



# OPJU NEWSLETTER

## OP Jindal University, Raigarh

November & December 2022

### (A) Events & Activities

- 1 A Career webinar was organized by Mr Vishnu Tamrakar CDC and Mr. Dharmender Singh Saini Mech. Dept. on 17 Nov 22, Thursday, 3:00 pm to 4:30 pm *All About IELTS / GRE Exam: YOUR GOLDEN TICKET FOR A REWARDING CAREER* **Pranjul Kumar Dubey**, a fully funded scholarship recipient from Newcastle University England (2013) 8.5 /9 band in IELTS, Certified from Cambridge University, England.



OPJU  
75  
Ann. Mahotsav

OP Jindal University, Raigarh  
Career Development Centre(CDC)  
In Association with  
Dept. of Mechanical Engineering  
Presents

Expert Talk on  
**ALL About IELTS / GRE Exam:  
YOUR GOLDEN TICKET FOR A REWARDING CAREER**

Agenda:  
1. Why a Global degree  
2. Cost of education -  
Scholarships and funding  
3. Required preparation  
4. Best time and timeline  
for preparation.

**Speaker**  
Pranjul Kumar Dubey  
IELTS Trainer  
(8.5/9 band in IELTS)

**Coordinator**  
Prof. Dharmender Singh Saini  
Assistant Professor  
Department of Mechanical Engineering  
Vishnu Tamrakar  
Sr. Lecturer & Manager  
OP Jindal University

17.11.2022 (Thursday)  
03:00 - 04:30 PM

- 2 OP Jindal University congratulates **Dr. Bhupesh Dewangan** for conducting the one-day workshop on *Strategy to Crack GATE & Other Competitive Exams* at OP Jindal University, Raigarh on 16 Nov 2022.



One Day Workshop on  
**Strategy to Crack GATE & Other Competitive Exams.**

16 November 2022, Time : 11:00 AM - 01:00 PM  
MP Hall, OP Jindal University, Raigarh

**Resource Person:**  
Mr. Shikha Parash  
HOD/EAET

**Hosted by:**  
Dr. Bhupesh Kumar Dewangan  
Assoc. Professor, OPJU

**3** OP Jindal University congratulates **Dr. Bhupesh Dewangan** for conducting one-day workshop on *Impact of Technology on Mental Health* at MP Hall, OP Jindal University, Raigarh on 18 Nov 2022.



**4** Team CDC visited **Shyam Metalics Industries** at Jharsuguda; **L&T** at Kansbahal; and **IFGL** at Kalunga on 3rd Nov 2022 to understand and discuss about their hiring patterns, requirements, skills they look for GETs/MTs. It also shared brochure of CCET & EMBA.



**5** The Department of Metallurgical Engineering has organized 5-day online FDP on *Advanced Material Characterization Techniques (AMCT- 2022)*. The Chairman of the FDP, Dr. R. D. Patidar (VC-OPJU), Convener, Dr. Satyabrata Das (Steel Chair Professor and Head Metallurgical Engineering Department); Faculty Coordinators (Dr. Sibnath Kayal & Dr Vatsala Chaturvedi) organized 10 expert talks by speakers from various IITs, NIT's and R&D units dealing with Advanced Material Characterization Techniques. The external dignitaries were **Mr T Mohan Babu**, WTD & Plant Head, JSW Ispat Special Products Ltd, Raigarh and **Dr N Vishwanathan**, R & D Head, JSP Raigarh as a Guests of Honour. More than 200 professionals attended this session.



**6** The prize distribution ceremony of NMD was held on November 30. All the faculty and staff members were present in the ceremony along with the students. A total cash prize of Rs 4500/- was distributed to the winners of the various events by **Dr S Das** (Steel Chair Professor and Head of Metallurgical Engineering Department).





