



**OPJU**

UNIVERSITY OF STEEL TECHNOLOGY  
AND MANAGEMENT

# Internal Quality Assurance Cell (IQAC)



## Annual Report 2021-22

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**OP JINDAL UNIVERSITY**

OP Jindal Knowledge Park, Punjipathra, Raigarh - 496109, (C.G.)

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## Introduction:

The prime task of the IQAC is to develop a system for conscious, consistent & catalytic improvement in the overall performance of the University. It channelizes all efforts & and measures of the university towards promoting its holistic academic excellence. Since quality enhancement is a continuous process, the IQAC is a part of the university system and works towards the realization of the goals of quality enhancement and sustenance.

## Key Duties:

Followings are the key duties of IQAC in the University:

- ❖ Effective Leadership
- ❖ Decentralization and Participate Management
- ❖ Perspective/Strategic Plan
- ❖ Administrative Setup and e-governance
- ❖ Productiveness of University bodies/ Cells/Committees
- ❖ Sponsorship
- ❖ Career Development
- ❖ Co-curricular and extracurricular activities
- ❖ Academic Administrative Audit (AAA)
- ❖ Participation in various Accreditation and Rankings

## Strategic Plan:

IQAC shall evolve mechanisms and procedures for:

- ❖ Ensuring Timely, Efficient and progressive performance of Academic and Administrative.
- ❖ The relevance and quality of Academic and research programs.
- ❖ Equitable access to and affordability of Academic Programs for various section of society.
- ❖ Optimization and integration of modern methods of teaching and learning.
- ❖ The credibility of evaluation procedures
- ❖ Ensuring the adequacy, maintenance and functioning of the support structure and services
- ❖ Research sharing and networking with other institutions.

## Function of IQAC:

IQAC shall evolve mechanisms and procedures for:

- ❖ Setting up quality benchmarks and parameters with consistent work for different academic, financial and administrative activities/goals of the University.
- ❖ Facilitating the creation of a learner-centric environment conducive to quality education and enabling faculties to adopt ERP tools to promote a participatory teaching-learning process and innovation in education.
- ❖ Encouraging feedback from all the stakeholders on quality-related institutional processes.
- ❖ Documenting various quality improvement programs and activities.
- ❖ Organizing various workshops & seminars for the quality education environment
- ❖ Periodical conduct of Academic and Administrative Audits along with their follow-up
- ❖ Developing a quality culture in the University.

## Benefits of IQAC:

IQAC shall evolve mechanisms and procedures for:

- ❖ IQAC ensures clarity of the work processes and enables the stakeholders to “re-think” the current work processes.
- ❖ Continuous performance evaluation and assessment align the quality of education with global standards.
- ❖ IQAC ensures better collaboration between various departments of the university and eliminates the communication gap with frequent evaluation and feedback from the stakeholders.
- ❖ Building a sound methodology for documentation and internal communication.
- ❖ IQAC encourages to motivates faculty members to focus on R&D and makes them future-ready by empowering
- ❖ IQAC verifies all the documents, evidence, and facts and resolves the challenges faced by the university
- ❖ IQAC introducing project-based and service-based learning that teaches students the importance of practical knowledge.
- ❖ IQAC provides a globalized platform to students by inculcating the “think locally- act globally” mind-set.

