



OPJU

UNIVERSITY OF STEEL TECHNOLOGY  
AND MANAGEMENT



# OPJU NEWSLETTER

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## OP Jindal University, Raigarh

July 2023

### (A) Events & Activities

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With the arrival of monsoon, OPJU extended its environment-friendly USR-approach by conducting *Van Mahotsav*.



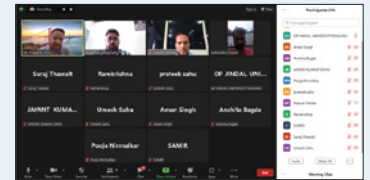
**2** The OBE Rankings 2023 recognizes the efforts continuously undertaken by Institutions for achieving excellence in quality education, and implementation of the latest teaching-learning methodologies, including the outcome-based education models. Recently OPJU has participated in the OBE ranking 2023 and achieved *Gold Band* with A grade among 1000+ institutions.



**3** An online workshop *Qualitative Data Analysis with NVivo* was conducted to promote the research potential, by the Business Analytics Lab of School of Management in association with Academic Staff College and Institution's Innovation Council on 14 July for all faculty members. The topics like creating codes and coding of data through Nvivo, coding to text, pictures and video file, text search and word frequency search and social media content analysis were covered by the expert, **Ms. Smahi Prada Kaushik** from *Numerical Analytics Instruments Pvt. Ltd.* The program was coordinated by **Dr. Himanshu Vaishnav** of SoM.



**4** **Prof. Shashikant Kaushaley** of Electrical Engineering Department convened a 5-days (10 - 14 July 2023) online training program for both the students and faculty-members of OPJU on *Needs of Industrial Application in Electrical Engineering*.



**5** More than 70 graduating students of Kirodimal Govt. Polytechnic, Raigarh along with their faculty members visited OP Jindal University to attend 1-day (18 July 2023) workshop on *Carrer Counselling* conducted by **Ms. Pushpanjali S Hota**, **Dr. Prashant Jena** and **Mr. Kapol** of the Dept. of Electrical Engg., OPJU.



A one-day workshop on *Emotional Intelligence* was conducted on 18 July 2023 by **Mr. Vishnu Tamrakar** of Career Development Cell (CDC) in association with Academic Staff College (ASC) as an USR activity for the non-teaching staffs of OPJU. The program received high appreciation by the participants.



**7** Towards creating a holistic growth by promoting self-defence art of Chhattisgarh people in all age-group, District Taekwondo Association (Raigarh) and OPJU organized a one-week *State Level Championship in Taekwondo*.



**8** Team **VIDYUT (VAYU)** comprising of the Mechanical Engg. students of OPJU participated in the prestigious **SAE-SUPRA Formula Contest** organised during 10 to 13 July 2023 at Buddha International Circuit, Greater Noida. The event gave an exposure of real-life practices. The team demonstrated its exceptional technical and professional skills by passing through a series of challenging round on a platform beyond their classroom.



**9** The Department of Mechanical Engineering in association with the Centre of Excellence in Manufacturing and Automation (CoEMA) at OPJU, organized a Training Program **Codes and Standard in Welding** for the Steel Structural Division of Jindal Steel & Power on 6 & 7 July 2023. The training was related to Basics of welding, WPS and PQR as per AWS D1.1 and IS, EN ISO 1090, EN ISO 3834, ISO 5817, NDT, Grouping of materials, Welding qualifications, coordination, inspection and testing.



**10** 7th semester students, **Mr. Somesh Chandra** of Mechanical Engineering Dept. and **Mr. Sarang Suhas Bakare** of Metallurgical Engineering Dept. participated in **World Robotics Championship 2023** organised by All India Council for Robotics & Automation (AICRA) and the Ministry of Youth Affairs & Sports, GoI at New Delhi. They designed and fabricated a groundbreaking robot that demonstrated their ingenuity and problem-solving abilities.



**11** **Dr. Gopal Krishna Rathore** and **Dr. Puja Kaura** of School of Management, OPJU organized an online workshop on **Angel Investment/ VC Funding Opportunity for Early Stage Entrepreneurs** on 24 July 2023 in association with Institution's Innovation Council. **Dr. (CS) Usha Srivastava** was the speaker of the session who provided a hands-on training in financial research, market analysis and trading strategies.



