

OPJU NEWSLETTER

OP Jindal University, Raigarh

August 2023

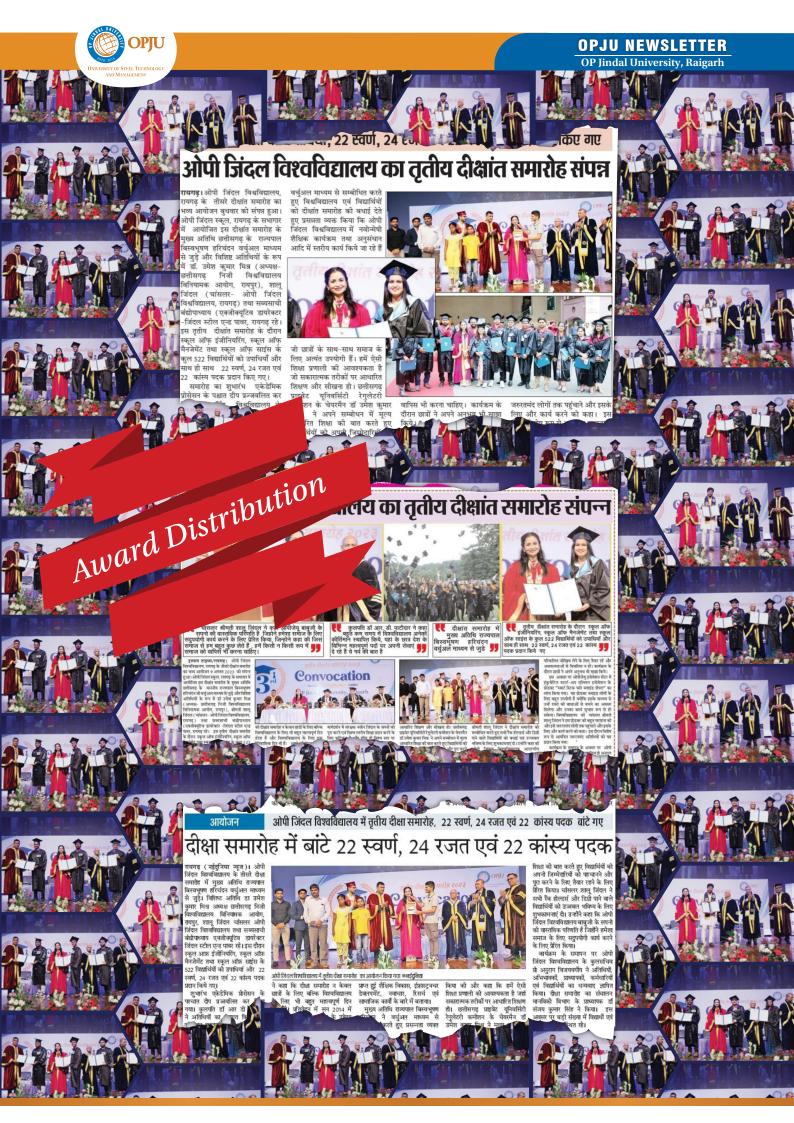




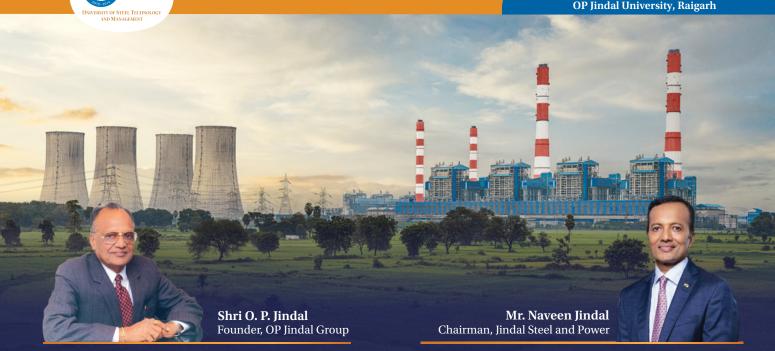
About the Convocation

OP Jindal University (OPJU) declares its 3rd Convocation in the august presence of distinguished dignitaries, guests, and media teams. This event reflects the fulfillment of the dreams of both the founder and the graduating students every year. The current batch has accomplished 522 graduations along with 22 Gold Medals, 24 Silver Medals and 22 Bronze Medals. This is a record of the acknowledgement and appreciation of the university towards hard and sincere efforts of the students, staff and faculty mentors.