**OPJU**UNIVERSITY OF STEEL TECHNOLOGY  
AND MANAGEMENT

## IQAC Committee:

S. No.	Designation	Name of the Person
1	Chairman	Dr. R. D. Patidar, Vice - Chancellor, OPJU
2	Director-IQAC	Dr. Ashok Bhansali, Professor & HOD, CSE
4	Senior Member of Administration	1. Dr. Anurag Vijaywargiya, Registrar
		2. Mr. Claud Mathew, Director – Administration Officer
5	Member Nominated by the Governing Body	Dr. B. K. Sthapak, Member of Governing Body Founder Chancellor, OPJU
6	Representatives of Students	1. Mr. Sakshee Mishra, BSc - 5th Semester (SoS)
		2. Mr. Shushant Mishra, B.Tech- 5th Semester (SoE)
		3. Mr. Deepak Pandey, MBA - 1st Semester (SoM)
7	Representatives of Alumni	1. Mr. Gagan Wasan, President Alumni Association, OPJU
		2. Mr. R. P. Pandey, DGM (HR), JPL, Tamnar
		3. Mr. Kiran Singh, M.Sc. (Physics)
8	Representatives of Industry	1. Mr. B.K., CEO, MSP Raigarh
		2. Mr. Rajesh Singh, VP (HR and IR), TRL, Krosaki Belpahar
		3. Mr. S.S. Rathi, Director, NSPL, Raigarh
9	Representatives of Employer	1. Mr. Pankaj Lochan, Executive Director & Group CHRO, JSPL Raigarh C.G.
		2. Mr. Nilesh Shah, JSPL
10	Representatives of Parents	1. Dr. Yugal Kishor Chandra (SoS)
		2. Mr. Rajender Singh Jhangra (SoM)
		3. Mr. P. N. Patel (SoE)
11	Representatives of Teachers	1. Dr. Girish C. Mishra Professor & Asst. Dean- SoS
		2. Dr. S. Nayak, Professor & Asso. Dean - SoM
		3. Dr. Ashok Kr. Shrivastav, Professor & Head-Metallurgical Engg.

		4. Dr Srikant Prasad, Asso. Professor & Head, EE
		5. Dr. Siddharth S. Chakrabarti, Professor, Mechanical
		6. Dr. Mahasakti Mahamaya, Sr. Assistant Professor, Civil
		7. Dr. Mukesh S. Desai, Associate Professor, Mechanical
12	Librarian	Dr. Manish Sharma
13	Dy. Director- Sports	Dr. Amit Paras
14	Hostel Warden	Dr. Surendra Dwivedi

## Meetings Conducted:

2021-22

Sl. No.	Meeting Date	Discussion Points
1.	10/01/2022	1. Ranking and recognition initiatives (NAAC, NIRF, AICTE CII Survey, etc.). 2. Online teaching learning assessment- initiatives and challenges. 3. Extra and Co-curricular activities. 4. Recruitments and retention 5. Introduction of new courses from session 2022-23 6. R&D, MOUs and Collaborations 7. Placement activities 8. Long term internships 9. NEP implementations



## Activities conducted:

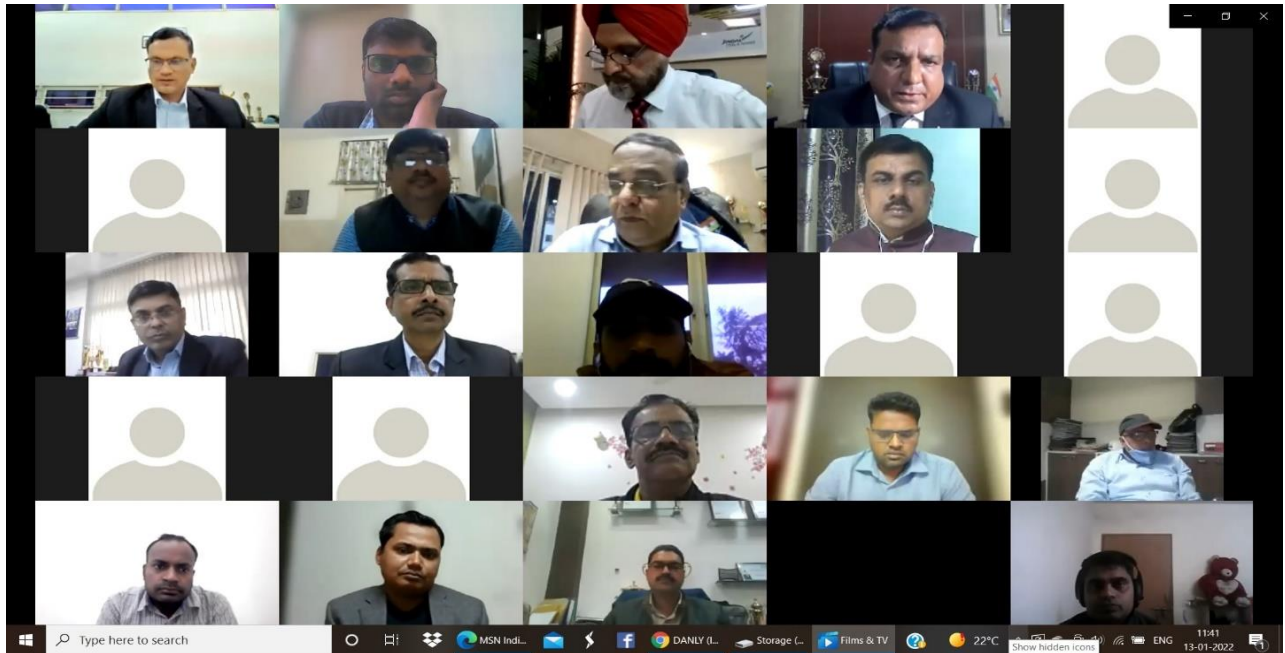
### 1. Five Days Training Program On “Advanced Welding Technology”

