



OPJU

UNIVERSITY OF STEEL TECHNOLOGY
AND MANAGEMENT

OPJU NEWSLETTER

OP Jindal University, Raigarh



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(A) Events and Activities

1 OPJU Parents' Summit- 2k24 (OPS-24)

OP Jindal University (OPJU) does the institution building by regularly interacting with all its stakeholders through the events like the annual celebration of *OPJU Parents' Summit - 202k (OPS-24)* on 26 April 2024. The all-round efforts of the OPJU authority, its amenity and hospitality, even in the summer, could attract a large number of parents to assemble in the campus like the previous years.

School of Engineering, School of Management and School of Science welcomed the parents of their students reading in programs of B Tech/M Tech (Mechanical, Computer Science, Electrical, Civil, Metallurgy), BBA/MBA (Marketing, HR, Finance, Operations, Analytics), B Com, BSc/MSc (Physics, Chemistry, Mathematics, Biotech, Data Sc.). Parents were given with a kit of information about the performance, progress, and the recent developments of various students, faculty and departments of the university. Also, they were made aware of the students' performance in curricular, co-curricular and extra-curricular activities.



2 The Civil Engg. Dept. of SoE in association with the Centre for Industry Academia Collaboration (CIAC) organized a 5-days online Faculty FDP on *Sustainable Advances in Civil Engineering: Exploring Innovative and Contemporary Research Areas* during 1-5 April 2024. The event was coordinated by **Dr. Swapnasarit Kar** and **Dr. Anurag Sharma**.



3 OP Jindal University signed an MoU with *National Institute of Technology (NIT), Jamshedpur* on 24 April 2024 to engage in different key areas of collaboration in research, technical education and training for the Stakeholders of both institutions. The collaboration will help in implementing joint project, educating the students with new courses, joint conferences, FDP and other agendas.



4 MoU with **Greenvio Solutions** to adopt sustainability practices at OPJU and make a clean and green campus. Successful conduction of today's seminar on *Sustainable Technologies: Ecopreneurship* by **Ar. Nahida Abdullah**.



5 The Adventure Club (Parakram) of SoS organized an activity Dare and Fun to enable the students to take greater challenges socially and academically on 5 April 2024. The session was conducted by the students and faculty coordinators.



6 OP Jindal University Raigarh Alumni Association (OPJURAA) conducted an Alumni Meet in Bangalore yesterday! It was a heartwarming reunion brimming with nostalgia, laughter, and cherished memories. The resounding positivity echoed in the feedback from our esteemed students, who expressed immense joy and gratitude for the opportunity to reconnect with old friends and faculty members.



7 CCET conducted eight training programs for the employees of DB Power, JSP Angul, and JSP Raigarh, with the following details. The training received appreciation from both the employees and the employers.

Sl. No	Name of Industry	Topic	Days	Name of Faculty	Training Date
1	DB Power	Basic & Advanced Excel	2	Umashankar Pandey	24-25 April 2024
2	JSP Angul	Advanced Excel	2	Vishnu Tamrakar	9 April 2024
	JSP Angul	Code of conduct and Business Etiquette	2	Dr Arindam Patra	8 April 2024
4	JSP Raigarh	Interpersonal Skills	2	Dr Himanshu Vaishnav	Apr 4, 2024
5	JSP Raigarh	Team Building	2	Dr Jaiprakash Rath	Apr 3, 2024
6	JSP Raigarh	JSP Code of Conduct/ Vision & Core Value, POSH	2	Dr Seshadev Nayak	Apr 2, 2024
7	JSP Raigarh	Campus to Corporate	2	Dr Seshadev Nayak	Apr 1, 2024
8	JSP Angul	Power BI	2	Manoj Mishra	Apr 1, 2024



8 The CSE Dept. of SoE conducted 5-Days INTEL®-FICE Workshops under the Intel Integrated B. Tech Program, duly coordinated by **Prof. Ashim Kiran Dandpat**, **Prof. Pradeep Kumar Shriwas** and **Prof. Narendra Dewangan** as specified below -