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Ceremony -

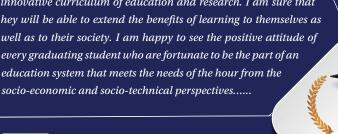
It is our aim to educate and train a skilled workforce who makes the products and services of industry as per international standards.

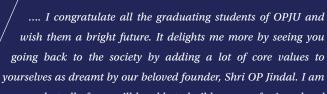
Pursuit of knowledge through first-hand experience is the cornerstone of the OP Jindal University. We believe that every student is unique, and their potential can be unlocked through proper guidance, encouragement, and quality teaching. OPJU is an attempt to make world-class education accessible to deserving students both in metros and in smaller towns of India through its modern infrastructure, multi-disciplinary programs and enriching campus life. The university will create the best leaders not only for India but also for the world.



Hon'ble Sri Biswabhushan Harichandan Governor, CG

.... I am delighted to see the graduating students of OP Jindal University who have completed their journey through an innovative curriculum of education and research. I am sure that hey will be able to extend the benefits of learning to themselves as well as to their society. I am happy to see the positive attitude of every graduating student who are fortunate to be the part of an education system that meets the needs of the hour from the





sure that all of you will be able to build your profession ahead without by overcoming the risks in achieving the goals with strong determination.....

Hon'ble Smt. Shallu Jindal

Chancellor, OPJU



Hon'ble Dr. Umesh Mishra Chairman, CGPURC

.... I strongly agree with the visionary words of the Vice Chancellor, Chancellor, and the Governor of CG. I extend my sincere congratulation to all the graduating students for their outstanding performance in various disciplines. Along with their educational proficiencies, I wish every student present over here to demonstrate their core-values of learning extend it for the benefit of the society and mother-earth as a responsible global citizen....

Dr. R. D. Patidar Vice-Chancellor, OPJU



..... I congratulate all my OPJU students who graduated with flying colours - Gold, Silver, and Bronze medals. I thank you all for making this day of convocation a remarkable day for yourselves as well as for the OP Jindal University. We at OPJU, put all efforts to keep pace with the emerging areas of knowledge and technologies through valuable education and research. Your achievements and our accomplishments together brought a lot of distinctions and recognitions to this young university in less than a decade. We are determined to demonstrate world-class innovative practices at OPJU.....



(A) Events & Activities

Inauguration of *Smart Vision Stick* for visually challenged people was done by **Ms. Shallu Jindal**, Chairman, JSP Foundation at the 3rd Convocation of OP Jindal University Raigarh. Smart Vision Stick is developed by **Mr. Ravi Kiran**, Founder of Alien Innovation Pvt. Ltd. in association with OPJU Innovation Center, as a social initiative to bring light to their life through innovation which assists a visually impaired person to navigate independently indoor and outdoor. The device is first of its kind with a battery life of 25 days in a single charge and can detect obstacles from a distance of 1 metre. This device along with an upcoming wearable vision device can further improve significantly the lifestyle of visually challenged people.





- OP Jindal University celebrates its achievments of 29th All India Rank and 10th Zonal Rank by Internshala Annual Ranking 2023 on the Internship Day on 25 August 2023.
- **Prof. Vinod Nagpure** of Civil Engineering Department of OPJU delivered a series of guest lectures titled, *Training of Trainer (ToT): Civil and Construction* at OPJCC, Punjipathra during 11 to 13 August 2023.