The Centre of Excellence in Welding Technology (CoEWT) at OPJU in association with the Department of Mechanical Engineering, Center for Industry-Academia collaboration (CIAC), HRD Centre and Academic Staff College (ASC), OPJU, and Fronius India Private Limited, Pune have jointly organized a Training Programme (Certificate Course) on “Advanced Welding Technology” from 6<sup>th</sup> to 10<sup>th</sup> December 2021. The training covered various topics namely- Introduction to advanced welding, Inverter technology, MIG, TIG, and MMAW Practice on virtual welding simulators & physical welding machines and introduction to welding defects. The training was attended by industry persons from esteemed organizations such as Jindal Power Limited, Steel structural division, OP Jindal Community College, JSW, and others.



2. The Centre for Industry-Academia Collaboration in association with the Department of Electrical, Mechanical & Metallurgical, and Materials Engineering, IQAC has organized an online one-day workshop on "**Design and Development of Industry Aligned Curriculum**" on January 12, 2022, from 10.30 AM to 1.00 PM to discuss and implement an industry-linked curriculum for the ongoing B. Tech program in the departments. This workshop aimed to bring Industry-Academia Professionals to a single platform to discuss the needs and latest technologies implemented in the industry and to take suggestions from them to modify the

existing curriculum aligned to the industry and make students employable, especially for JSPL group companies.



- The Department of Civil Engineering in association with CIAC organized a session on "Bridge Engineering" on 12th March 2022. Mr. Ashish Sharma, Senior Engineer, Jacobs discussed in detail the key aspects related to the basics of Bridge Engineering, opportunities and skill set required in the field. The session was attended by 150+ participants.




**Department of Civil Engineering**  
 in Association with  
**Centre for Industry Academia Collaboration**  
 OP Jindal University, Raigarh  
 organizes

**Guest Lecture on**  
**Bridge Engineering**  
**An Overview**

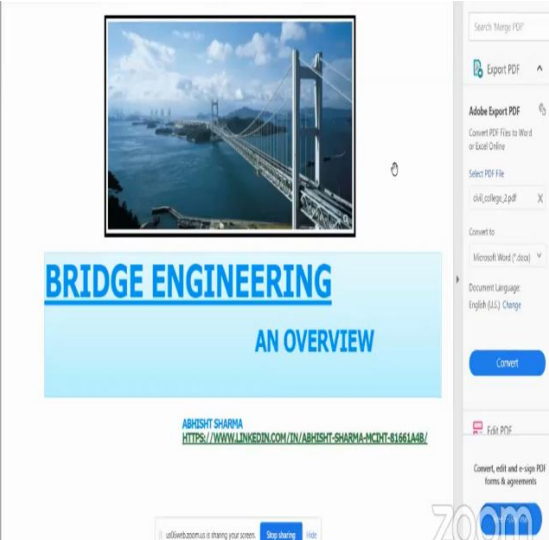
**Speaker**  
**Mr. Abhisht Sharma**  
 Assistant Senior Engineer (Bridges)  
 Jacobs

