

# **OPJU NEWSLETTER**

OP Jindal University, Raigarh



June 2024 • Volume-4 • Issue-6





### (A) Events and Activities

CSE Dept. successfully conducted the **OPJU International Technology Conference (OTCON 3.0) on Smart Computing for Innovation and Advancement in Industry 4.0** during 5-7 June 2024. It was a premier conference of Central India that provided a platform for researchers, academicians, working professionals, students and government officials to interact innovatively on the advancements in smart computing for Industry 4.0, especially in high-performance computing, security, IoT and sensor devices, data sciences, communication and network, signal processing etc. The conference witnessed multiple keynote sessions from industry and academia over the world. The participants enjoyed scholarly presentations of the accepted peer-reviewed articles. The post-conference proceeding of OTCON 3.0 is submitted to IEEE Xplore.

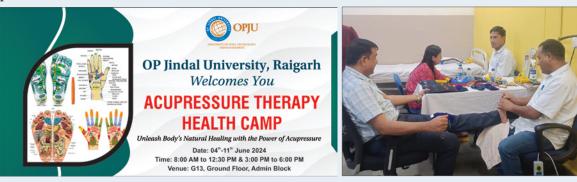




2 School of Management organized a session on *Choosing a Career as Company Secretary* on 28 May 2024. It was an additional effort of the university to encourage students to open valuable career guidance for professional development. **CS Tanveer Kaur Tuteja**, Chairman, Raipur Chapter of the Institute of Company Secretaries of India (ICSI) featured as the speaker of the session.



3 OPJU conducted an *Acupressure Health Camp* for all the faculty and staff members from 4 - 11 June 2024. This event aimed to promote wellness and provide therapeutic benefits through acupressure, a traditional Chinese medicine technique that involves applying pressure to specific points on the body to relieve pain and improve overall health.





4 Universal Human Values Cell (UHVC), Academic Staff College (ASC) and Instituion's Innovation Council (IIC) jointly organized a 5-Days FDP on *Universal Human Values and Well-being* from 24 to 28 June 2024.

### Day 1

Mr. Sumathi Jayaraman, Exe. Director, Sri Sri Institute for Advanced Research, Bengaluru Dr. Arihant Bhandari, University of Southampton, England

#### Day 2

**Dr. Arjak Bhattacharjee**, Asst. Professor, New Mexico Institute of Mining and Technology, USA **Swami Divyagunananda**, Professor (Monastic Honorary), Ramkishna Mission **Mr. Saurabh Bothra**, Founder and CEO, Habuild, TEDx Speaker

#### Day 3

Mr. Ankur Pathak, Author, Entrepreneur and Founder, Garuda Publications, Delhi Swami Vedatitananda ji, Ramakrishna Mission Shilpamandira, Belur Math, W.B. Dr. Gautam Chatterjee, Former Professor, Dept. of Mass Communication, BHU

#### Day 4

Dr. Kartihik Balasundaram, Asst. Professor, Dept. of Civil Engineering, VNIT Nagpur.
Dr. Sanjay Singh, Professor, Professor, OP Jindal University, Raigarh
Dr. Manoj Mishra, Asst. Professor, OP Jindal University, Raigarh

#### Day 5

Dr. Suchismita Panda, Asst. Professor, OP Jindal University, Raigarh
Dr. Anuja Khanna, Faculty of Psychology, Delhi World Public School, Raigarh
Swami Japasiddhananda Ji, Head, Dept. of Samskrit and Philosophy, Ramakrishna
Mission Vivekananda Educational and Research Institute, Belur Math, W.B.

- OP Jindal University, Raigarh

  In association with
  Universal Human Values Cell, Academic Staff College
  & Institution's Innovation Council
  organizes

  A Faculty Development Program on
  Universal Human Values
  and Wellbeing

  24th to 28th June, 2024

  Facilitators

  W. Suchisnite Pands

  Brand Patra

  M. Suchisnite Pands

  Brand Patra

  Bra
- 5 NSS and Center for Social Empowerment, OPJU in association with JSP Foundation, conducted the following activities under the supervision of **Dr. Sanjay Singh** -
  - Report Presentation Competition was organized for the students of B.Sc. (H) in Biotechnology under the guidance of **Dr. Taniyasen Rathore**. All the students participated enthusiastically and won the prizes. **Khushi Mishra, Antara Mukherjee, Khushi Singh, Ayush, Yogita** and **Rajkumari** won the prizes.
  - International yoga day was celebrated at OPJU on 21 June 2024. The employees and staff members of OPJU enthusiastically participated in the Yoga Session and learnt about the objectives and benefits of Yoga in daily life. The Hon'ble Vice-Chancellor of OPJU participated in the session and motivated the employees to practice Yoga daily for a healthy life. **Ms. Jyoti Sahu**, Sports Officer, OPJU, conducted the session.