- **Dept. of Mech. Engg.**, organized in collaboration with the Centre of Excellence in Robotics (CoER) and the Institutions Innovation Council (IIC) a workshop cum hands-on training on *Drone Technology* from 21 to 23 August 2023. Around 60 participants of OPJU and outsiders took part in the workshop and gained valuable insights on the recent advances and applications.
- **Dept. of Mech. Engg.** in collaboration with the Centre of Excellence in Manufacturing and Automation organized one-month industrial internship program sponsored by the Science & Engineering Research Board (SERB), Department of Science and Technology (DST), Govt of India, under the Accelerate *Vigyan Vritika scheme* for the month of August 2023. Dr. R. D. Patidar, VC, OPJU addressed the inaugural function and highlighted various applications of the emerging technologies in the industry and the society.



Mr. Vishnu Tamrakar of CDC, OPJU conducted a two-days training program on *Advanced MS Excel* for GETs of JSP, Angul on 2 to 3 August 2023.



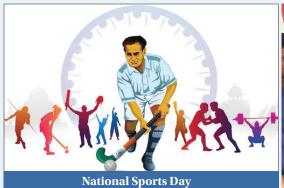
- 7 Dept. of Metallurgical Engg. and CDC together conducted pre-placement training for
 - * *Jindal SAW Gulf* drive during 11 to 17 August 2023. **Dr. Trinath Talapaneni** and **Mr. Soumitra Tiwari** were the key resource persons of the training program.
 - * *Jindal Steel & Power* drive on 20 August 2023. **Dr. S. Das, Dr. Guruprakash** and **Dr. Trinath Talapaneni** were the key resource persons of the training program.
 - *Amalgam Steel Preparatory Session on 23 August 2023. **Dr. J. P. Rath** and **Mr. Soumitra Tiwari** were the key resource persons of the training program.







OP Jindal University is organizing 5 Kilometer Run on the occasion of *National Sports Day* (Major Dhyan Chand's Birthday) under the banner of FIT INDIA MOVEMENT (HUM FIT TO, INDIA FIT) for faculty, staff, security, and students, on 29 August 2023 at 4: 00 PM.





- 9 NSS wing of OPJU in association with JSP Foundation organized the following activities:
 - * Blood Donation Camp on 25 August 2023 at Health Centre, OPJU. The donors contributed 47 units of blood.
 - * *Plantation Drive* at Netraheen Bal Vidya Mandir, Amlidih on 1 August 2023 and planted Amla, Lemon, and Mango plants (Total-11 Plants).
 - * Distribution of Games and Sports items in Govt. Pre-Middle School, Tumidih, Govt. High School, Samaruma, Govt. Higher Secondary, School and Govt. Middle School, Chharratangar on the occasion of birthday of Shri O. P. Jindal ji (Babuji).
 - * A Workshop on *Women's Health and Hygiene* for the girls of Govt High School, Samaruma on 18 August 2023. The workshop was conducted by **Dr. Kavita Patel**, **Dr. Dipti Shukla** and **Mrs. Kavita Deshmukh**, followed by the distribution of sanitary napkins to the girls.







* Career Counselling Session at Govt. High School, Samaruma for the students of class-10th. **Dr. S. K. Singh**, and **Dr. J. P. Rath** of OPJU were the counsellors. The event followed by the distribution of books to all the participants and teachers. Also a First Aid Box was presented to the school.





- * A workshop on *Women's Personal Hygiene* for the women of Punjipathra 22 August 2023 at OPJU campus. **Dr. Saumya Singh** and **Dr. Debasmita Samal** conducted the workshop. 25 women participated in the workshop. The resource persons guided the participants about their personal hygiene and distributed sanitary napkins, etc.
- * A workshop on *Women's Personal Hygiene* for the girls of Govt. Higher Secondary School, Chharratangar on 23 August 2023. **Mrs. Kanchan** and **Ms. Kirti** guided the girls on their personal health and hygiene. Sanitary napkins were distributed to all the participants.
- * The faculty members of OPJU visited Netraheen Bal Vidya Mandir, Amlidih (Adopted Village) on 24 th August 2023. They interacted with the teachers and students and donated Grocery Items like Rice, Salt and Sugar.
- * A workshop on *Mental Health and Well-being* for the students of Govt. Higher Secondary School, Chharratangar on August 2023. **Dr. Anuja** conducted the workshop.