**Events conducted by Matellery Department of the eve of NMD**

 <p>Department of Metallurgical Engineering OP Jindal University, Raigarh In Association with Society of Metallurgical Engineers Invites you for <b>Logo Competition</b> On The Eve Of <b>NATIONAL METALLURGIST DAY</b> 14 November 2022</p> <p>Certificates will be given to all the Participants</p> <p><b>Cash Prize Of Rs 1200/-</b></p> <p><b>Student Co-ordinator</b> UDJWAL KESHARWANI (7770971760) CHATTANAYA RAWANKAR (8600657769) DANESHWAR CHANDRA PIYUSH KUMAR VISHAL SINGH</p> <p><b>Theme</b> Centre of Excellence in Steel Technology (CEST)</p> <p><b>Logo Competition</b></p>	 <p>Department of Metallurgical Engineering OP Jindal University, Raigarh In Association with Society of Metallurgical Engineers Invites you for <b>Metallurgical Quiz</b> On The Eve Of <b>NATIONAL METALLURGIST DAY</b> 14 November 2022</p> <p>Certificates will be given to all the Participants</p> <p><b>Cash Prize Of Rs 1500/-</b></p> <p><b>Student Co-ordinators:</b> Abhiram Rajanala - 6303151055 (B.Tech5th sem) Savi sekhar - 6268113334 (B.Tech3th sem) Anikesh prasad - 9875595170 (diploma 5th sem)</p> <p><b>Topics:</b> Physical Metallurgy &amp; Heat Treatment Extraction Metallurgy Engineering Materials Mechanical Metallurgy</p> <p><b>Metallurgical Quiz</b></p>	 <p>Department of Metallurgical Engineering OP Jindal University, Raigarh In Association with Society of Metallurgical Engineers Invites you for <b>Technical Presentation Competition</b> On The Eve Of <b>NATIONAL METALLURGIST DAY</b> 14 November 2022</p> <p>Certificates will be given to all the Participants</p> <p><b>Cash Prize Of Rs 1800/-</b></p> <p><b>Student Co-ordinator</b> Vedaj Patel - 9300980208 (5th sem) Sachin Sharma - 8085319360 (5th sem) Alia Keshavardhan (5th sem) Abhishek Yadav (3rd sem) Rakesh Kumar (Diploma)</p> <p><b>Topics</b> Industry 4.0 Waste to Wealth Advanced Materials Evolution Of Metallurgy Green Steel Technology Nano Materials &amp; Nano Technology</p> <p><b>Tech. Presentation Competition</b></p>
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On the **National Metallurgist Day**, OPJU organized ASM technical talk by **Dr S. Karak, NIT Rourkela**, in association with IIM Raigarh chapter, Materials Advantage chapter and Society of Metallurgical Engineers. The event was chaired by **Dr R. D. Patidar (Chief Guest), hon'ble VC**. 46 students from different sub-areas of interest registered and participated in the event hosted by **Mr. Sidharth Mishra Dr Deepankar Panda, Dr Nidhi Khobragade and Dr Prasenjit Biswas. and Dr Deepak Patel**.

The valedictory ceremony was conducted in presence of **Dr R. D. Patidar as Chief Guest** and **Mr. Anurag Vijaywargiya as Guest of Honour** for presenting the certificates to the winners of all events conducted on the eve of NMD-2022. The day was ended with the vote of thanks by **Dr Trinath Talapaneni, Dept. of Metallurgical Engineering**.

