

Annual Report 2021-22 [OP Jindal University, Raigarh], U-0832

A) About IIC Institute

- Vision / Mission of IIC established at the Institute
- To create a vibrant local innovation ecosystem.
- Start-up supporting Mechanism in HEIs.
- Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework.
- Establish Function Ecosystem for Scouting Ideas and Pre-incubation of Ideas.
- Develop better Cognitive Ability for Technology Students.

Functions of IIC

- To conduct various innovation and entrepreneurship-related activities prescribed by Central MIC in time bound fashion
- Identify and reward innovations and share success stories
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators
- Network with peers and national entrepreneurship development organizations
- Create an Institution's Innovation portal to highlight innovative projects carried out by institution's faculty and students
- Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries

Journey of IIC established at the Institute



OP Jindal University Raigarh, Chhattisgarh

Building Innovation Ecosystem in OPJU



The IIC has been established in the year 2018-2019 and this year the council has organised more than 54 activities covering IIC calendar, MIC, Self-driven and Celebration activities. The council has already implemented NISP within the University, established the OPJU innovation center, achieved the “Performer Band” in ARIIA 2021, Best innovative Poster award in the IIC Regional meet at Kolkata.

For details: Please visit

https://www.opju.ac.in/iic_opju

- **Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.**

The students and faculty members from three different schools of the university i.e. School of Engineering, School of Science and School of Management participate in various activities. Moreover, speakers from different industries and institutes deliver their expertise in order to create innovation & entrepreneurial ecosystem.

A. Brief mention of key functionaries at the IIC Institute

President	Dr. R. D. Patidar, Vice Chancellor, OPJU
Vice President	Dr. Siddharth S Chakrabarti, ME
Convener	Dr. Saket Jeswani, SoM
Co-Convener	Dr Deepayan Priyadarshi, CE
Innovation Activity Coordinator	Dr. I.A. Qadri, EE

Start-up Activity Coordinator	Dr Vikas Kumar, SoM
Internship Activity Coordinator	Dr. Swapnasarit Kar, CE
IPR Coordinator	Dr Satish Kanhed, ME / Dr. Sandeep Biswal, EE
Social Media Coordinator	Prof Umashankar Pandey, CSE
ARIIA (Atal Ranking of Institutions on Innovation Achievements) Coordinator	Prof Akash Pandey, ME/Dr. R.S. Singh, SoS
NIRF Coordinator	Dr Deepak Singh, EE /Dr Ajit Singh, ME
Patent Expert/IP Expert	Adv. Swapnil Gawande, Director: BLI Consultancy Pvt. Ltd.
MIC Activity Coordinator & Member	Dr Trinath Talapaneni, MME
Innovation Ambassador & Member	Dr Sanjay Singh, Humanities
Innovation Ambassador & Member	Mr Bhupendra Tripathi, SoM
Innovation Ambassador & Member	Dr Himanshu Vaishnaw, SoM
Innovation Ambassador & Member	Dr Rekha Sharma, SoM
Start-up Alumni Entrepreneur	Amit Patel, CEO Chalbo India Private Limited
Expert from nearby Industry/Industry association/Ecosystem Enablers	Mr Ramdas Katre, EVP, JPL Tamnar

B. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution

- Total No. of IIC Members - 22
- Total No. of IAs - 13
- Total No. of faculty Mentors - 4
- Pre-Incubation Units – 1 (<http://innovation.opju.ac.in/>)
- Incubation Units – 1 (<http://innovation.opju.ac.in/>)
- IP Facilitation Unit - 1

C. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind, and Student bodies/clubs engaged in the promotion of Innovation and Entrepreneurship in the campus.

Infrastructure = We have 2000 sq ft office space including FAB Lab
Airconditioned office space with wifi facility, electric & water supply

Facilities – Fab Lab with advanced equipment for prototyping like 3D printer, CNC router, laser cutting machine etc. Pre-incubation facility for startups & innovators.

Student members/Volunteers – Total 17 students of different schools of the university are involved in various activities of the innovation center.