- *Android APP Development: From Idea to Play Store* during 15 -19 April 2024
- *High-Performance Computing and Deep Learning* during 22 - 26 April 2024
- *Applied Edge Computing and Internet of Things* during 29 April - 3 May 2024



9 School of Management in association with the Institution's Innovation Council (IIC) organized a workshop, *Business Model Canvas* on 24 April 2024. The session was taken by **Prof. Manoj Mishra** and coordinated by **Dr. Gopal Krishna Rathore** and **Dr. Rahul Sharma**.

10 School of Management organized an Alumni Guest Lecture, *B2B Sales Strategy*, by **Mr. Rupesh Mishra** (Senior Marketing Manager, Hindustan Group of Co., Kolkata) on 14 April 2024. The session was coordinated by **Dr. Rekha Sharma**.



11 NSS and Center for Social Empowerment, OPJU in association with JSP Foundation conducted the following activities under the supervision of **Dr. Sanjay Singh** -

- The faculty members **Prof. Manoj Mishra**, **Dr. Girish C Mishra** and **Prof. Manas Ranjan Mishra** visited Netraheen Bal Vidya Mandir, Amlidih under the *Health and Nutrition* Program and interacted with the students and teachers and donated Grocery items on 4 April 2024.
- A *Systematic Voters' Education and Electoral Participation (SVEEP)* programme was organized by :
 - Dept. of CSE, SoE and School of Science to for spreading voter awareness and promoting voter literacy among the youth of OPJU. **Prof. Princy Diwan** along with student Volunteers took part in the activity on 16 April 2024.
 - Dept. of Civil Engineering **Dr. Swapnasarit Kar**, **Mr. Bhakta Sethi** and **Mr. Pranab Behra** along with student colunteers on 18 April 2024.
- Workshop on *Women's Health & Hygeine* for the women of adopted villages 16 April 2024. **Dr. Saumya Singh** conducted and **Ms. Kiran Rathore**, **Ms. Anjali Patel**, **Ms. Anjali Gupta**, **Dr. Surendra Dwivedi**, **Mr. Anil Shukla** and **Mr. Pratap** assisted in distributing Sanitary napkins to all the participants.
- Workshop on *Women's Health & Hygeine* for the women of adopted villages 16 April 2024. **Dr. Saumya Singh** conducted and **Ms. Kiran Rathore**, **Ms. Anjali Patel**, **Ms. Anjali Gupta**, **Dr. Surendra Dwivedi**, **Mr. Anil Shukla** and **Mr. Pratap** assisted in distributing Sanitary napkins to all the participants.
- Share-a-Smile Programme at Netraheen Bal Vidya Mandir, Amlidih was organized in association with School of Management. **Dr. Himanshu Vaishnaw**, **Dr J. P. Rath**, **Prof. Manoj Mishra**, **Dr. Surendra Dwivedi**, **Mr. Sunil Mishra** along with some student volunteers organized interactive games for kids and donated Two Ceiling Fans, Water Camper, 50 Drawing sheets, Sweets and fruits.
- *E-waste Collection and Clean Campus Drive* was organised in association with Dept. of Mechanical Engg. The volunteers collected the e-waste and prepared the list to hand over to the e-waste collection agency under the guidance of **Dr S. Chakrabarty**, **Dr Jitesh Singh** and **Dr Dharmendra Saini**.



- 12 The Electrical Engg. Dept. of SoE conducted an exclusive webinar on *GATE preparation* on 24 April 2024. The session was conducted by **Mr. Rounak Agrawal** (AIR 3423) and coordinated by **Prof. Pushpanjali Shadangi** for more than 50 students from different branches of B.Tech programs.