 <p><b>OP JINDAL UNIVERSITY</b> Raigarh (Chhattisgarh)</p> <p>Department of Metallurgical Engineering and Center of Excellence In Steel Technology</p> <p><i>Celebrates</i></p> <p><b>National Metallurgists' Day (NMD)</b> November 14, 2022</p> <p>IN ASSOCIATION WITH</p> <p>IIM MATERIAL ADVANTAGE SOCIETY OF METALLURGICAL ENGINEERS</p>	<p>ASM International Eastern India Raigarh Chapter &amp; Department of Metallurgical Engineering OP Jindal University, Raigarh In Association with Society of Metallurgical Engineers Invite you for</p> <p><b>A Technical Talk on "Metallurgical Aspects on Advance Welding and Applications in Industries"</b></p> <p><b>Speaker</b> Dr Swapan Kumar Karak Assistant Professor (Grade-1) National Institute of Technology, Rourkela</p> <p><b>Date: November 14, 2022</b> <b>Time: 04:00 PM (IST)</b> <b>Join us on: meet.google.com/wtc-nwrm-atx</b></p> <p><b>Moderator</b> Dr Trinath Talapaneni Secretary ASM International Eastern India Raigarh Chapter</p>
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**7** Mechanical engineers use **AutoCAD** for sketching and analyzing ideas to determine the best solution for a problem at the early stages of a design project. The project aimed to give the students an exposure to the software, Department of Mechanical Engineering organized a 25 hours training the pre-final year students between 16th Nov to 2nd Dec, 2022.

- 8 The Department of Mechanical Engineering in association with the Center of Industry-Academia Collaboration & IIC@OPJU organized an online session on *Autonomous Driving - Trends, Transformation, and Opportunities* on 6th Nov, 2022. **Mr. Badari Kotejshyer**, Associate Vice President, KPIT Bengaluru was the speaker for the session, who gave an excellent insight into current trends, autonomous technology, and business transformation models.



- 9 The Department of Mechanical Engineering organized industrial visit at **Dongamahua Captive Power Plant**, Tamnar for the 3rd semester students on 24th November 2022. Students understood in detail the working of a Thermal Power Plant and visited its key units.



- 10 The Department of Mechanical Engineering organized industrial visit at **Nalwa Steel and Power Ltd** for the 3rd semester students on 17th November 2022. Students got an exposure to the basic operations performed in a steel plant.





- 11** The Department of Mechanical Engineering in association with the Centre of Excellence in Manufacturing and Automation (CoEMA) proudly announces its participation in the National Skill Competition for *Best of the Best Welders 2022* (An Associate Event of the International Institute of Welding) to be held at CV Raman Global University Odisha.



- 12** School of Management, OP Jindal University Raigarh conducted **3rd International Conference On The Role of Innovation, Entrepreneurship and Management ofr Sustainable Development** in association with CRC-AIMA New Delhi, Jose Maria College Philippines and Ghana Institute of Management & Public Administration, Ghana on November 25-26, 2022



- 13** **Dr. Manoj Mishra** Dr. Saket Jeswani, School of Management, organised a Session on the topic *Entrepreneurs and Innovation as Career* at online mode on 22 November, in association with Institution's Innovation Council and Centre for Industry Academia Collaboration. The main speaker of the session was **Mr. S. B. Yadav**.



- 14** **Dr. Gopal Krishna Rathore** and **Dr. Vikash Kumar** School of Management, organised a motivational session on the topic *Story of Successful Innovator* online on 24 November, 2022, in association with Institution's Innovation Council and Centre for Industry Academia Collaboration. The main speaker of the session was **Ms. Priyanka Madnani** (Founder, CEO- Easy to Pitch Mentors).

- 15 Prof. Bhupendra Tripathy and Prof. Mukesh Kumar Sharma**, School of Management,organised a motivational Session on the topic *Problem Solving and Ideation* at online mode on 29 November, 2022. in association with Institution’s Innovation Council and Centre for Industry academia Collaboration.The main speaker of the session was Miss Eennu A Shaik. Market space coordinator,Atal Community Innovation Centre, CBIT Hyderabad.



- 16 Dr. Sukanta Sahoo and Ms. Sujata Panda**, School of Management,organised a workshop on *Convergence of Technologies and the conned world through Digital Marketing* at online mode on 19 November, 2022, in association with Institution’s Innovation Council and Centre for Industry academia Collaboration. The chief speaker was Dr. Rohita Kumar Mishra, Sambalpur University.

- 17 Dr. Manoj Mishra** School of Management, organised a Session on *How to prepare effective research report* at online mode on 4 November, 2022, in association with Institution’s Innovation Council and Centre for Industry academia Collaboration. The chief speaker was Dr. Nidhir Sharma, HOD-PDIAS, New Delhi.