**Dr. L R Bhandarkar** and **Mrs. Leena Behera** of Mechanical Engg. Dept. of SoE organized a 1-week online workshop on AUTOCAD in association with SAE-OPJU Collegiate Club and Academic Staff College-OPJU from 12-19 June 2024. The workshop covered all aspects of 2D and 3D drawings with an understanding and capability to utilize the tool in their projects and professional endeavors. Nearly 500 participants attended and benefited from the workshop.







- Mr. C N Singh, ED & HOP of JPL-Tamnar along with a small team, visited the *Centre of Excellence in Manufacturing & Automation (CoEMA)* of the university on 13 June 2024. The visitors appreciated the state-of-the-art equipment and innovations, thereby creating scope for various consulting projects.
- An online session on *Career Guidance in Core Sector* was conducted by **Prof. Bhawna Deshmukh** and **Prof. Rupesh Patel** for more than 135 participants having ITI, Std-12, Diploma, or Degree qualifications, on 24 June 2024.





- 9 School of Science organized a *Career Counselling Session* for the final year students of BSc on 28 June 2024. The session was coordinated by Prof. Sanjana Dewangan and addressed by **Dr. Ankur Rastogi, Dr. Saumya Singh** and **Dr. R.S. Singh**. More than 30 students had joined the session from different colleges.
- **Prof. Rupesh Patel**, under the mentorship of **Dr. G M Rao**, HOD-Electrical, organized a 1-Day Hands-on Training on Circuit Designing Workshop for all 2nd year students.







Career Guidance Sessions were organized in the different parts of the state and its neighbourhood (Ghargoda, Dharamjaigarh, Kharsia, Lelunga, Saria, Mahapalli, Korba, Sarangarh, Bilaspur, Sambalpur, Jamshedpur, Ranchi, Dhanbad, Janjgir, Champa ) for the students of Schools, Colleges, Polytechnics and Industrial Training Institutes.

























# (B) Placement

# Placement Drives conducted at OPJU



Company Name: Jindal Power Ltd.

For the Batch: MSc/ BSc 2024



Company Name: PB Partners

For the Batch: MBA/BBA 2024



**Company Name: Capital Via** 

For the Batch: MBA 2024



Company Name: Elematic India

For the Batch: BTech (Mech/Elect) 2024



**Company Name: Berger Paints** 

For the Batch: BTech (Mech/Civil) 2024



**Company Name: JSW** 

For the Batch: Diploma (Mech/Elect) 2024



**Company Name: Metamorphosis Engitech India** 

For the Batch: BTech (Mech/Elect/Meta) 2024



# **Students selected through Campus Drives**



Batch 2024 for Selection @











### Congratulations! Batch 2024 for selection @















**CONGRATULATIONS!** 

# Congratulations!



Sushant Mukherjee M.Tech Mechanical



**BATCH** 2024

For Selection@ TATA HITACHI

# angratulations! **BATCH-2024**

For selection @

**PRESTRESS** STEEL LLP



Chakra Dhari Todu



# Congratulations!

Batch 2024 for selection @















**Capital Via** 







# Congratulations!

**Batch-2024** 

For Selection @









Shrijan Singh



# Congratulations!

Batch 2024 for Selection @



Shubham Kumar Singh B.Tech Mechanical

# Congratulations!





Sachin Bhadana

# Congratulations For Selection @





Roshan Kumar Singh

# Congratulations





**Subrat Kumar Jena** 

Package: 10.5 LPA



## (C) Research and Publication

Dr. Saurabh Gupta of SoM published a research paper, User-Centered Exploration of M-governance Adoption: Identifying and Analyzing Determinants in the Transforming *Government: People, Process and Policy* (ABDC, Q2, SCOPUS indexed journal). emerald.com/insight/content/doi/10.1108/TG-01-2024-0027/full/html



2 Mr. Bhupendra Tripathi of SoM published a Book Chapter, The Future of Robo-Advisors in Wealth Management, ISBN13: 9798369332641. doi.org/10.4018/979-8-3693-3264-1.ch009



Dr. Rakesh Nayak published a book chapter titled Challenges in Building Predictive Models as Chapter 2 of the book Intelligent Techniques for Predictive Data Analytics, Published by John Wiley & sons. The co-authors are Dr. Ch. Rajaramesh and Dr. Umashankar Ghugar. books.google.co.in/books?id=LE0PEQAAQBAJ&newbks=0&printsec=frontcover&pg=PA25&hl=en&source =newbks\_fb&redir\_esc=y#v=onepage&q&f=false



4) Dr. Sushree Diptimayee Swain of EE Dept., SoE published a paper, Analysis of Direct and Indirect Current Control Techniques in p-q Theory Based Shunt Active Power Filter at the IEEE International Conference on Smart Power Control and Renewable Energy (ICSPCRE-2024).