**12** **Dr. Rekha Sharma** organized a Guest Lecture on **Procure to Pay Process using ERP** on 16 July 2023. The speaker for the session was **Mr. Sambit Ku Barik**, Manager, Purchase, JSP Angul.



**13** School of Management, OPJU established the **Financial Research Training and Trading Lab** with a vision of providing hands-on training in the area of financial research, market analysis and trading strategies.

**14** \* School of Management, OPJU also signed an MoU with **StockGro**, a leading virtual trading platform.

\* School of Management, OPJU signed an MoU with **FPT University, Hanoi, Vietnam**.



**15** CDC, OPJU conducted training programs on:

- \* **Dr. Shesadev Nayak** conducted a Training session for GETs at JPL, Tamnar on *Vision, Mission & Core Values of JPL* on 7 July 2023.
- \*\* **Dr. Shesadev Nayak** conducted a Training session for GETs at JPL, Tamnar on the topics- *The One Thing, Extreme Ownership and Theory of Constraints* on 10 July 2023.
- \*\*\* **Mr. Soumitra Tiwari** conducted a training program for GETs at JSP, Angul on *Campus to Corporate* on 6 & 7 July 2023.



**16** **Prof. Vinod Nagpure** of the Civil Engineering Department of OPJU delivered a guest lecture related to *Civil and Construction* under the series of *Training of Trainer (ToT)* at OP Jindal Community College (OPJCC), Punjipathra during 25 to 28 July 2023.



**17** **Dr. Rekha Sharma** organized workshops on:

- \* *Natural Healing by Meditation* on July 20, 2023. **Ms. Leena Behera** was the speaker of the session.
- \* *From Data to Decisions: The Art of Crafting Research Questions in Business Analytics* on July 30, 2023. **Prof. Pallavi Pandey** of Christ University was the speaker of the session.

School of Management  
OP Jindal University, Raigarh  
Presents

Online Workshop on

**Natural Healing by Meditation**

**Trainer**  
Mrs. Leena Behera

**Coordinator**  
Dr. Rekha Sharma  
Associate Professor,  
School of Management, OPJU

20 July, 2023 | 6:00 pm  
meet.google.com/qxj-hkmp-gih

School of Management  
OP Jindal University, Raigarh  
In Association with  
OP Jindal University Raigarh Alumni Association (OPJURAA)  
Presents

One day workshop on Alumni Guest Lecture series Part 1

"From Data to Decisions: The Art of Crafting Research Questions in Business Analytics"

**Guest Speaker**  
Ms. Pallavi Pandey  
Assistant Professor,  
Christ University, Pune

**Coordinator**  
Dr. Rekha Sharma  
Associate Professor,  
School of Management, OPJU

30 July 2023

**FNMAT**  
Placement Readiness Test  
OPJU in collaboration with Firstnaukari.com  
School of Management  
(2024 Passing Batch)

Test Mode : Online  
Date : 30 July 2023  
Time Duration : 60 Minutes

**Test Content**

- 1) Logical Reasoning
- 2) Data Interpretation
- 3) Verbal Ability
- 4) Quantitative Analysis
- 5) Reading Comprehension

**Registration links**

For PG students / MBA 2nd sem | For UG students / BBA 1 & 2 / B.Com 5th sem

OP Jindal University, Raigarh

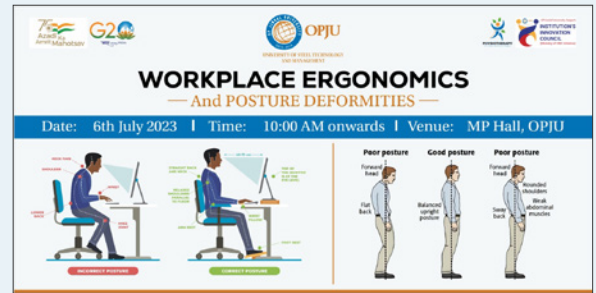
**18** The Career Development Center (CDC), OPJU conducted a benchmarking placement test *FirstNaukari Management Aptitude Test (FNMAT)* on 30 July 2023. in collaboration with Firstnaukari.com. This test is exclusively designed for OPJU Management students in the areas of - 1) Logical Reasoning, 2) Data Interpretation, 3) Verbal Ability, 4) Quantitative Analysis, and 5) Reading Comprehension.