- 18 Dr. Manoj Mishra**, School of Management, organised a motivational Session on the topic *Corporate Social Responsibility from Profit to Planet and People* at online mode on 5th November,2022. In association with Institution’s Innovation Council and Centre for Industry academia Collaboration.The main speaker of the session was Mr. Sushil Kumar Sharma( Founder CEO., Sustaineco

- 19 Dr. Biranchi Prasad Panda**, Chairman, NEP Implementation Committee, OPJU organized a webinar on *Future Education in Indian Universities: NEP Perspectives* for the benefit of students, staff, faculty and the society at large from the transformations in professional and higher education. The invited speakers were **Dr. Ritu Chhikara**, a research faculty of education sector and **Mr. Kamala Kanta Dash**, a policy analyst-cum-columnist.





- 20** **Dr. Sukanta Sahoo and Ms. Sujata Panda** School of Management, organized a Guest Lecturer Session on the topic *Innovative HR in Digital Age* at physical mode on 18 November, 2022. In association with Institution's Innovation Council and Centre for Industry academia Collaboration. The main speaker of the session were **Ms. Pragati Rajput (HR-GSW), Mr. Abhay Khandelwal (HR-Head NALWA) and Mr. Vivek Patnaik (HR-SSD)**.



- 21** The Department of Mechanical Engineering in association with the Center of Excellence in Manufacturing & Automation organized a five-days training program on *CNC Machines* during 5 – 9 December 2022 for ITI students. The training program was organised with an aim to upgrade the skills of students of nearby ITIs. This training benefited participants by providing an exposure of the latest advancements in the machining technologies like NC, CNC, and Metrology.



- 22** The Department of Mechanical Engineering in association with NSS has organized an Awareness campaign on *My Village, Clean Village, Importance of Voting* and *Save Soil* under the AICTE Activity Points Programme at Tumidih, Punjipathra. In the program, about 50 students from the third semester of Mechanical actively participated and formed groups to interact with the people on technical aspects.

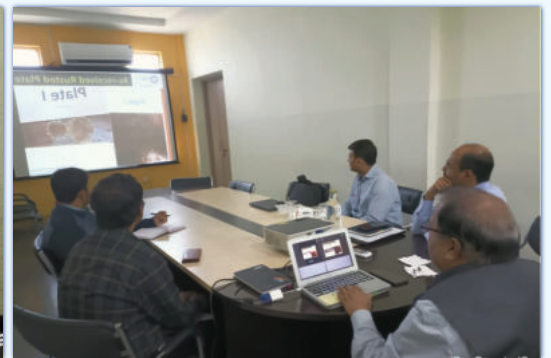




**23** OPJU team **Vikrant** comprising of the students from Mechanical and Electrical Engineering, has successfully cleared the first Pre-Virtual Round (Rulebook Test) of SIEP E-Bike Challenge 2023. The event is organized at the national level by the Imperial Society of Innovative Engineers (ISIE INDIA - India's Biggest EV Skill & Research Platform) and Hero Electric.



**24** In this month, **Mr. Bimlendra Jha**, MD, JSP; **Dr. Vishwanathan N**, AVP & Head R&D, JSP and **Mr. Sujeet** on December 05, 2022; **Mr. Greg Pawley**, CEO, Wollongong Coal Pty Ltd. on December 11, 2022 visited Metallurgical Dept, OPJU.



**25** Diploma 5th-semester students (2022- 23) have completed their 15 days Industrial Training-3 from 29 November, 2022 to 16 December, 2022 at NSP, Bimal Refractory, and JSP Angul.



**26** Diploma 3rd-semester students (2021- 24 batch have completed their 15 days Industrial Training-1 from 12 December, 2022 to 28 December, 2022 at NSP.