5 Prof. Pushpanjali Shadangi and Prof. Sushree Diptimayee Swain of EE Dept., SoE published a paper, Comparative Study of DSTATCOM Pulse Generation Techniques Performances at the IEEE International Conference on Smart Power Control and Renewable Energy (ICSCRE-2024).



6 Dr. Kavita Patel of Chemistry Dept., School of Science, published a research paper, Determination of Water Quality Parameters of Kelo River in Chelonian Conservation and Biology, Vol. 19, No.1 (2024) (a SCOPUS indexed Q3 Journal). acgpublishing.com/index.php/CCB/article/view/845



**Dr. Taniya Sengupta Rathore** of Biotechnology Dept., School of Science, published a research article, Exploring Phytochemical Tyrosinase Inhibitors Against Melanoma Skin Cancer in the Indian National Science Documentation Centre (INSDOC) under CSIR, GoI in The Proceeding of Zoological Society of India, 23 (1): 2024 connectjournals.com/pages/articledetails/toc038405

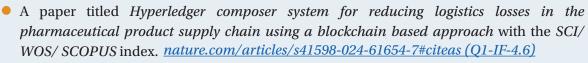


Dr. Mithilesh Sahu of Mechanical Engg. Dept., SoE, published a Book Chapter, Green Design and Manufacturing in the Era of Industry 4.0: Towards Waste Reduction and Sustainable Environment in the book Green Manufacturing for Industry 4.0 Building a Sustainable Future with Smart Technology, CRC Press, Taylor and Francis Group, UK.



routledge.com/Green-Manufacturing-for-Industry-40-Building-a-Sustainable-Future-with-Smart-<u>Technology/SinghParihar-Jain/p/book/9781032575018</u>







- A Book titled Developing AI, IOT and cloud computing based tools and Application's for Women's Safety with Routldge Taylor & Francis Group of publication with SCOPUS index.
- A Book Chapter titled *Challenges in Building Predictive Models*" with SCOPUS index. nature.com/articles/s41598-024-61654-7#citeas
- **Dr. Shradha Gupta** of SoM published a Book, From Idea to Impact: *A Startup Journey* with ISBN: 9789 3340 10213.















## (D) Achievements

1 OPJU received following Rankings







**Prof. Pradeep Kumar Shriwas** of CSE Dept., SoE completed his PhD Defence Viva-voce in subject of *Cloudlet-Based Proposed Novel Framework for Improvement of MCC (Mobile Cloud Computing) Performance.* 



Mr. Bhushan Chandrakant Bhede, Doctoral Scholar of Mechanical Engg. Dept., SoE, defended his PhD thesis titled, *Design and Performance Analysis of Rotary Desiccant Wheel Dehumidifier* on 18 June 2024 under the guidance of **Dr. Siddharth S. Chakrabarti**, Dean, SoE, OPJU.



**Dr. Saroj Kumar Chandra** of CSE Dept., SoE delivered an Expert lecture on *Machine Learning with Python* at Kirodimal Government Polytechnic College Raigarh.



**Mr. Gyan Prakash Sharma** of CSE Dept., SoE participated in the Faculty Development Program (FDP) by UptoSkills Leveraging AI for Effective Teaching, Enhancing Critical Thinking and Fostering Personal Growth.



- **Prof. Manoj Kumar Mishra** of SoM completed a Short-Term Training Program (STTP) on *Multiple Attribute Decision Making and its Industrial Application* organized by Sardar Vallabhbhai National Institute of Technology, Surat during 15-19 June 2024.
  - He also participated in a 3-Days national level online workshop on *Writing and Publication Guidance* for SCOPUS Journals during 1-3 June 2024 organized by Research Education Solutions in association with Sharnbasva University, Karnataka.
  - He also completed the Advanced Masterclass on *Basic to Advanced Microsoft Power BI* and *Basic to Advanced Tableau*.