**19** The School of Science, OPJU organized 2 Career Guidance Open Houses at Chandrapur (7 July 2023) and Sarangarh (8 July 2023). The program was coordinated by **Dr. Kavita Patel**, Dept. of Chemistry, SoS.

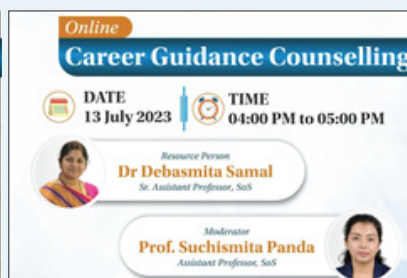
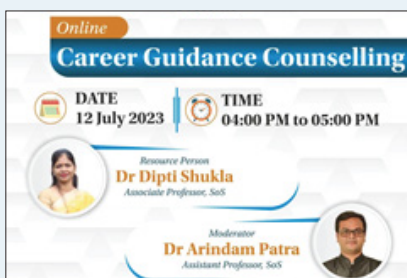




**20** OPJU organized a session on *Workplace Ergonomics & Posture Deformities* for its employees on 15 July 2023 to provide a better work environment. The event guides to an extent of adopting and maintaining the right posture at the workplace. This sets a journey of good to great by harmonizing the physical and mental health of students, teachers and other employees of the university.



**21** OPJU organized two *Online Career Guidance* sessions for 10+2 and UG students on 12 & 13 July, 2023. The resource persons for the sessions were **Dr. Dipti Shukla**, Dept. of Physics, SoS & **Dr. Debasmita Samal**, Dept. of Mathematics, SoS. The sessions were coordinated by **Dr. Arindam Patra** & **Prof. Suchismita Panda** of Department of Humanities, School of Science.



**22** **Prof. Tulika Gupta** of the Civil Engineering Dept. Delivered a guest lecture on *Health and Safety in Civil Construction* under the scheme, Training of Trainers at OPJCC, Punjipathra on 27 July 2023.



OPJU organized the Alumni Meet 2023 on 15 July 2023 to promote a healthy relationship with its alumni who guide their fellow friends and remain in a bond with their faculty. This promotes a *Life-long Learning*.

**24** B.Tech 5th sem Students of Metallurgical Engineering have completed their 1-month Industrial Training in various organizations like JSP Raigarh, NSP, JSP Barbil, Volvo Eicher, Jayaswal Neco, Godavari power & Ispath Ltd.



**25** Dept. of Mechanical Engg. of OPJU conducted *Vritika Research Internship*, a skill development training program related to *Advanced Welding and Inspection Technology* from 3 July to 2 August 2023.











**26** Dept. of Computer Science of OPJU conducted an online session on *Add the Power of Generative AI to Your Career* delivered by **Mr. Trivikrama**, a product of IIT Delhi and an AI Expert on 10 July 2023.

**27** **Dr. Mukesh S Desai** of Mechanical Engg. Dept. of OPJU delivered a talk on *Higher Education - Opportunities & Challenges* at OP Jindal Community College, Angul, Odisha on 30 June 2023.