**27** School of Management, OPJU in association with Jose Maria College Foundation Inc., Philippines organized a “Five-Day online International Faculty Development Program (FDP)” on *Basic Data Analysis Through SPSS* from 12 - 16 December, 2022. The FDP covered various aspects of Data analysis using SPSS software which is the basic need for the modern-day researchers. The invited key speaker on the board was Prof. (Dr.) Dhaval Mehta, Veer Narmad South Gujarat University. This event has been co-ordinated by **Dr. Saket Jeswani** and **Dr. Mukesh Sharma**, SoM, OPJU.



The image shows two promotional posters. The left poster is for a 'Live-Day online International Faculty Development Program on Basic Data Analysis Through SPSS' organized by the School of Management & Academic Staff College (ASC) at OPJU, in association with Jose Maria College Foundation Inc., Philippines. It lists key highlights such as 'Overview of Research Methodology', 'Data Coding', and 'Descriptive Statistics'. The expert speaker is Dr. Dhaval Mehta, Professor at Veer Narmad South Gujarat University. The right poster is for a session on 'Design thinking, Critical thinking and Innovation Design' presented by the Institution's Innovation Council (IIC) on Dec 26, 2022, from 3:30 PM to 4:30 PM. The expert speaker is Dr. Biranchi Prasad Panda, Professor at the School of Management, OPJU. The coordinator is Prof. Bhupendra Tripathi & Dr. Vikash Kumar.

**28** School of Management conducted an online workshop in association with Institution's Innovation council (IIC) on *Design thinking, Critical thinking and Innovation*, delivered by **Prof. (Dr.) Biranchi Prasad Panda**, on 26 December, 2022, which was coordinated by **Dr. Vikash Kumar** and **Prof. Bhupendra Tripathi**.

**29** The Civil Engineering Department conducted 2 days of guest lectures in association with the IC-ACI Students Chapter on 8 & 9 December, 2022. The guest speakers were **Er. Sunny Sularker** and **Dr. G. S. Rampradheep**. More than 100 participants attended the session on *Repair and Protection of the RCC Building with Various Techniques*.

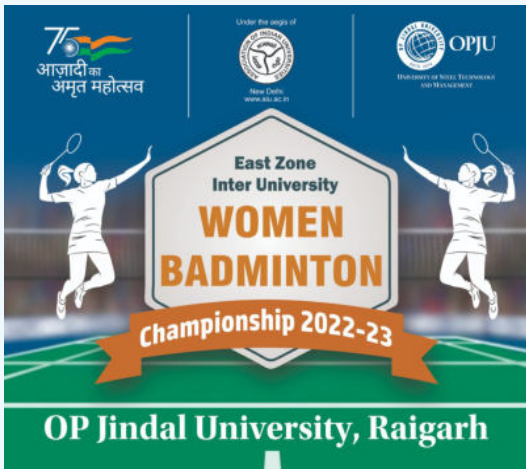


The image shows two posters. The left poster is for 'Two Days Guest Lecture' by the Department of Civil Engineering at OPJU, Raigarh. The first lecture on 'Repair & Protection of RCC Structures- International codes' is by Er. Sunny Sularker on 8th Dec 22 at 2:30 PM. The second lecture on 'Special Concretes' is by Dr. G. S. Rampradheep on 9th Dec 22 at 2:30 PM. The right poster is a 'CERTIFICATE OF TRAINING' issued by LearnVern, a franchisee of TIPS Technologies. It certifies that Bhaskar Mahobiya, having CAN\_1909529, has successfully completed training in the SolidWorks Course from Nov 2022 to Dec 2022 at LEARNVERN PVT LTD. The certificate is dated 08-12-2022 and issued by the Learning Authority at LearnVern.

**30** OPJU congratulates **Mr. Bhaskar Mahobiya**, M.Tech 3rd semester student of the Department of Mechanical Engineering for successfully completing one-month online training on *Solid Works* from Learn Vern Pvt. Ltd.



**31** OPJU conducted **East Zone Inter-University Badminton Championship 2022** from 27 to 30 December, 2022. More than 40 teams participated in the championship. Above 230 people participated in the event, which includes 170 Students, 65 Coaches and Managers.