- 10 Centre for Corporate Education and Training (CCET) organized the following training programs:
 - * One-day training on *Behavioural Based Safety* for the employees of Jindal Steel & Power, Raipur during 10-11 August 2023. **Dr. Sanjay Singh** of SoS delivered this session.
 - * Two-days training on *Finance for Non Finance* for the employees of Jindal Steel & Power Raipur on 4 & 5 August 2023. **Dr. Gopal Rathore** of SoM delivered this session.
 - * One-day training on *Project Management* for the GETs of Jindal Steel & Power Angul on 1 August 2023. **Mr. Manoj Mishra** of SoM delivered this session.





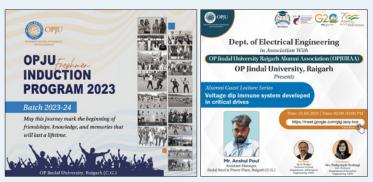


- OP Jindal University has entered into a *Memorandum of Understanding* (*MoU*) with MSP Steel, Raigarh. The MoU envisages advancement and enhancement of joint initiatives to further industry-academia interface and collaboration in research and development studies, projects and surveys, capacity building programmes, etc. Dr. Mahesh Bhiwapurkar and Dr. Sanjay Singh of OPJU and Mr. B. K. Singh, COO of MSP Steel were present in the signing occasion.
- **OP Jindal University** celebrated its *Founder's Day* by paying tribute to shri OP Jindal on 7 August 2023. VC-OPJU distributed sweets and gifts to the employees. Also, a plantation drive was conducted on the same day.
- HR Dept. of OPJU celebrated *Adopt a Tree Scheme* by organizing a plantation-drive and a cake-cutting ceremony on 31 August 2023 for the employees having birthdays in August.
- **HR Dept. of OPJU** distributed Rakhi Gifts on 28 August 2023 behalf of Shri Naveen Jindal, Chairman, OPJU to the employees having girl children.





OPJU celebrated the Induction program **FRESHMEN-2023** titled for its new batch of students in the acadamic year of 2023-24. The program was conducted over two weeks (from 23 August to 1 September 2023).



- **Dept. of Electrical Engg.** in association with OP Jindal University Raigarh Alumni Association (OPJURAA) organized a guest lecture on *Voltage Dip Immune System Developed in Critical Drives* on 25 August 2023.
- **Dr. Biranchi Prasad Panda**, represented OPJU in the online meeting organized by The Hon'ble Secretary, UGC with VCs and REgistrars of Indian universities for the implementation of NEP-2020 by launching UTSAH and POP portal on 16 August 2023.
- **18** School of Management in association with Institution's Innovation Council organized the following events:
 - * A webinar on *Challenges and Opportunities During Internship* on 12 August 2023. The session was delivered by **Dr. Gopal Krishna Rathore** and coordinated by **Dr. Alka Pandey** and **Prof. Namrata Ojha**.
 - * An expert talk on the occasion of *World Entrepreneurs Day* on 21 August 2023. The session was handled by **Mr. Karan Kukreja**, Founder of GIFLIF & White Walls Media and coordinated by **Dr. Himanshu Vaishnaw**.
 - * A webinar on *Lean Start-up & Minimum Viable Product/Services* for the young professionals on 26 August 2023. **Dr. Trptitoor Bajpai** of IILM University, Gurugram was the speaker of the session..
 - * A webinar on *Accelerators and Incubation Opportunities for Students & Faculties-Early Stage Entrepreneurs* on 22 August 2023. **Dr. Subhendu Kumar Mishra** Associate Professor, Department of Entrepreneurship, GITAM University, Visakhapatnam. **Dr. Vikash Kumar** and **Mr. Bhupendra Tripathi** were the coordinators.