## (B) Placement

**1** Placement Drives conducted by CDC in the campus of OPJU

 <p><b>BYJU'S</b> The Learning App</p>	<p><b>Company Name:</b> Byju's</p> <hr/> <p><b>Students' Background:</b> UG/PG 2023 Batch</p>		<p><b>Company Name:</b> Scaler</p> <hr/> <p><b>Students' Background:</b> UG/PG 2023 Batch</p>
	<p><b>Company Name:</b> Upgrad</p> <hr/> <p><b>Students' Background:</b> UG/PG 2023 Batch</p>		<p><b>Company Name:</b> Lenskart</p> <hr/> <p><b>Students' Background:</b> UG/PG 2023 Batch</p>
	<p><b>Company Name:</b> Inmovidu Technologies</p> <hr/> <p><b>Students' Background:</b> UG/PG 2023 Batch</p>		<p><b>Company Name:</b> Square yards</p> <hr/> <p><b>Students' Background:</b> UG/PG 2023 Batch</p>
	<p><b>Company Name:</b> MetalMan Group</p> <hr/> <p><b>Students' Background:</b> B.Tech_EE &amp; Mech Batch</p>		<p><b>Company Name:</b> MSP</p> <hr/> <p><b>Students' Background:</b> B.Tech_Mech/Meta/EE_2023</p>
	<p><b>Company Name:</b> DCB Bank</p> <hr/> <p><b>Students' Background:</b> MBA/BBA &amp; B.Com</p>		<p><b>Company Name:</b> Jain Software</p> <hr/> <p><b>Students' Background:</b> B.Tech_CSE 2024 Batch</p>

**2** One student, **Sonali Singh** of B.Tech Comp. Science stream of OPJU got placed in *Airbus Group India Pvt. Ltd.*



**3** One student, **Sangeeta Gupta** of B.Tech Comp. Science stream of OPJU got placed in *HR Global.*



4 One student, **Jayveer Singh** of M.Tech Mechanical stream of OPJU got placed in *Saatvik Green Energy Pvt. Ltd.*



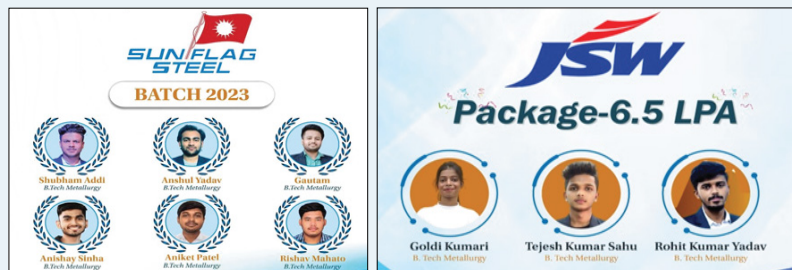
5 One student, **Shashank Mishra** of MBA of OPJU got placed in *Pinclick* at a package of 5.1 LPA.

6 One student, **Monal Singh** of B.Tech Comp. Science stream of OPJU got placed in *Tata Steel*.



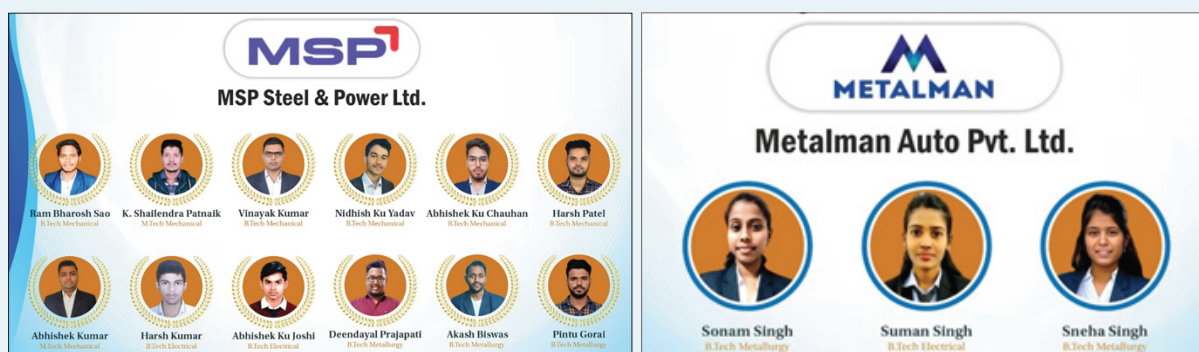
7 One student, **Shraddha K** of B.Tech Metallurgy stream of OPJU got a long-term paid-internship of 22.5 K/pm in *Tekor Minerals Pvt. Ltd.*

8 Three students, **Goldi Kumari, Tejesh Kumar Sahu** and **Rohit Kumar Yadav** of B.Tech Metallurgy stream of OPJU got placed in *JSW* at a package of 6.5 LPA.