**32** OPJU celebrated the zero night with the students; faculty, staffs and their family on 31 December, 2022. Conducted events like Musical Chair and fun games and DJ night for men, women and children.





## (B) Placement News

- 1** **CEAT** Off-campus drive was conducted its campus for girl students B.Tech\_EEE/Mech/Meta with the offer of 6 LPA. CEAT Limited is an Indian multinational tyre manufacturing company owned by the RPG Group. It was established in 1924 in Turin, Italy. It has a presence in global markets.



- 2** **ITC** Campus Drive was conducted at OPJU for MBA at Raipur on 20th November 2022 where our students appeared. They offered 4 LPA. ITC is one of India's most admired and valuable corporations with a diversified business portfolio comprising Cigarettes and Tobacco, Paper and Paperboards, Packaging, Hotels, Foods, Personal Care, Information Technology, Lifestyle Retailing and Agri Businesses. ITC is an Indian company with an abiding commitment to create enduring value for society and the nation.



- 3** **Hike Education** conducted a campus drive on 25 November 2022 for both UG & PG. Hike Education is one of the leading EdTech companies, working with the top B-schools from 2014. It selected 6 students - 3 B.Tech, 2 BBA & 1 B.Com with the package of 6.5 & 5.8 LPA.



- 4** **ZBT Consulting Pvt Ltd** conducted a campus drive on 24th November 2022 in an online mode for the B.Tech all streams 2022 batch students. ZBT Consulting is a management consulting firm based in Delhi/NCR and a group of consultants who have working experience in reputed management consulting firms. ZBT Consulting Pvt Ltd. selected Shubham Kumar Singh, B.Tech Electrical with the package of 3.6 LPA.

- 5** **DeltaX** Campus Drive conducted for the B.Tech\_CSE with an offer of Rs. 7 LPA. DeltaX is a data-driven digital advertising platform built for agencies and advertisers to optimally buy, track, attribute and report media across search, social media, display RTB, Mobile, Video and other channels



- 6** **Jain Software** Campus Drive conducted on 15 th November 2022 for various profiles in Digital transformation & develops/sells software, mobile applications, websites and other online services.



- 7** **Fortis Hospital** campus Drive was Conducted in the month of November for the BBA & MBA\_HR where students have been interviewed and results are awaited.



- 8** **Technoblast Mining** campus drive was conducted for MBA students in virtual mode however results are awaited. This company specialises in Mine Development and Operation (MDO), wherein extraction of ore is done based on plan specifying reserves available in mines.



- 9 JSW campus drive was conducted in the month on 29th & 30th Nov 2022 at OPJU for the B.Tech EEE/Mech/Meta 2022 batch students.



- 10 Jindal Aluminium selected Shubham Kumar Singh, B.Tech Electrical as GET with a package of 3.2 LPA.



- 11 Trukker Technologies: Aman Vishwakarma from B.Tech CSE got selected as Frontend Developer with an annual package of 7 LPA.



- 12 RKM Powergen Pvt Ltd selected Sunil Kumar as GET.

- 13 Codenically Software Services selected Rohit Kumar, B.Tech CSE.

- 14 Mr. Patrana Lokesh of B. Tech 2021 Batch got selected as an Apprentice-Metallurgy in Jayaswal Neco, Raipur, Blast furnace Dept. with a package of 1.92 LPA.

- 15 Mr. Durgesh Sahu and Mr Chaatram Sahu of B. Tech and Mr Saubhagya kamal and Mukesh Yadav of M. Tech, 2022 got selected in Ind-Synergy with a package of 1.5 & 2 LPA.

## (C) Research & Publications

- 1 Dr Deepankar Panda published a research article entitled *Resonance Photoemission Spectroscopic Study of Thermally Evaporated NiTiO<sub>3</sub> Thin Film* in SCI Indexed Journal 'Journal of Electronic Material'.