- 13 The Electrical Engg. Dept. of SoE conducted a webinar Awareness Program on Environmental Risk Posed By E-Wastes on 30 April 2024. **Mr. Omkar Ganu** and **Ms. Yukti**, the Senior Analysts, Karo Sambhav conducted the session. They emphasized on the impact on environment. The event was coordinated by **Prof. Pushpanjali Shadangi** for nearly fifty students of various B. Tech programs.

- 14 The Mechanical Engg. Dept. of SoE, organized mock online interview sessions for the 8th Sem. students on 27-28 April 2024 by **Dr. Umesh Vishwakarma**, **Dr. Ravindra Singh Saluja**, **Dr. Jitesh Singh**, **Mr. Soumitra Tiwari**. The sessions included both HR and Technical rounds to prepare the students for campus recruitment interviews. **Dr. Mukesh Desai** coordinated the sessions.



- 15 **Mr P. K. Biju Nair**, ED of JSP, Raigarh visited the Metallurgical Engg. Dept. of SoE on 5 April 2024. He interacted with the faculty, discussed about the theory and practical curriculum.

- 16 Dept. of Mechanical Engineering, SoE, in association with the SAE India Collegiate Club at OPJU, organized an expert talk on *Charting Your Paths to Diverse Opportunities through GATE* on 20 April 2024. The expert speaker was **Ms. Prabhjot Kaur**, a Scientific Officer at BARC. She highlighted her preparation tips, strategies, and motivated the students for GATE.



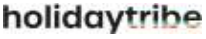
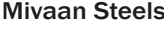












- 17 **Mr. Ayush Joshi** and his team, with their project titled *Fuel Flow Meter* secured a grant of Rs. 3 lakhs after completing Four rounds of evaluation at the Yukt Innovation Challenge 2023 (Under MoE's Innovation Cell).

Notably, out of the three teams selected from Chhattisgarh for funding, two are registered with IIC-OPJU. The grant amount will be received and managed through OPJU/OPJU Innovation Center to facilitate prototype patenting and company registration.

(B) Placement

1 Placement Drives conducted at OPJU

	Company Name: Jindal Power Ltd. Students' Background: MBA 2024 Batch		Company Name: Taxmann Students' Background: MBA 2024 Batch
	Company Name: Holiday Tribe Students' Background: MBA 2024 batch		Company Name: Mivaan Steels Students' Background: B.Tech (Mech) 2024 Batch
	Company Name: KRYFS Power Students' Background: B.Tech (EE) 2024 Batch		Company Name: Hariom Pipe Industries Students' Background: B.Tech (EE/Mech/Meta) 2024 Batch
	Company Name: Aditya Birla Group Students' Background: BBA/B.Com/B.Sc 2024 batch		Company Name: Code Nicely Students' Background: B.Tech/M.Tech 2024 & 2025 Batch
	Company Name: Airtel Students' Background: BBA/B.Com/B.Sc 2024 batch		Company Name: Codeyoung Students' Background: UG/PG 2024 Batch
	Company Name: Fine Finish Organics Students' Background: B.Tech (EE) 2024 Batch		Company Name: Bosch Students' Background: B.Tech (Mech) 2024 Batch
	Company Name: Shri Bajrang Group Students' Background: BBA/MBA/B..Com 2024 Batch		Company Name: Steel Infra Solutions Students' Background: B.Tech/M.Tech 2024 Batch

2 Students selected through campus Drives



For Selection @
IndusInd Bank



For Selection @
Firstsource Solutions Ltd.