9 Six students, **Shubham Addi, Anshul Yadav, Gautam, Anishay Sinha, Aniket Patel** and **Rishav Mahato** of B.Tech Metallurgy stream of OPJU got placed in *Sunflag Steel*.

10 Twelve students, **Ram Bharosh Sao, K. Shailendra Patnaik, Vinayak Kumar, Nidhish Ku Yadav, Abhishek Ku Chauhan, Harsh Patel, Abhishek Kumar, Harsh Kumar, Abhishek Joshi, Deendayal Prajapati, Akash Biswas, Pintu Goral** of B.Tech Electrical, Mechanical and Metallurgy streams of OPJU got placed in *MSP Steel & Power Ltd.*



11 Three students, **Sonam Singh, Suman Singh** and **Sneha Singh** of B.Tech Electrical and Metallurgy streams of OPJU got placed in *Metalman Auto Pvt. Ltd.*

**12** Students of B. Tech 7th Semester, Department of Computer Science Engineering joined the internship program as follows:



**Mr. Pratyush Kumar**  
*BlazeClan Technologies Pvt. Ltd.*



**Mr. Naveen Rathi**  
*CodeSpeedy Technology Pvt. Ltd.*



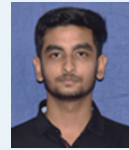
**Ms. Tanuja Nair**  
*EffecMed Pvt. Ltd.*



**Mr. Adarsh Chandel**  
*Hencework*



**Ms. Shruti Singh**  
*VibgyorWeb Technologies Pvt. Ltd.*



**Mr. Faizan Ahmad**  
*Reliance Jio*



**Ms. Surbhi Vandana**  
*Baoiam Innovations Pvt. Ltd.*



**Mr. Animesh Gupta**  
*Centum World*



**Ms. Sheersha Agrawal**  
*Orient Paper Mill*



**Mr. Ayush Mehara**  
*DCX Software Pvt. Ltd.*



**Ms. Kajal Gupta**  
*Stuvalley Technology Pvt. Ltd.*



**Mr. Vaibhav Sharma**  
*MoLog*



**Mr. Anurag Sikdar**  
*Aerospace-Bharat Forge*



**Ms. Sonali Singh**  
*Associate at 8 LPA*  
*Celebal Technologies*

## (C) Research & Publications

**1** Dr. Mukesh Shyamkant Desai, published a Design Patent titled *Water Tank with Refrigeration Unit* with application Number 386188-001.



**2** Akeshwar Singh Yadav, Nitin Kumar, Gaurav Mahendru, Guru Prakash, S. K Nath, published a research paper titled *Erosive Wear of Low Temperature Nitrided 13/4 MSS for Hydro-turbine Application*, Conference Proceeding: Springer nature Singapore.



**3** Dr. R D Patidar and Dr. Sandeep Biswal, published an article *A Robust Single Ended Disturbance Detection Scheme for Superconducting Fault Current Limiter Integrated UPFC Compensated Line in Electric Power System Research*, SCI-Journal with Elsevier impact factor of 3.818.