- 2 Prof. Asimkiran Dandapat presented a paper at GMHPHCI 2022, International Conference on Global Mental Health and Public Health Challenges & Innovation organized by Indian Institute of Information Technology, Ranchi titled *Analysis of Heart Diseases Prediction Using Machine Learning* on 26 Nov 2022.





- 3** **Dr. Mithilesh Sahu** published of a book chapter titled *Solid oxide fuel cell integrated blade cooled gas turbine hybrid power cycle* in the book *Hybrid Power Cycle Arrangements for Lower Emissions* published by CRC Press Taylor & Francis Group.



- 4** An article titled *A Study on Rural Consumer Buying Behaviour in Trial Areas of Nuagaon Block, Sundargargh District, Odisha* got published in the journal & Central European Management Journal authored by **Dr. Sukanta Kumar Sahoo**, and co-authored by **Prof. Bhupendra Tripathy** and **Prof. Sujata Panda**.



- 5** **Dr. Manoj Mishra** Published a Book Chapter titled *E-Word of Mouth and Purchase Intention: The Mediating Role of Attitude towards Social Media Advertising and Consumer Engagement* in IGI Global.



He also presented two paper in the 10th International Conference on Advances in Business and Management titled

- *Green Entrepreneurial Intention as a mediator Between Attitudes, Subjective Norm, Perceived Behavioral Control And Green Entrepreneurial Behavior*
- *Employee Mindfulness And Employee Wellbeing: Mediation And moderating role of Organizational Justice and Transformational leadership*



- 6** **Dr. Satyabrata Das**, Steel Chair Professor and HoD- Metallurgy Dept., has published a research article entitled *Effect of Heat Treatment on the Precipitation of Mg<sub>17</sub>Al<sub>12</sub> in Mg-7Al alloy* in *Materials Today: Proceedings*.



- 7** **Prof. Neeraj Kumar Verma**, Metallurgy Dept., published a research article titled *Influence of Different Aqueous Media on the Corrosion Behavior of B4C-Modified Lightweight Al-Mg-Si Matrix Composites* in *Journal of Materials (MDPI)*.



- 8** **Dr. Saroj Kumar Chandra** presented a paper at the Fifth International Conference on Information Systems and Management Science (ISMS2022) organized by “the faculty of ICT, University of Malta” titled *Sentiment Analysis for Depression Detection and Suicide Prevention Using Machine Learning Models* during November 24-26, 2022.



- 9** **Dr. Sandeep Biswal** published two articles, *A reconstruction based adaptive fault detection scheme for distribution system containing AC microgrid* in *International Journal of Electrical Power & Energy Systems*; and *Impedance based directional relaying for smart power networks integrating with converter interfaced photovoltaic plants* in *Electric Power Systems Research*, vol. 213, 2022.



**10 Dr. Gulshan Soni** accomplished a series of Research Work to his credit such as



- Book Chapter, *Preserving Privacy of Patients With Disabilities in the Smart Healthcare Systems* on 1 Nov 2022.
- Book Chapter, *A Visual Framework for an IoT-Based Healthcare System Based on Cloud Computing* on 5 Nov 2022.
- A Patent on *IoT based Automatic detection and prevention of all types of leaf disease and other environmental factors using AI camera, WSN and Machine learning algorithms.*
- Book Chapter, *Toward automated machine learning for genomics: evaluation and comparison of state-of-the-art- AutoML approaches.*
- Article, *Blockchain Enabled Internet of Things: Current Scenario and Open Challenges for Future*, published with the Machine Intelligence Research Labs (MIR Labs) Scientific Network for Innovation and Research Excellence Auburn, Washington, USA.
- Three Book Chapters in Scopus-indexed book, titled *Handbook of Research on Quantum Computing for Smart Environments*. The title of the chapters are:
  - *A Review on Recent Trends in Quantum Computation Technology*
  - *Quantum Computing and the Qubit: The Future of Artificial Intelligence*
  - *Cyber Security: New Realities for Industry 4.0 and Society 5.0*

**11 Dr. Mahasakti Mahamaya** published a paper, *Engineering Properties of Cementless Alkali Activated CLSM using Ferrochrome Slag* in *Journal of Materials in Civil Engineering, ASCE, (SCI, Q1 index)* on 16 December, 2022.