Batch 2024 for selection @
TAXMANN

Preeti Sidar
MBA



CONGRATULATIONS!
Batch- 2024
For Selection @
BAYONE

Ankit Prasad
B.Tech - Computer Science Engineering



CONGRATULATIONS!
Batch 2024 for selection @

Shree Bajrang Group of Companies

Sachin Dev Mishra
BBA

Aditya Saha
BBA



CONGRATULATIONS!
Batch 2024 for selection @

ADITYA BIRLA GROUP
Management Trainee HR

Anoushka Sharma
MBA



CONGRATULATIONS!
Batch 2024 for selection @

Codeyoung

7.4 LPA

Gaurav Dewangan
B.Com



3 CDC conducted campus drive preparatory sessions for both UG and PG Students for identified perspective recruiters ::

- Dmart: 1 April 2024 for MBA 2024 batch students by **Mr. Vishnu Tamrakar**.
- HDFC Bank: Campus Drive preparatory session has been conducted for MBA 2024 batch students on 5, 8 and 10 April 2024 by **Dr. Shesadev Nayak** and **Mr. Rajneesh Tiwari**.
- Codeyoung: 12 April 2024 for UG/PG 2024 batch students by **Mr. Rajneesh Tiwari**.
- Hawkins preparatory session has been conducted on 15th April 2024 for MBA 2024 batch student by **Mr. Rajneesh Tiwari**.
- Bosch 19 April 2024: In association with Dept. of Mechanical Engg. and CDC for B.Tech Mechanical 2024 batch students.
- Firstsource Solutions on 22 April 2024 for BBA 2024 batch students by **Mr. Rajneesh Tiwari**.
- Shree Bajrang Group 23 April 2024 by **Mr. Rajneesh Tiwari**.
- SISCOL 27 April 2024 - In association with the department of Mechanical Engg. and **Mr. Soumitra Tiwari**.

(C) Research & Publication

1 **Prof. Umashankar Pandey** of CSE Dept., SoE got a Certificate of Registration for the patent, *Smart Underwater Drone*, published in Intellectual Property India with Design No. 381482-001.



2 **Prof. Asimkiran Dandapat** of CSE Dept., SoE published a research paper, *Design of Intrusion Detection System Using GA and CNN for MQTT-Based IoT Networks* in Springer Journal Wireless Personal Communications.



3 **Dr. Amit Jain** of CSE Dept., SoE published a book chapter, *Enhancing Electric Vehicle Charging Efficiency in Urban Areas with 5G Network Integration and Network Attack Mitigation* in CRC Taylor & Francis Book, Networks Attack Detection on 5G Networks using Data Mining Techniques. doi.org/10.1201/9781003470281



4 **Dr. Rajesh Jha** of MME Dept. of SoE, published a research paper *Investigation of Effect of Post-weld Heat Treatment on Micro-hardness and micro-structure of Auto TIG-Welded Stabilized SA213 TP347H Weldments* in the Welding International Journal. doi.org/10.1080/09507116.2024.2342340



5 **Dr. Saurabh Gupta** of SoM published a research paper, *Triggering Place Brand Loyalty: the nexus between place brand credibility, fascination and attachment in the Current Issues in Tourism* (ABDC-A, Q1, IF: 8, SCOPUS, Social Sciences Citation Index, Web of Science, Taylor & Francis). www.tandfonline.com/doi/full/10.1080/13683500.2024.2339963?scroll=top&needAccess=true



6 **Prof. Manoj Kumar Mishra** of SoM published a research paper *User Preferences for AI-based Healthcare Apps: An Association Mining Analysis* in the SN Computer Science SCOPUS (Q1). link.springer.com/article/10.1007/s42979-024-02739-y



7 **Prof. Manoj Kumar Mishra** of SoM published research papers -

- *User Preferences for AI-based Healthcare Apps: An Association Mining Analysis* in the SN Computer Science SCOPUS (Q1). link.springer.com/article/10.1007/s42979-024-02739-y
- *Catalysing Green Entrepreneurial Behavior: the role of intentions and selective factors* in Cogent Business and Management published by Taylor & Francis Scopus (Q2) journal. tandfonline.com/doi/full/10.1080/23311975.2024.2337959