Student Clubs – Various clubs related to innovation has been established to coordinate & conduct activities for students.

OPJU Innovation Center has also applied for Atal Community Innovation Center (ACIC) this year.



D. Highlight Achievements (Narrative/Graphical/tabular representation)

- Number and Different types of I&E and IPR activities Conducted - 52
- No. of student's & faculty ideas generated - 28
- No. of student's & faculty Innovation/prototypes developed - 7
- No. of IPs generated, published and granted – 25 (Published & Granted – 21)

- No. of Student & Faculty Start-ups/Ventures established - 11
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus - ₹7,921,127.00
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR - ₹6,080,646.00
- No. of Technology Transfer and Commercialisation happened - 1

E. Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum
 [Profile of few faculties with 2-3 line of their achievements]

Smart India Hackathon 2022 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. OP Jindal University Hackathon team #CyberKnight has participated in "Smart India Hackathon 2022". Two IIC faculty members Prof R N Shukla & Dr. Nitesh Bhardwaj participated in this event along with six students of the university.



A Gyanesh Rao- M Tech Mechanical pitched his product at Defense Expo organized by DST and CII



Prof. L.R. Bhandarkar, Associate Professor. Department of Mechanical Engineering received a project grant from Unnat Bharat Abhiyan (UBA) an initiative of MHRD, Govt. of India under "Rural Craft and Artisans Development". The title of his project is "Filing Machine Tool".



Prof. L.R. Bhandarkar
Associate Professor - Mechanical

Dr. Mithilesh Kumar Sahu, Dr. S S Chakrabarti, Manish Patel et.al, Department of Mechanical Engineering have received the best paper award for their work titled "Experimental Investigation of Blower Speed and Number of Nozzles Effect on Cooling Tower Performance" in the technical session of 5th International Conference on Advances in Steel, Power & Construction Technology, organized by OPJU during 15th to 17th June 2022.

Dr. Sibnath Kayal, Dr. S. Das, Dr. T. Talapaneni and Prof. N. Acharjee, got approval for a research–cum-consultancy project on 'Fly-Ash Waste Utilization in the Sustainable Development of Geo-polymers for the Potential Environmental-friendly Applications' from JPL, Tamnar.



Dr. Sibnath Kayal
Professor, Metallurgy



Dr. S. Das
HOD & Steel Chair Professor, Metallurgy



Dr. T. Talapaneni
Sr. Asst. Professor, Metallurgy



Prof. N. Acharjee
Sr. Asst. Professor, Metallurgy

Dr. S. Das, Dr. T. Talapaneni, Prof. N.K.Verma, got approval for a research–cum-consultancy project on 'Preparation of a high-temperature non-sticky refractory-based coating material with a low wear rate for use in a rotary kiln to avoid accretion formation and to improve its refractory lining life' from JSPL, Raigarh.



Dr. S. Das
HOD & Steel Chair Professor, Metallurgy



Dr. T. Talapaneni
Sr. Asst. Professor, Metallurgy



Prof. Niraj Kumar Verma
Sr. Asst. Professor, Metallurgy



Dr. Rajesh Jha
Associate Professor, Metallurgy

OP Jindal University congratulates Dr. Bhupesh Kr Dewangan for publication of research paper entitled "Preventive measurement and Prediction of Covid-19 in India through Business Intelligence" in IEEE Conference, Turkey and research paper entitled "Comparative analysis of classifiers for the assessment of Respiratory disorders using Speech parameters" in Archives of Acoustics, SCI Indexed Journal.