**12 Dr. Anurag Sharma** presented a paper, *Seismic Assessment of Steel-frame Buildings Mounted with Base-Isolated System* in 12th Structural Engineering Convention-An International Event (SEC 2022) in MNIT Jaipur (India), published in a Scopus Indexed Conference Proceeding.



**13 Dr. R. S. Singh** published

- A Book, *Emerging Two Dimensional Materials and Applications* with referred publisher CRC Press, Taylor & Francis Group. ISBN: 9781003247890
- A research paper, *Impact of Post-Processing Technologies in Additive Manufacturing for Aerospace Applications – A review*, *Iranian Journal of Chemistry and Chemical Engineering*



**14 Dr. Umesh Vishwakarma** published a Book Chapter, *Wear Analysis and Microstructural Characterization of Al-MMC Manufactured by Stir Casting in Advances in Engineering Research and Application*, ICERA 2022.



**15 Dr. Bhupesh Dewangan** published a Book Chapter with Springer Nature Singapore Pte Ltd entitled *Route Optimization for Waste Collection*.





## (D) Achievements

**1 Dr. Bhupesh Dewangan** delivered a talk in the webinar on *E-Waste Management* at Professional Activity Club, Bhilai Institute of Technology, During on 12 Nov 2022.

- Delivered an expert talk on *Cloud Computing and its Application* at Maharaja Agrasen International College, Raipur on 23 Nov 2022.

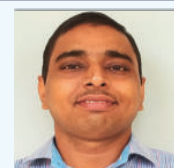
- Presented of a proposals to “CGCOST” panel at Chhattisgarh Council Of Science And Technology CGCOST Raipur, Chandigarh on November 23, 2022



**2 Dr. Saroj Kumar** received the Ph.D award from the National Institute of Technology, Rourkela for his research in the area of *Robotics*.



**3 Dr. Kuber Nath Mishra** received the Ph.D award from the the National Institute of Technology, Raipur for his research in the area of *Solar Energy*.



**4 Dr. R. S. Singh** delivered an invited talk on *Graphene Preparation Using Shellac for High Performance Supercapacitors and Fuel Cells* on 4 December 2022 in virtual mode in the 4th Sino-Singapore Surface Science Annual Conference organized by National University of Singapore.



**5 Dr. Deepak Patel**, Scientific Officer, Metallurgy Dept., attended a workshop on *Advances in Additive Manufacturing (3D Printing)* at IIT Jodhpur from December 6-9, 2022.



**6 Dr. Jayprakash Rath** had been invited as Key note speaker at National Seminar on 28 December 2022.by Dr. Ambedkar Memorial Institute Of Information Technology & Management Science on the topic *Emerging Trends in Green Initiative : A Pledge for Sustainable Journey (ETGI - 2022)*.



**7 Prof. Asimkiran Dandapat** developed a module titled IoT AI & ML with Intel Integrated B. Tech. (CSE) with the INTEL-FICE program which was delivered from 5-23 December, 2022.

**8** **Dr. Mukesh S. Desai** for successfully completing a 2-weeks online certification course on *Entrepreneurship*, organised by Turnip Innovations during 30 November – 13 Dec 2022.

He completed the FDP DST -2022 on *International Faculty Development Program on Synopsis, Dissertation, Thesis Drafting and Publication Process*, organized by ERU-USA from 6-14 Dec, 2022.



**9** Centre for Corporate Education and Training (CCET) successfully completed 6 days' duration training of 5 varied titles to new Joinee Diploma holders of JSPL Raigarh. The training was conducted in physical mode by various faculty members of the university



## Editorial Team

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**Dr. Abhilasha Chaudhuri**  
Assistant Professor, Department of CSE,  
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**Dr. Imran Ahmad Quadri**  
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# OP Jindal University

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