- 8 **Prof. Shradha Gupta** of SoM published a patent, *Integrated Humanistic Management Framework: A system for humanity organisational values & human capital*. (Application-202421018007)
Patent Application Status Link: iprsearch.ipindia.gov.in/PublicSearch/PublicationSearch/ApplicationStatus
- 9 **Dr. Mithilesh Sahu** of Mechanical Engg. Dept., SoS published a Bookchapter, *Improvement of Aerodynamic Performance of Aerofoil Design by Using Shark Skin Inspired Denticles* in the book of Recent Advances in Mechanical Engineering, pp. 623-636, Springer Nature Singapore.
- 10 **Dr. Saroj Kumar** of Mechanical Engg. Dept., SoE, got an industrial design patent, *Robotic Arm* published by the Indian Patent Office (Application No. 406765-001)
- 11 **Prof. Biranchi Prasad Panda**, of SoM and **Dr. Mukesh Shamkant Desai** of Mechanical Engg. Dept., SoE jointly filed a patent through the Indian Patent Office related to the *Design of 360* Trolley, an equipment for logistics operations* (Application No.- 415258-001)
- 12 **Dr. Siddharth Chakrabarti**, Dean-SoE, got an industrial design published through the Indian Patent Office with the Application No. 380834-001..
- 13 **Dr. M. Kalyan Phani** jointly filed a Design Patent Cleaning Device for Goose Neck Container; Patent Design No: 408924-001.
- 14 **Dr. R. S. Singh** of School of Science published research papers -
 - *Acetone Gas Sensing with Pt-Doped SiC Nanotubes for Diabetes Detection at Room Temperature in Silicon* (SCI-indexed).
 - *Aggregation Induced Strong Photoluminescence at Room Temperature in Large-Area C8BTBT Thin Films in Synthetic Metals* (SCI-indexed).



(D) Achievements

- 1 **Prof. Anurag Vijayvargiya**, Registrar at OPJU, is conferred with the Ph.D. Award.
- 2 **Dr. Ashish K Sharma** of CSE Dept., SoE, delivered an expert session on *Data Science Challenges, Applications and Future Scope* at the Govt. Polytechnic, Gondia on 1 April 2024.
- 3 **Dr. Rakesh Nayak** of CSE Dept., SoE, was offered the role of a Reviewer in the *5th EAI International Conference on Cognitive Computing and Cyber-Physical Systems (ICAS 2024)* and certified by Springer Publication, hosted by Vishnu Institute of Technology, Andhra Pradesh (India).
- 4 **Mr. Rajesh Tanti**, participated in the workshop of 4th One-Week International Workshop on *Technical Writing using LaTeX (Online)* during 10 Mar to 5 April 2024, organized by the School of Electronics Engineering (SENSE) and Technically Co-Sponsor by VIT-AP UEEE SB and MTT SBC, at VIT-AP.
- 5 **Prof. Rupesh Patel** of Electrical Engg. Dept., SoE participated an FDP on *Sustainable Advances in Civil Engineering: Exploring Innovative and Contemporary Research Areas* organized by Civil Engg. Dept. of OPJU during 1 - 5 April 2024.



6 Dr. Ravindra Singh Saluja of Mechanical Engg. Dept., SoE successfully completed an online course *Optimization with Python: Solve Operation Research Problem* on Udemy platform.



7 Dr. Subhasri Kumari of SoS was recognized as a Reviewer in the Journal of Experimental Agriculture International, ISSN - 2457-059.

8 Dr. Dipti Shukla of Physics Dept., SoS is recognized as an *Academic Editor* in the Asian Journal of Research and Review in Physics.



9 Dr. Himanshu Vaishnav and Ms. Namrata Ojha attended an FDP on Research Skills Enriched with Technology during 8 - 14 April 2024 organized by Vivekananda Institute of Management Studies,

10 Dr. Deepti Sharma of SoM served as a reviewer in the *International Conference on Industry 5.0: Innovation and Adoption for Sustainability (ICIAS-2024)* during 4-5 April 2024, organized by Uttaranchal Institute of Management, Uttaranchal University, Dehradun.

