors from GEC, Rewa, post graduate in Power Electronics with Gold Medal by SGSITS, Indors 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 UNDP/ITDC/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 ie., 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. G. Madhusudhana Rao, Professor of Electrical Engineering Department in OP Jindal University Raigarh, Chhattisgarh. He has more than 22 years of teaching experience, including an abroad exp. He received his PhD. & M.Tech from JNT University Hyderabad. He has published more than 85 research papers in international Journals and Conferences. He is a member of IEEE, ISTE, IACSIT etc. He is a reviewer for many reputed international journals. His Area of Interest is Power Electronics and Drives, Artificial Intelligence, Renewable Energy Sources, Micro Grids, and BLDC Motor Control with Expert systems. He authored 5 books and 5 patents to his credit. He guided 4 PhD scholars, and 4 are pursuing a PhD under his supervision.



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 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. 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 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, JEEEPS, 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.



Mrs Pushpanjali Shadangi Hota 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 is pursuing her PhD degree in Power electronics controller design from OP Jindal University Raigarh, Chhattisgarh. She has more than 10 years of experience in both teaching and research and published more than 10 research articles in renowned journals book chapters and conferences. Her current research interests includes 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 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 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



Mr 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 submitted his Ph.D. thesis at 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 & 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 (since 3 years), IAENG (since 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 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 Things 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 since then he achieved diploma degrees like PGDCA and Bachelor of Library Science to enhance his skill. His area of interest is application of solar photovoltaic in power generation for small loads.

Staff Members



KP 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 Christian college of engineering and technology, Bhilai from 1999-2008, later he joined as lab staff at OPJU from 2008 to till date. He is expert in handling, maintaining, and troubleshooting electrical machines, electrical drives, high voltage, and power system simulation laboratories.



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 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, Keli, and Proteus, etc.



Jugal Kishor received a diploma in electrical engineering from IBT college, Bhilai in 2017 then he pursued his B.Tech from kirodimal institute of technology, Raigrah in 2022. He is pursuing M.Tech in Power System from Kalinga University, Raipur Chhattisgarh. He has been working as a lab staff in the electrical engineering department at OP Jindal University since 2013. 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.



Pankaj Badek received B.Tech degree in electrical and electronics engineering from O P Jindal University, Raigarh. He working as a lab instructor at O P Jindal university since 2021. He has more than 2 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.



Jitendra Singh He working as a lab attendant at O P Jindal university since 2012. He has more than 11 years.





Congratulations!

Department of Electrical Engineering Placement 2023

 V Ujjwala B.Tech Genpact/ Infosys Consulting/ Avalon/psat	 Shivam Pandey B.Tech IndiaSMART	 Sheetal Kumari B.Tech Genpact/ IndiaSMART/ Myraptain	 Rashmi Kumari B.Tech Genpact	 Abhijit Kumar Singh B.Tech Anirudha Telemetry
 Saurabh Singh B.Tech Flipkart/ Anirudha Telemetry	 Rohini Verma B.Tech Flipkart	 Ritisha Agrawal B.Tech Nike Education/ Myraptain	 Nitish Singh B.Tech Jyoti Steels Industries	
 Himanshu Patel B.Tech Anirudha Telemetry	 Richa Raj B.Tech Jaro Education	 Devendra Sao B.Tech Anirudha Telemetry	 Ashish Singh B.Tech Zensar Group/ Anirudha Telemetry	
 Raj Aryan B.Tech Anirudha Telemetry	 Neha Patel B.Tech Genpact/ Myraptain	 Marsh Pandey B.Tech Anirudha Telemetry	 Avinash Kumar B.Tech Zensar Group/ Anirudha Telemetry	



Our Top Recruiting Companies



and many more...



Editorial Team -

Dr. Sushree Diptimayee Swain
Associate Professor

Members -

Mr. Jugal Kishor
Lab Assistant