Dr. Bhupesh Kr. Dewangan
Asst. Professor, CSE

F. Highlight selected best Innovations & images with mention of inventor/innovation name

S. No	Project Name	Team Members/Photo
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1 Electric Solar Vehicle in 2019 (25 members from different discipline of B Tech)

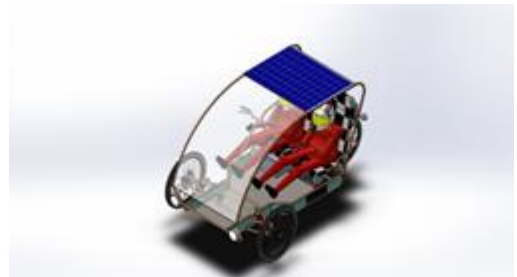


2 Electric Solar Vehicle in 2020



3 Design and development of Efficycle

Mr Arnav Mankar & Team (15 members)



4 Pipe Bending Machine



Mr Shreyas Upadhyay & team (5 members)



5 Solar Bicycle

Mr Akash Pandey and team (5 members)



6	Development and fabrication of exhaust gas analyser	Mr Rahul Singh & Team (4 members)	
7	Hand gesture Robotic arm	Mr Nikhil Prasad, Fanishwar Prasad, Sohel Kumar, Vikash Malik	

Team "VIDYUT" from OP Jindal University have reached Buddh International Circuit, Greater Noida with their "F1 Car" and participated in SAE-SUPRA student formula contest. The car is entirely designed and fabricated by the students. The vehicle got 34th rank out of 132 teams and performed well and the only team from Chhattisgarh who have reached the final round.



G. Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

- **Mitti Agrotech organics pvt ltd**
 Agriculture & Rural Development, Waste Management/Waste to Wealth Creation, Sustainable Environment
Team Lead
Deepayan Priyadarshi
- **Arthashastra Intelligence Databases Private Limited**
 Software - Web App Development

Team Lead

Harsha Vardhan Pasumarthi

- **Chalbo India Private Limited**

Mobile App Development, Travel & Tourism

Team Lead

Amit Patel

H. List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation)

- **Smart Web App for Enhancing Tourism and related Revenue in Chhattisgarh**

Software - Web App Development, Travel & Tourism

Team Lead

Dr. Nitesh K Bharadwaj

- **Drone (Multipurpose)**

Agriculture & Rural Development, Robotics and Drones, IoT based technologies (e.g. Security & Surveillance systems etc), Defence & Security,

Team Lead

Somesh Chandra

- **Ticketless Entry System To Monuments Using Barcode Technology**

Travel & Tourism

Team Lead

Abhishek Agrawal

I. **Participation of IIC-institute in various programs of Central and State Govt. Highlighting especially for the schemes or programs**

- ARIIA – participation and Rank

OPJU Institutional Innovation Council (IIC) under the Ministry of Education- 'MoE's Innovation Cell (MIC)' has submitted the data for the Atal Ranking of Institutions on Innovation Achievements (ARIIA)-2021 a scheme of AICTE. In the year 2021, out of 1430 Universities/Institutes, OPJU applied for the first time and bagged a position in the Band Performer. OPJU stood in the first 40 universities & Deemed to be the Universities (Private/Self-Financed) category. Also, under the dynamic leadership of Dr. R D Patidar, Vice-Chancellor & the President-IIC, the University has also established an incubation center- "OPJU innovation center" at OPJU Campus to promote startup, entrepreneurship, and innovation within Chhattisgarh state and outside. (https://www.opju.ac.in/iic_opju.php)



- IIC OP Jindal University received the **"Best Creative Poster Award"** at Institution's Innovation Council (IIC) Regional Meet, Kolkata conducted by the Ministry of Education (#MoE) and #AICTE, New Delhi, and organized at GNIT, Kolkata on 2nd Aug 2022.

The meet was attended by 90+ IIC institutes/Universities & 400+ participants that included IITs, NITs, and IIMs and institutes from Odisha, Chhattisgarh, Jharkhand, West Bengal, and others covering the eastern region of the country. The council is playing an instrumental role in creating and sustaining the movement of Innovation and Startup culture development at the University.



- **NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation**

Vision:

To develop a resourceful innovation and start-up ecosystem and facility that will nurture innovative, socially relevant ventures, strengthening local and national economies and benefiting mankind at large.

Objectives:

- To enable the faculty, staff and students of the University to participate in innovation and entrepreneurship activities.
- To encourage the faculty, staff and students of the University to develop entrepreneurship and start-up as career options.
- To promote novel ideas.
- To search funding ideas, angel investors and venture capitalists.