She also participated an online training session on *NEP 2020 Orientation & Sensitization Programme* under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC), during 1-10 April 2024, organized by the Teaching Learning Centre, IIT-BHU, Varanasi.



11 Dr. Anurag Sharma of Civil Engg. Dept., SoE delivered an online talk on *Introduction of Time-History Analysis and Response Spectra* on 10 April 2024 at Shri Ramdeobaba College of Engineering and Management, Nagpur.

12 Dr. Ashish K Sharma has delivered a Guest Lecture on *MongoDB - Overview, Concepts, and Query Operations* on 4 March 2024 in online Mode at Panipat Institute of Engineering & Technology (PIET), Panipat Haryana.

13 Tignanshu Mishra got selected for admission into Post postgraduate at Indraprastha Institute of Information Technology, Delhi and works under Prof. Anubha Gupta as a Project Fellow.



14 Shruti Kumari, a student of BSc-IV, Biotechnology pitched with her prototype (BHALAX) at Pitch Expo 2024 organized by Capital Wings Raipur on 7 April 2024.

New Addition to OPJU-Talent Pool



Mr. Jhasaketan Pradhan

*Estate Manager in the Administration Department
32 Years of work experience*

(E) Emerging Techniques and Technologies

Financial Innovation And Inclusive Growth: Examining Fintech's Role in Emerging Markets

(Source: Dr. Rekha Sharma; Issued By: The Patent Office, GoI;

Source: iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus)

This article aims to show the Financial Innovation and Inclusive Growth and Examining Fin tech's Role in Emerging Markets.

Financial innovation and inclusive growth are integral components of economic development, especially in emerging markets. The advent of Financial Technology (Fin tech) has played a crucial role in reshaping traditional financial systems, providing new avenues for access to financial services, and fostering inclusive economic growth. Fin tech refers to the use of technology to deliver financial services in innovative and efficient manner. In emerging markets, where traditional banking infrastructure may be limited, Fin tech has emerged as a powerful catalyst for financial inclusion. It addresses the challenges of reaching under-served populations using digital platforms, mobile technologies, and data analytics.

Fin tech solutions enable individuals and business houses to access financial services like banking, payments, loans, and insurance without physical presence. This widens the reach of financial institutions, particularly in remote or rural areas. Fin tech solutions streamline financial processes, reducing operational costs for both financial institutions and consumers. This efficiency allows for the provision of services at low cost, widely accessible to a broader segment of the population. Fin tech relies on data analytics and artificial intelligence to assess creditworthiness, detect fraud, and personalize financial products. This data-driven approach reduces the risk, leading to a highly informed decision and expanded opportunities for individuals and business houses. Fin tech has revolutionized the way transactions occur, promoting digital payments and reducing reliance on cash. This leads to a positive implication of financial inclusion due to wider access to financial systems through mobile wallets and digital payment platforms. Fin tech encourages entrepreneurship and innovation in emerging markets. Start-ups and established financial institutions are exploring new business models and technologies to meet the diverse financial needs. While Fin tech holds great promise, regulatory frameworks need to support its growth. Striking a balance between fostering innovations and protecting consumers by providing a financial stability as a challenge for policymakers.

The article claims:

1. Fin tech offers significant growth opportunities in emerging markets.
2. Mobile payments, block chain technology, and artificial intelligence have the potential to make financial services more affordable and accessible to under-served populations.
3. Fin tech lowers the cost of providing financial services with digital accounts at as little as \$10 per annum per customer, 90% less compared to the conventional bank accounts.
4. Financial inclusion contributes to economic growth by stimulating entrepreneurship, increasing the savings, and expanding the investment opportunities.
5. Innovative financial business processes yield better services and boost the effectiveness.
6. The claim includes new company procedures that boost productivity and open up new markets, among others. The simplest example is the online banking facility.
7. Fin Tech innovations are revolutionary in the industry that yields significant benefits to all.



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