**Facilitator**  
**Prof. Vinod Nagpure**  
 Head  
 Dept. of Civil Engineering, OPJU

**Moderator**  
**Dr. Swapsnarit Kar**  
 Assistant professor  
 Dept. of Civil Engineering, OPJU

**March 12, 2022 (Saturday)**  
**11:00 AM**

Link to join the session : [bit.ly/3CarsCS](https://bit.ly/3CarsCS)



**BRIDGE ENGINEERING**  
**AN OVERVIEW**

ABHISHT SHARMA  
[HTTPS://WWW.LINKEDIN.COM/IN/ABHISHT-SHARMA-MCIRT-416614AB/](https://www.linkedin.com/in/abhisht-sharma-mcirt-416614ab/)

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 Export PDF  
 Adobe Export PDF  
 Convert PDF Files to Word or Excel Online  
 Select PDF File  
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 Microsoft Word (.docx)  
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 English (US) Change  
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 Convert, edit and e-sign PDF forms & agreements

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zoom



4. A meeting of CSIR-Institute of Minerals and Materials Technology (IMMT) Bhubaneswar, Jindal Power Limited Tamnar, and OP Jindal University Raigarh was organized through ZOOM on 03.02.2022 at 4.30 – 5:30 PM. The meeting was attended by Shri Chavinath Singh, Executive Director & Plant Head, JPL Tamnar, Mr. R D Katre, Vice President, JPL Tamnar, Dr. P. K. Senapati, Head, D&PE, with his team from CSIR-IMMT Bhubaneswar, Dr. Siddharth S Chakrabarti- Director, Centre for Industry-Academia (CIAC), OPJU, Dr. Ashok K Srivastava, Director- Center for Research Excellence (CRE), OPJU.

Dr. P. K. Senapati, Head-D&PE, IMMT Bhubaneswar made a presentation on various research facilities available in the department. He also emphasized the expertise and technical capabilities available with the department to take up possible collaborative projects with JPL. There was a detailed discussion on the opportunities to do collaborative projects within JPL, CSIR-IMMT, and OPJU.

### Overview

- Hydraulic & Pneumatic Transportation of materials
- Advanced gasification system
- Development of alternate energy sources
  - ✓ Solar/biomass drying
  - ✓ Biomass cook stoves
- Water purification system
- Other appropriate technologies



**Slurry Transportation facilities (Horizontal Test Loops)**

**Low concentration slurry pipe test loop**  
50 mm & 100 mm NB Pipes operated by Centrifugal Slurry pumps

**High concentration slurry pipe test loop**  
50 mm, 100 mm, 150 mm & 200 mm NB Pipes operated by positive displacement slurry pumps like progressive cavity, piston diaphragm, plunger & lobe pumps

**Pilot Plant Slurry Transportation Test Loop Facilities**

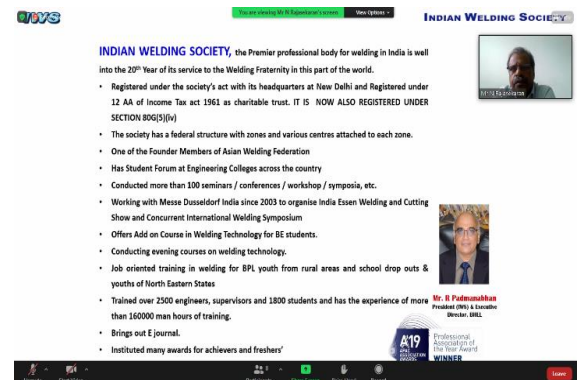
5. Centre of Excellence in Welding Technology conducted a one-week (4<sup>th</sup> to 8<sup>th</sup> Oct 2021) training Program on “Metal Joining Technology” for the final year diploma holders to develop basic skills in Welding processes. The training includes an introduction to welding processes, evaluation and selection of welding processes, safety equipment’s in welding, practice on virtual welding machines, discussion on power sources and consumables.



6. The Centre of Excellence in Welding Technology (CoEWT) at OPJU in association with the Department of Mechanical Engineering, HRD Centre and Academic Staff College (ASC), OPJU, and Fronius India Private Limited, Pune jointly organized a Training Programme (Certificate Course) on “Advanced Welding Technology” from 6<sup>th</sup> to 10<sup>th</sup> December 2021. The training was attended by industry persons from esteemed organizations such as Jindal Power Limited, Steel structural division, OP Jindal Community College, JSW, and others.