- **Prof. Bhupendra Tripathi** of SoM participated in the Research Conclave, Research Redefined on 8 June 2024 in Department of Commerce at the Manipal Academy of Higher Education (MAHE).
- **Dr. Sandeep Biswal** of EE Dept., SoE is selected as an Associate Editor for the journal, *IET Generation, Transmission, and Distribution* (SCI-Q1 category) for 3 years. ietresearch.onlinelibrary.wiley.com/hub/journal/17518695/homepage/editorial-board.
- **Dr. Sushree Diptimayee Swain** of EE Dept., SoE participated in an FDP, *Recent Trends in Renewable and Electric Vehicle Technologies* during 3-7 June 2024.







- **Dr. Ankireddy Narendra** of EE Dept., SoE completed a 1-Week FDP, Sustainable Power Generation and Advanced Electrical Systems: New Horizons during 3-7 June 2024 organized by the Dept. of Electrical Engineering, S R University, Warangal.
  - He is also recognized as a reviewer for the articles of IEEE-sponsored Conference, OTCON 3.0 organized by the O P Jindal University, Raigarh.
  - He also completed an STTP, Recent Trends in Electrical Engineering and Teaching Padagogy during 24-29 June 2024, organized by the Department of Electrical Engineering, P R Pote College of Engineering and Management, Amravati.



- Dr. Biranchi Prasad Panda of SoM participated in the following National Level Interactive Sessions -
  - Webinar on *NEP 2020 for Higher Education: Opportunities and Challenges* conducted by National Skills Network (NSN) on 21 June 2024.
  - Webinar on *Emerging Trends in Academia* conducted by PHI Learning on 6 June 2024.
- **Prof. Suchismita Panda**, Dept. of Humanities, SOS, successfully completed 5-Days STTP, *Writing Quality Research Paper and Proposal* organized by the Dept. of HSS, SVNIT, Surat.





- **Dr. Kavita Patel**, Dept. of Chemistry, SoS, successfully completed an FDP, *Leveraging AI for Teaching, Enhancing Critical Thinking and Fostering Personal Growth* organized by the Uptoskill, approved by MSME, Government of India.
- **Dr. R N Shukla** of CSE Dept., SoE chaired the Session at the *5th Springer International Conference on Data Engineering & Applications* jointly organized by the School of Information Technology, Rajiv Gandhi Proudyogiki Vishwavidyala and Oriental Institute of Science & Technology, Bhopal on 28-29 June 2024.





- Mr. Hemant Kumar, Dept. of Biotechnology, SoS won a consolation prize for Innovative Research Award Categories in a 2-Days International Conference on *Recent Innovations in Scientific and Commercial Approaches Towards Land Restoration & Environmental Sustainability (ISCLRES)*, organized by Swami Shree Swaroopanand Saraswati Mahavidyalaya, Bhilai, held during 5-6 June 2024.
- Anjali Chouhan & Manisha Sahu, 2nd semester students of BSc (Hons) Biotechnology, secured 3rd position in Poster Presentation Competition in a 2-Days International Conference on *Recent Innovations in Scientific and Commercial Approaches Towards Land Restoration & Environmental Sustainability (ISCLRES)*, organized by Swami Shree Swaroopanand Saraswati Mahavidyalaya, Bhilai, held during 5-6 June 2024.



17 Ms. Priya Agarwal, a student of CSE completed a 1-Month Internship From 15 April to 15 May 2024 in Web Development with outstanding remarks at Prodigy.

Students of Electrical Engineering (25 Nos) displayed their excellence with paid internship offers in reputed companies..



## (E) Upcoming Events













**DEVELOPED** 



Top 5 Candidates will be awarded with Paid Internships Interested candidates can submit their CV& Portfolio to innovation@opju.ac.in

**Internship Starting Date** 10th June (1st Batch)

Graphics

20th June (2nd Batch)

For details Contact us: \$\infty 7008262313, \$\exists www.innovation.opju.ac.in









#### OP Jindal University, Raigarh

Department of Civil Engineering, School of Engineering Online Workshop on

### Introduction to STAAD.Pro

Course Instructor

Mr. Gopal Krushna Gouda

Course Coordinator

Dr. Anurag Sharma

Duration: 15 - 19 July 2024 Time : 3:00 - 4:00 PM Last Date of Registration 12 July 2024

FREE

Mode of Delivery On Google Meet

#### Prerequisite

Microsoft Windows 10 (64 bit only) 4 GB RAM (16 GB recommended)