- 4 **Kar, S., Prasad, E. V., Zade, N. P., Sihag, P., & Biswal, K. C. (2023)** published a research paper titled *Estimation of Shear Resistance offered by EB-FRP U-Jackets: An approach based on Fuzzy-inference System*, Volume 32, Number 1, July 2023 , pages 027-44.
- 5 **Dr. R. S. Singh** published as research paper titled *Modeling and Simulation of Thin Film InP/GaAs Dual Junction Solar Cells* in *Iranian Journal of Chemistry & Chemical Engineering*, an
- 6 **Dr. R. S. Singh and Dr. R. D. Patidar** published a research paper titled *Simple Thermal Annealing Assisted Direct Synthesis and Optical Property Study of CuO Nanoparticles Incorporated PVA Films* in *Physica Status Solidi(a)*, an SCI-Journal, Wiley Publication.
- 7 **Dr. Girish C. Mishra** published a paper titled *Lyoluminescence study of  $\gamma$ -ray irradiated Cu doped YCa<sub>4</sub>O(BO<sub>3</sub>)<sub>3</sub> microcrystalline phosphors for Radiation Dosimetry applications* in Scopus indexed journal: *European Chemical Bulletin*.
- 8 **Mr. Manoj Ku Mishra** published a paper titled *Environmental Values Mediate the Relationships between the selected Factors and the Green Entrepreneurial Switching Intentions* in *IJWI*, a SCOPUS-indexed journal.
- 9 **B. Kumar, Saumya Singh, R. Grover, K.R. Isabels, A. Garg and B.C. Dattatraya**, published a paper *Analysis of Mathematical Modelling Deterministic & Stochastic Problems in Federated Learning*, in 3rd International Conference on Advance Computing and Innovative Technologies in Engineering (ICACITE), IEEE, 2023, pp. 1700-1704.
- 10 **Dr. S. K. Singh** published a Text Book titled *Business Communication & Correspondence*, Alpha International Publication (ISBN No.: 978-93-5762-134-2).
- 11 **Dr. Guru Prakash** published a research article *Erosive Wear of Low Temperature Nitrided 13/4 MSS for Hydro-turbine Application* in proceedings of the 3rd International Conference on *Advances in Materials Processing: Challenges and Opportunities*, published by Springer-Nature
- 12 **Dr. Prasenjit Biswas** published a research article *Effect of Electromagnetic Flow Direction on Grain Refinement of Al<sub>2</sub>O<sub>3</sub> Alloy* in *Advances in Grain Refinement during Solidification*, JOM.



## (D) Achievements

- 1 **Ms. Pushpanjali Shadangi** attended 5-days STTP & workshop on *Sustainable Technologies & Energy Management of Hybrid Microgrid (STEMM-2023)* on 12 to 16 July 2023 organized by IEEE Rourkela section.
- 2 **Ms. Pushpanjali Shadangi** attended 1-day FDP on *Power System Design and Simulation using DIGSIELNT PowerFactory Software* on 17 July by SimulationTech.



**3 Ms. Pushpanjali Shadangi** attended 1-day FDP on *Automation System Design & Simulation using Automation Studio Software* organized on 7 July by SimulationTech.

**4 Ms. Pushpanjali Shadangi** delivered a keynote speech for a 5-days online training program on *Needs of Industrial Application in Electrical Engineering* on 14 July 2023.



**5 Dr. Sushree Diptimayee Swain** was invited as a member of the Technical Committee for the 2nd Edition of the International Conference on Intelligent Controller and Computing for Smart Power (ICICCSP 2024), Srinidhi Institute of Technology, Hyderabad, India

**6 Dr. Sushree Diptimayee Swain** was the a keynote speaker of a 5-days online training program on *Needs of Industrial Application in Electrical Engineering*.

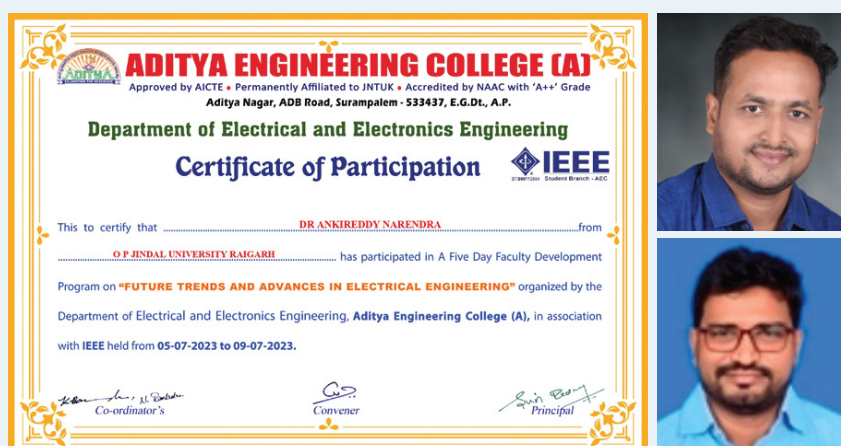


**7 Prof. Pradeep Kumar Shriwas** successfully participated in a 5-days online Short Term Training Program (STTP) on *Blockchain Technology & Its Emerging Applications* during 4 to 8 July 2023, jointly organized by Chhotubhai Gopalbhai Patel Institute of Technology (CGPIT) & Central Institute of Technology Kokrajhar (CITK), Assam.