7. The CoEWT organized an online expert talk on "Welding Economy and Productivity with Case Studies" delivered by Mr N Rajasekaran, Hon Secretary, Indian Welding Society (IWS) on 10<sup>th</sup> December. During the session, he primarily focussed on the advancements in welding technology. During the session economy of welding was also discussed and one very innovative term “Wastivity” has also been introduced.

**INDIAN WELDING SOCIETY**, the Premier professional body for welding in India is well into the 20<sup>th</sup> Year of its service to the Welding Fraternity in this part of the world.

- Registered under the society's act with its headquarters at New Delhi and Registered under 12 AA of Income Tax act 1961 as charitable trust. IT IS NOW ALSO REGISTERED UNDER SECTION 80(G)(1)(v)
- The society has a federal structure with zones and various centres attached to each zone.
- One of the Founder Members of Asian Welding Federation
- Has Student Forum at Engineering Colleges across the country
- Conducted more than 100 seminars / conferences / workshop / symposia, etc.
- Working with Messe Dusseldorf India since 2003 to organise India Essen Welding and Cutting Show and Concurrent International Welding Symposium
- Offers Add on Course in Welding Technology for BE students.
- Conducting evening courses on welding technology.
- Job oriented training in welding for BPL youth from rural areas and school drop outs & youths of North Eastern States
- Trained over 2500 engineers, supervisors and 1800 students and has the experience of more than 160000 man hours of training.
- Brings out E Journal.
- Instituted many awards for achievers and freshers'

**Mr. R. Padmanabhan**  
President IWS & Executive Director, IWSL

Professional Member of the Year Award WINNER

8. CoEWT also helped students to prove the concept of Experiential learning-“learning by doing” and the journey started with Team "Solaric" representing the OP Jindal University in Electric Solar Vehicle Championship- 2019 & 2020. Now the "VIDYUT" TEAM has carried the torch ahead and has started their work for the fabrication of Formula Car and will be representing upcoming national events shortly.

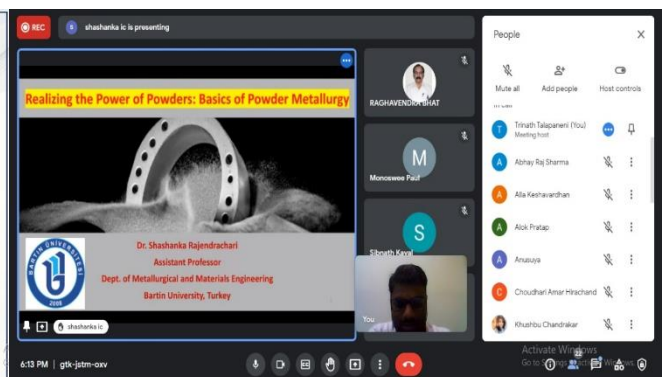




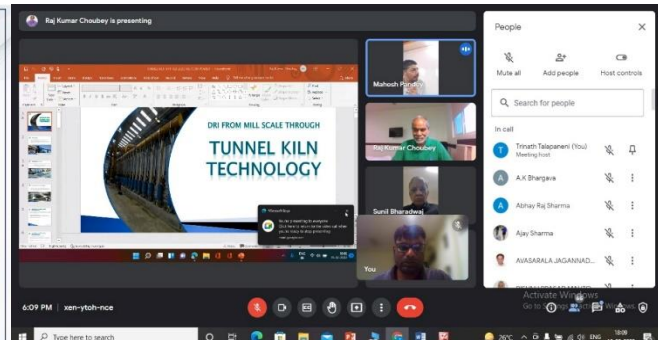
9. The Centre of Excellence in Welding Technology (CoEWT), a vertical of the Centre for Steel Technology and Product Development, has already signed an MoU with Association of Welding Products Manufacturers (AWPM) and The Indian Institute of Welding (IIW) Kolkata. The partnership has been made for promoting and strengthening academic excellence in various areas of welding science education and certified training by mutual exchange of information and technological development, putting joint efforts in conducting technical sessions, workshops, industry-oriented training programs, seminars and conferences, training and certification schemes, welding research & development activities and disseminating technical information.