- * A webinar on *Social Entrepreneurship* was delivered by **Dr. Himanshu Vaishnaw** on 24 August 2023.
- * A webinar on *Innovation and Human Values* was delivered by **Prof. Bhupendra Tripathi** on 25 August 2023.
- * A webinar on Decoding Entrepreneurial Mindset was delivered by Dr. Vikash Kumar on 28 August 2023.







School of Science in association with **Institution's Innovation Council** organized Innovation Expert Talk on Skill Based Learning and Employability by Dr. Sanjay Kumar Singh on 26 August 2023.





(B) Placement

1 Placement Drives conducted by CDC in the campus of OPJU



Company Name:

Jindal Saw Gulf

Students' Background:

Diploma Metallurgy 2022/23 Batch



Company Name:

Jindal Steel & Power

Students' Background:

BTech_Elect/Mech/Meta_2023 Batch



Company Name:

Amalgam Steel Group

Students' Background:

MBA_HR_2023 Batch



Company Name:

Singhal Enterprise

Students' Background:

MBA_HR_2023 Batch

Five students, **Shweta Majhi, Nilofer Naaz, Kiran Nirmalkar, Kunal Kapse** and **Madhav Uraon** of MBA stream of OPJU got placed in *Square Yards*.





- 3 One student, **Daneshwar Chandra** of Diploma Metallurgy stream of OPJU got placed in *Indo-Chains Pvt. Ltd.*
- 4 One student, **Shashank Mishra** of MBA stream of OPJU got placed in *Viva Petrol Chemicals*.





- 5 Two students, **Shashank Mishra** and **T Pawan Kalyan** of MBA stream of OPJU got placed in *XpressBees*.
- 6 One student, Vijay Kumar Sahu of M.Tech Mechanical stream of OPJU got placed in *Power Mech Projects*.





Five students, Vishal Pathade, Nikhil Chandrakar, Gitesh Gupta, Brujesh Boudh and Siddha Dinesh of B.Tech Metallurgy stream of OPJU got placed in *Jindal Saw Gulf, Abu Dhabi*.



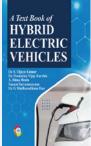
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(C) Research & Publications

Dr. Anurag Sharma published a research article Tribological Performance Evaluation of Greases on a Four-Ball Tester with Graphene Oxide Nanoparticles in ACS Omega, an SCI-indexed journal.







- Dr G Madhusudhana Rao published a book Hybrid Electric Vehicles with Iterative International Publishers, India with ISBN:978-93-5747-293-7.
- Ms. Pushpanjali Shadangi and Dr. Sushree Diptimayee Swain published a book chapter PSO-Based DSTATCOM for Harmonic Compensation Under Different Load Perturbation in the book titled Sustainable Energy and Technological Advancements, SPRINGER.





Prof Neeraj Verma, published a research article Taguchi Optimization of Tribological Properties and Corrosion Behavior of Self- Lubricating Composites Processed by Powder Metallurgy in the Journal of Materials Research and Technology. He also received a A British patent grant titled Electrochemical Cell for Corrosion Testing and file



Prof. Dharmendra Singh Saini published a research article Tribological Performance Evaluation of Greases on Four Ball Tester with Nanoparticles Graphene Oxide in the journal ACS Omega.



Dr. Mahesh Bhiwapurkar published a research article Development and Analysis of Rolling Contact Fatigue Squat Crack in Wheel/Rail-Weld System Using Finite Element Modelling in European Chemical Bulletin.



Prof. Jitesh Singh, published a research article, Thermal stability and dynamic mechanical analysis of nano-biofillers blended hybrid composites reinforced by cellulosic Borassus flabellifer L. fiber in International Journal of Polymer Analysis and Characterization.