**8 Prof. Uma Shankar Pandey** for Successfully Completing a 1-Day *AI Tools Workshop* conducted on 9 July, 2023 Organized by Indian Institute of Technology Kharagpur.

**9 Dr. Prasanta Kumar Jena**, delivered a talk on *Cyber Security* under a 5-days online training program on *Needs of Industrial Application in Electrical Engineering* held on 13 July, 2023.



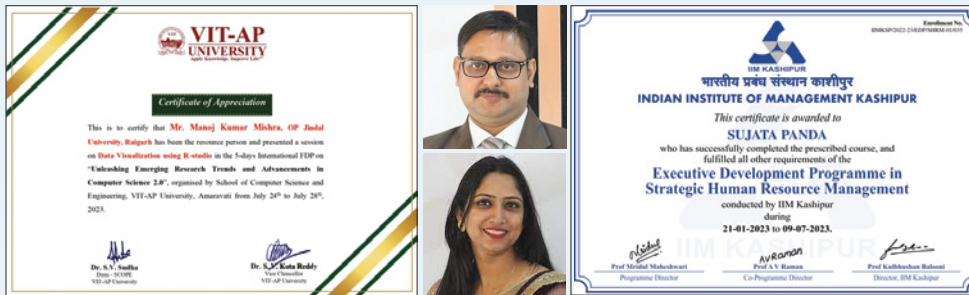
**10 Dr. Ankireddy Narendra** attended an IEEE sponsored 5-days FDP on *Future Trends and Advances in Electrical Engineering*, organized by Aditya Engineering College held from 5 - 9 July, 2023.

**11 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 - 28 July 2023.

**12 Dr. Ankireddy Narendra** delivered a talk on *Renewable Energy Sources and Opportunities* under a five day online training program on *Needs of Industrial Application in Electrical Engineering* held on 10 July 2023.

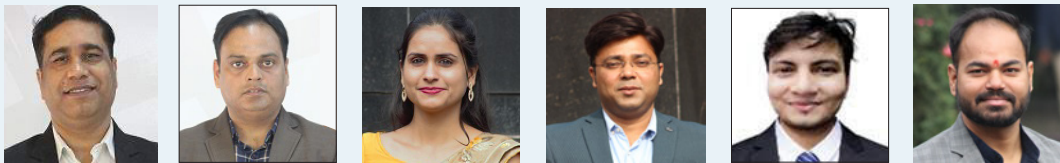


**13** Mr. Manoj Ku Mishra was the speaker for 5 days International FDP on *Unleashing Emerging Trends and Advancement in Computer Science 2.0* from 24 to 28 July 2023, Organized by School of Comp. Sc. & Engg. (SCOPE), VIT-AP University.



**14** Ms. Sujata Panda, Assistant Professor has completed Executive Development Programme in Strategic *Human Resource Management* from IIM Kashipur.

**15** Prof. Bhupendra Tripathi, Prof. Namrata Ojha, Dr. Himanshu Vaishnav, Dr. Ajay Kumar and Dr. Vikash Kumar have attended Online Faculty Development Program on *Contemporary Trends of Research Prospective and Advance Pedagogy* Organized by The ICFAI University, Raipur from July 10 to 15, 2023.



**16** Dr. Saket Jeswani was invited as Plenary Speaker in 2nd Regional Student Research Congress and Regional Conference on Recent Issues and Trends in Business, Accounting, Management, and Economics this July 21, 2023, on the theme *Advocating Data-Driven R&D in Sustaining Economic Recovery*, organized by University of Mindanao, Philippines.

**17** Dr. Saket Jeswani was invited as Resource Speaker for 7 days Research Methodology Workshop from 26 June to 3 July organized by Reva University, Bangalore.