10. Conducted ASM Technical Talk on the topic “**Realizing the Power of Powders: Basics of Powder Metallurgy**” and it is delivered by **Dr Shashanka Rajendrachari** on 10 January 2022.



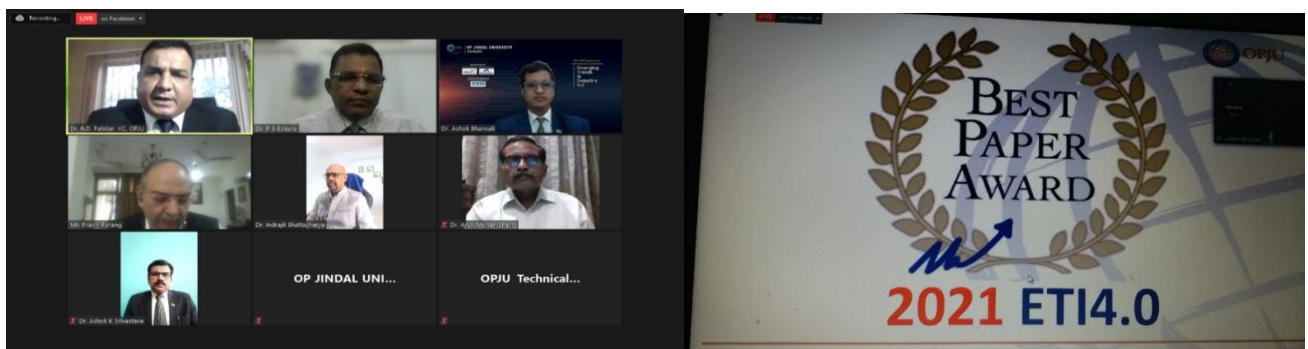
11. Conducted ASM Technical Talk on the topic “DRI from Mill Scale through Tunnel Kiln Technology” and it is delivered by **Mr Raj Kumar Choubey** on 15 Feb 2022.



12. Conducted ASM Technical Talk on the topic “Influence of Different Processing Techniques on Mechanical Properties of Lightweight Materials and Steel” and it is delivered by **Dr Lailesh** on 25 March 2022.