Dr. Mukesh Shyamkant Desai, for publication of his Industrial Design with application Number 363716-001.



Dr. Kavita Patel published a paper titled An Overview on Chemical Aspects and Potential Health Benefits of Andrographolide in European Chemical Bulletin (SCOPUS Indexed) in August 2023.



10 Dr. Saroj Kumar Chandra published a research paper titled Efficient Machine Learning and Fractional Calculus based Mathematical Model for Early COVID in Journal of Human-Centric Intelligent Systems.



He also published a book chapter Impact of Fake News on Society with Detection and Classification Techniques published by Taylor and Francis.



Prof. Princy Diwan published a paper Blockchain Assisted Encryption Scheme for Intellectual Share Estimation Using Medical Research Data in Wiley Online Library on 29 August 2023.



Dr. Arti Vaish published a paper *Power grid adaptive and block processing control based on the extended Kalman filter and large deviation theory,* Chapter 5, pages 129-154, in the book Adaptive Power Quality for Power Management Units using Smart Technologies, published by CRC Press, Taylor and Francis.



She also edited a book *Adaptive Power Quality for Power Management Units using Smart Technologies*, with eBook ISBN 9781003436461, published by CRC Press, Taylor and Francis.

Dr. Rakesh Nayak published a paper titled *An Improved Grey Wolf Optimization-Based Convolutional Neural Network for the Segmentation of COVID-19 Lungs-Infected Parts* in Cognitive Computation, August 2023.



(D) Achievements

Ms. Pushpanjali Shadangi is appointed as a reviewer of American Journal of Electrical Power and Energy Systems (EPES).

She also delivered an expert lecture on -

- * Concept of Control System and its Industrial Applications at Jindal Institute of Power Technology, Tamnar on 17 August 2023.
- * Bacis of AC Circuits and Applications at Jindal Institute of Power Technology, Tamnar on 18 August 2023.

She also participated in -

- * A short term course on Sustainable Development Goals: Challenges and Opportunities scheduled from 21-25 August 2023 conducted by NITTTR, Chandigarh.
- * A webinar on Future of Technology Entrepreneurship in India on 12 August 2023.





- **Dr. Mithilesh Kumar Sahu** of Dept. of Mechanical Engg. delivered an Expert Talk Publication Ethics in the 5-days short term training program on Scientific Writing and Publishing from 31 July to 4 August 2023 at Sarala Birla University, Ranchi.
- **Prof. Tulika Gupta** and **Dr. Mahasakti Mahamaya** got approval for a research-cum-consultancy project An Eco-Friendly Approach Towards the Sustainable Development of Construction Materials Using Sponge Iron Fines and Fly Ash Waste from JSP, Raigarh.
- **Dr. Mithilesh Kumar Sahu** and **Dr. Saroj Kumar** of Mechanical Engg. Dept. attended the 5-days short term training program on Scientific Writing and Publishing from 31 July to 4 August 2023 organized at Sarala Birla University, Ranchi.







Dr. Mithilesh Kumar Sahu, Mr. Akash Pandey and **Dr Kuber Nath Mishra** of Mechanical Engg. Dept. delivered expert lectures at Jindal Institute of Power Technology (JIPT), Tamnar, during 14 to 17 August 2023.



Dr. Umesh Kumar Vishwakarma of Mechanical Engg. Dept. delivered a guest lecture on Introduction to Ethics in Research organized by Christian College of Engineering and Technology, Bhilai, Chhattisgarh on 17 August 2023.





- **Dr. Mukesh S Desai** of Mechanical Engg. Dept. attended a 1-week International online workshop on Research Methods and Methodology during 17 to 24 August 2023 organised by Eudoxia Research University, USA.
- **Dr. S. Das**, Steel Chair Professor and HOD and Dr. M. Kalyan Phani, of Metallurgical Engg. Dept. were invited as Jury for the Innovation Week with a theme of Energy Efficiency held during 1 to 5 August 2023 at JSP Raigarh.