- To provide basic working knowledge on STAAD.Pro
  - To Develop working knowledge of analysis and design of small structure which can be executed on STAAD.Pro

- Exploring the STAAD.Pro Tools
  Analysis of RCC Beam
  Analysis of 2D & 3D Frame

All the registered participants will get an E-certificate after successful completion of the course





# Call for Papers



**Mechanical Engineering International Conference** (**MEICON 1.0**)

December 19th & 20th 2024 | Raigarh, India

### **Paper Submission OPEN !!!**

#### Convenors

Dr. L. R. Bhandarkar / Dr. Mithilesh Kumar Sahu

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Franius Metropolia



**5** August 2024



# (F) Emerging Technologies/ Techniques

## Robotic Arm

(Source: Dr. Saroj Kumar; Adapted from: Indian Patent Office for Patent on Design and Trademarks; Applocation Number:406765-001))

The design of the robotic arm registered with the Indian Design Patent Office represents a significant advancement in robotics technology. This innovative design incorporates a sleek, ergonomic structure with enhanced functionality for precision tasks. It features a modular architecture, allowing for easy customization and adaptability to various industrial applications. The arm is equipped with advanced sensors and actuators, ensuring high accuracy and smooth operation. Its intuitive interface and user-friendly control system facilitate seamless integration into existing workflows, making it an invaluable asset in manufacturing, automation, and research sectors. The patented design underscores a commitment to cutting-edge engineering and innovation in robotics.



# M-Commerce: Revolutionizing the Mobile Marketplace

(Source: Dr. Gopal Krishna Rathore; Adapted from: Dr. C.Vijai and Dr. N. Vijayakumar (2017), A STUDY ON MOBILE COMMERCE IN INDIA, Shanlax International Journal of Commerce, Vol. 5, Special Issue, 1 August 2017, ISSN: 2320-4168.)



Mobile commerce, or m-commerce, is transforming the buying and selling of goods and services through smartphones and tablets. The progression from traditional and e-commerce to m-commerce capitalizes on convenience of mobile technology in boosting the consumer engagement. Key drivers of m-commerce include the widespread adoption of smartphones, enhanced mobile network infrastructure, innovations in mobile payment technologies, and the growing preference for shopping convenience, anytime and anywhere. Several trends that shaped the m-commerce landscape are the AI and ML enabled personalized shopping experiences, AR enabled product visualization, Integrated-shopping features of Social Commerce platforms, and Voice Commerce etc. Moreover, businesses are increasingly adopting mobile-first design principles to ensure a seamless user experience on mobile devices.

Despite numerous advantages, m-commerce faces several challenges too. Ensuring the security of mobile transactions is crucial, requires businesses to invest in robust security measures to build trust among the customers. Technical limitations like inconsistent telecom network and internet speeds can hinder the growth of m-commerce. Seamless user experience on mobile devices appears as a challenge due to smaller screens and varied device specifications. M-Commerce being competitive in nature necessitates differentiation through unique value propositions and superior customer services.

The widespread adoption of 5G technology provides faster and reliable connectivity, enhancing the overall m-commerce experience. Block chain technology also exhibited the potential of revolutionary mobile payments with security, transparency and efficiency. The integration of IoT with m-commerce created the innovative shopping experiences like smart reorder of groceries. With the penetration of mobile technology new global markets are emerging, expanding new opportunities for businesses even in the unreached territories. Keeping pace with the trends and addressing the challenges, businesses are leveraging m-commerce to drive growth and enhance customer satisfaction, making it an integral part of the global economy.



## **New Addition to OPJU-Talent Pool**



Ms. Priti Manhar Assistant Warden (Girls Hostel), Administration BA, B.Lib., M.Lib.

# **Editorial Team**

### **Chief Editor**



Dr. Biranchi Prasad Panda Professor, School of Management, OP Jindal University, Raigarh

### Designer



Mr. Praveen Dewangan Assistant Manager, Marketing & Outreach Dept, OP Jindal University, Raigarh

### **Members**



**Dr. Arindam Patra** Assistant Professor, Dept of Humanities, OP Jindal University, Raigarh



Dr. Ashish Sharma Professor, Dept of Computer Science & Engg.,





Dr. Vatsala Chaturvedi Assistant Professor (Sr. Grade), Dept of MME, OP Jindal University, Raigarh



Dr. Ankireddy Narendra Assistant Professor, Dept of Electrical Engg., OP Jindal University, Raigarh



Prof. Namrata Ojha Assistant Professor, School of Management, OP Jindal University, Raigarh

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<u>Webpage</u>

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