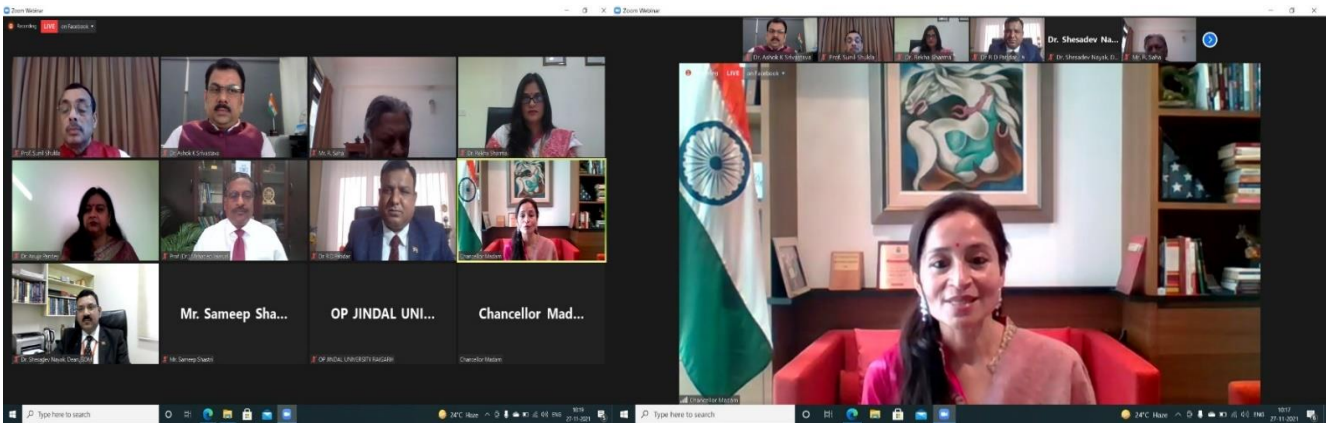


13. A three days International Conference between May 19 - 21, 2021 on “Emerging trends in Industry 4.0-ETI 4.0” has been organized on virtual mode. The purpose of this conference was to promote all aspect of Industry 4.0, share updated information and promote from academia, Government representatives, Industry and corporate to researchers and policy makers and a common platform was to be provided to all the stakeholders. In this conference, 20 prominent speakers from the country and abroad gave their views and more than 500 academicians, scholars, engineering, science and management students were joined as participants.





14. The 2nd International Conference on Role of Innovation Entrepreneurship and Management for Sustainable Development organised by OP Jindal University in association India Case Research Centre-All India Management Association & Chhattisgarh Chambers of Commerce and Industries on November 27-28, 2021 at Raigarh, Chhattisgarh. Over the two days the International Conference pop-up think tank brought together practitioners and specialists for a critical examination of the role of innovation entrepreneurship and management for sustainable development. It is indeed a very successful event with more than 100 invited luminary speakers and guest of honours from diversified field across the globe graced this international conference with their presence. We have received 158 extended abstracts and full papers for this international conference out of which 81 full papers were accepted for presentation. There were 76 presenters from various countries present their research findings in different sub themes of management such as Marketing, HR, General Management, entrepreneurship, economics, operation and case studies.



15. East Zone Inter-University Chess Championship (M/W) for the year 2021 - 2022 was hosted by OP Jindal University, Raigarh (Chhattisgarh) from 20<sup>th</sup> to 23<sup>rd</sup> December, 2021 and the Venue was OPJU Multipurpose Hall. The Tournament was Inaugurated by Shri Umesh Patel Hon' able Minister (Higher Education & Skill Development, Science and Technology and Sport & Youth Development, Chhattisgarh) on 20<sup>th</sup> December, 2021 at O P Jindal University, Raigarh. Closing and Prize Distribution ceremony held on 23<sup>rd</sup> December' 2021 at 2:00 PM. at OPJU campus. The Chief Guest for the Closing Cermoney was Hon'ble Vice Chancellor, Dr R D Patidar, O P Jindal University, Raigarh and other dignitaries are Prof. Anurag Vijaywargiya, Registrar, OPJU, Dr Sanjit Sardar, Observer, AIU, have graced the occasion by their motivational speech.



## Awards & Achievement by the University:

- Established a Centre for Sustainable Technology and Product Development (CSTPD) with verticals as CoE Steel Technology, Industry 4.0, Weld 4.0 and Logistic 4.0
- Established ASM International USA, Eastern India Chapter
- Established ASC student chapter
- Successfully Implemented the concept of “The One Thing” and achieved our first The One Thing for the Year 2021-22 i.e., to Achieve 1600+ student strengths.
- Launched OPJU Business Journal
- Received the DSIR Certification. Now on there will be no GST charge on imported goods.
- Successfully applied for the Import and Export code (IEC) and received the approval.
- Successfully applied for AERB certification and received the approval.
- Received AICTE approval for the academic year 2021-22.



# Awards & Recognitions

**Best Industry Linked Emerging Engineering Institute**

**Best Industry Linked Mechanical & Allied Engineering Institute**

 **CII** 10<sup>th</sup> AICTE-CII Award 2021



**University of experiential learning**

at The Progress Global Awards 2021



**Best Industrial Interface University**

By ISIE India, 2021



**Most Promising University in Research & Development**

By Ardor Comm Media, 2021



**Best Private University in Chhattisgarh**

at The Progress Global Awards 2020



**Emerging University in India**

at 14<sup>th</sup> World Education Summit 2019, New Delhi



**India's Most Trusted Technical University**

at India's Most Trusted Brands, companies and Education Awards 2019, New Delhi



**Cleanest Higher education Institute**

Under Residential University Category by MHRD, 2019



**Emerging University of Steel Technology and Management**

at The Progress Global Awards 2019