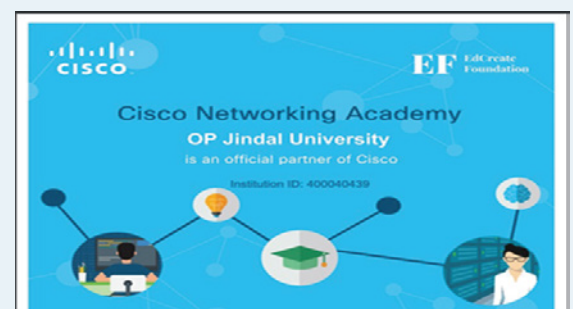


**18** Dr. Gopal Krishna Rathore has attended Online Workshop on *Financial Modeling and Analysis* from July 17 to 21, 2023, organized by Meerashpa Learning solution.

**19** Dr M Kalyan Phani, Associate Professor in the department of Metallurgical Engineering has been nominated and selected as Editorial Board Member of VectMag Virtual Conferences.



**20** In collaboration with the Department of Computer Science & Engineering, OP Jindal University, Raigarh, has started operating as an official partner with Cisco Networking Academy under institution ID 400040439.



**21** **Dr. G. C. Mishra and Dr. S. K. Singh** of School of Science, OPJU were appointed as the member of the Selection Committee as subject experts for the recruitment of Assistant Professors at Gondwana University, Maharashtra.



**22** **Dr. Sanjay Kumar Singh**, Professor, Department of Humanities, School of Science delivered 3 sessions as resource person in ten days training programme on *Communication Skills & Personality Development* during 10-21 July 2023 at KNK, College of Horticulture, Mandsaur (MP).



**23** **Dr. Abhilasha Chaudhuri**, delivered an expert talk at CSIT of SOA University, Bhubaneswar on the topic *Introduction to ML and its potential applications in the real world*.



**24** **Dr. Abhilasha Chaudhuri** presented a paper titled *An Effective Feature Selection Technique for detecting Parkinson's Disease using Binary Whale Optimization Algorithm in the Scopus indexed conference 2023 IEEE World Conference on Applied Intelligence and Computing (AIC 2023)*.

**25** **Mr. Manish Gupta**, (B. Tech 7th Semester, Department of Computer Science Engineering) successfully achieved student level credential for completing the Introduction to Cybersecurity course.



**26** **Ms. Shruti Ghosh**, (B. Tech 7th Semester, Department of Computer Science Engineering) successfully completed a free online course *Java Programming* from Great Learning Academy.

**27** **Ms. Navya Tiwari and Ms. Shruti Ghosh** (B. Tech 7th Semester, Department of Computer Science Engineering) for successfully completed the hands-on project in the workshop *AI for Students: Build Your Own Generative AI Model* conducted by AI expert and IIT Delhi alumnus, **Mr. Trivikrama**, to equip the students in the AI era.



**28** **Mr. Shikhar pandey**, 5th semester student of Department of Mechanical Engineering successfully coordinated the workshop on *AI for students: Build Your own Generative AI Model* at OPJU in association with NxtWave.

## New Additions to OPJU-Talent Pool



**Dr. Ashish K. Sharma**  
Professor, Dept. of CSE  
B.E., M.E., Ph.D.  
27 Years of Work Experience



**Dr. Narendra Kumar Dewangan**  
Assistant Professor, Dept. of CSE  
B.E., M.Tech., Ph.D.



## Editorial Team

### Chief Editor

#### **Dr. Biranchi Prasad Panda**

*Professor, School of Management,  
OP Jindal University, Raigarh*

### Designer

#### **Mr. Praveen Dewangan**

*Assistant Manager, Marketing and Outreach Dept,  
OP Jindal University, Raigarh*

### Members

#### **Dr. Vatsala Chaturvedi**

*Assistant Professor (Sr. Grade), Dept of Metallurgical Engg.,  
OP Jindal University, Raigarh*

#### **Dr. Abhilasha Chaudhuri**

*Assistant Professor, Dept of CSE,  
OP Jindal University, Raigarh*

#### **Dr. Sukanta Sahoo**

*Associate Professor, School of Management,  
OP Jindal University, Raigarh*

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