- **9 Dr. M. Kalyan Phani** of Metallurgical Engineering Dept. delivered an expert talk on Green Steel: Race Towards Achieving Net Zero in the Innovation Week at JSP, Raigarh held on 7 August 2023.
- **Dr Deepayan Priyadarshi** of Civil Engineering Department appointed as the Advisory Committee member for the Formula Bharat for the 2023-2024 session.(formulabharat.com)
- Prof. Rakesh Patidar had attended a National Webinar on Sustainable Biomass Renewable Energy Supply Chain Management organized by Mandsaur University, Mandsaur (M. P.) on 5 August 2023.

 He also delivered an expert lecture on Measurement & Instrumentation at Jindal Institute of Power Technology, Tamnar on 19 August 2023.
- **Dr G Madhusudhana Rao** participated in an FDP titled Recent Advances in the Power Sector Challenges, Solutions, and Opportunities conducted by EEE Department, Vidya Jyothi Institute of Technology, during 31 July to 5 August 2023.
- **Prof. Nandalal Acharjee** of Metallurgical Engg. Dept. was invited for two half-day sessions for the students of M. Des. (Lifestyle Accessory Design) of NID, Gandhinagar on the topic Materials, Methods & Techniques.





- The department of EE signed an MoU with Arka Jain University on 4 August 2023.
- **Ms. Nikita Sahu**, a 5th-semester student of Mechanical Engg. Dept. successfully coordinated the Drone Technology workshop conducted at the OPJU campus.





- **Dr. Himanshu Vaishnaw** of SoM delivered a Guest Lecture on *Lean Start-up and Minimum Viable Product/ Business* for the Students and Faculty Members of Christian College of Engineering & Technology, Bhilai (Chhattisgarh) on August 18, 2023.
- Ms. Namrata Ojha of SoM has attended an online Faculty Development Program on *Research Methodology and Teaching Pedagogy* organized by the Department of Legal Studies, LCIT College of Commerce and Science during 7 to 12 August 2023.
- **Ms. Sujata Panda** of SoM completed two-weeks online interdisciplinary refresher course on *ADVANCED RESEARCH METHODOLOGY* from 21 July to 04 August, 2023, Organized by Ramanujan College, University of Delhi.





Dr. Saurabh Gupta of SoM has received 3rd place price in *Indigenous Voices Case Writing Competition* organized by Emerald Publishing.







- 20 Dr. Alka Pandey was awarded with her Ph.D. degree from HemChand Yadav Vishwavidyalaya, Durg.
- **Dr. Alka Pandey** of SoM attended online Faculty Development Program on *Emerging Perspectives of Multidisciplinary Rsearch: Methods & Analysis* Organized by Department of Business Administration & Department of Regional Economics Mahatma Jyotiba Phule Rohilkhand University, Bareilly from 1 to 7 August 2023.

New Additions to OPJU-Talent Pool



Ms. Jiya Singh
Front Office Executive
Administration Department, OPJU
B.Sc. (Hons)



Dr. Shubhashri KumariAssistant Professor,
School of Science, Dept. of Physics, OPJU
B.Sc. (Hons), M.Sc., Ph.D.



Mr. Hemant Kumar

LAB Instructor,
School of Science, Dept. of Biotech., OPJU
B.Sc. (Hons), M.Sc., Ph.D.



Mr. Lukeswr Prasad Sahoo Executive, Exam Section Dept. B.Sc. (Hons), M.Sc., B.Ed.



Ms. Monadeepa Sengupta *LAB Instructor, School of Science, Dept. of Physics, OPJU B.Sc. (Hons), M.Sc.*



Mr. Siddhant Chaturvedi Deputy CFO, Dept. of Finance & Accounts B.Com (Hons), CS, MBA



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