<https://www.opju.ac.in/nisp>

- Smart India Hackathon etc.

OP Jindal University in association with the Institutional Innovation Council (IIC) and Department of Computer Science Engineering has organized an Internal Hackathon for SIH 2022, on 22nd March 2022.



Smart India Hackathon 2022 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. OP Jindal University Hackathon team #CyberKnight has participated in "Smart India hackathon 2022".

SMART INDIA HACKATHON 2022

Ministry of Education, MoE's INNOVATION CELL, Persistent, AWS, Shell

#SIH Senior Software Edition

GRAND FINALE 2022

August 25-26

TEAM NAME	
Cyber_Knight Chhattisgarh, Raigarh	
Org. Name	PS ID
OP Jindal University	GM750
TEAM DETAILS	
Abhishek Agrawal	
Shikhar Lohiya	
Monal Singh	
Sushant Mishra	
Vedika Agrawal	
Kheersagar Parja	
Prof. Nitesh Bharadwaj	
Prof. R. N. Shukla	

www.sih.gov.in



J. Detail of social media & Connections of IIC institute

<https://www.facebook.com/iicopjindaluniversity>

<https://www.linkedin.com/company/opju-institution-s-innovation-council/>

K. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell

- *"To create a vibrant local innovation ecosystem, OP Jindal University's IIC is actively participating for Atal Ranking of Institutions on Innovation Achievements Framework & implementation of NISP, to achieve this the university is conducting regular activities on innovation & entrepreneurship, which is appreciable".*

Gaurav Girija Shukla

Founder – Sangyaa PR

- *"IIC is a very vibrant platform to organize various events related to the innovation, IPR, start-up and entrepreneurship for the benefit of students and faculty members. Due to these activities, students are getting a chance to participate in various innovation related initiatives, idea competitions. IIC has given an opportunity to attend training programmes at advanced level to be recognized as Innovation Ambassador".*

Dr. Saket Jeswani

Convenor – IIC OPJU

- *"A good initiative in the form of IIC to enhance the innovation and entrepreneurship qualities in the students. I am sure it is benefitting the participants who are attending different activities organized by IIC OPJU".*

Anuj Batra

Co-Founder – Andromeida Maritime Solutions

- *"OPJU through IIC is providing a good platform for students to develop their ideas into start-ups under the guidance of the staff. A place helpful to both the students and the staff for ideas to implement".*

Saurabh Gupta

Asst. Professor, National Institute of Technology, Raipur

- *“The vision of the University is to foster innovation and entrepreneurship for the sustainable development and IIC plays an active role to fulfil the same. The students gets the opportunity to learnt about filing a Patent, organizing Start-up Technical Talks at the Department Level for the benefit of Society and attending training sessions organized by the University and MoE”.*

Dr. Siddharth S. Chakrabarti

Vice President, IIC OPJU

- *“The IIC at OP Jindal University has wide area of activities to encourage the students and faculty members to make the start-ups. It guides the young people with explaining and demonstrating through the experienced and also with successful owners of the recent start-ups”.*

Dr. Santosh Prusty

Associate Professor, Indian Institute of Management, Ranchi

- *“IIC at OPJU was established in the year 2018 with an objective to encourage and support the student community in the areas of Innovation and Entrepreneurship. I am very happy to inform that OPJU IIC is conducting several awareness programmes on IPR, funding opportunities for start-ups, organize hackathons, ideation competitions in a time bound and phased manner in line with the requirements and objectives of MoE’s Innovation Cell. The cell has created a pool of mentors who are providing the guidance and technical inputs to students for carrying out innovative projects”.*

Dr. R.D. Patidar

Vice Chancellor, OPJU & President, IIC OPJU

- *“University is a world of opportunities to learn, discover and innovate. But most importantly there needs a space for students to freely bring up their thoughts and ideas without hesitation. OPJU IIC has always been that platform for the students to do so. Being a part of IIC, I have had great experience of learning with exposure to reputed industries and institutions”.*

Avantika Tiwari

Student, MBA (Batch 2022)

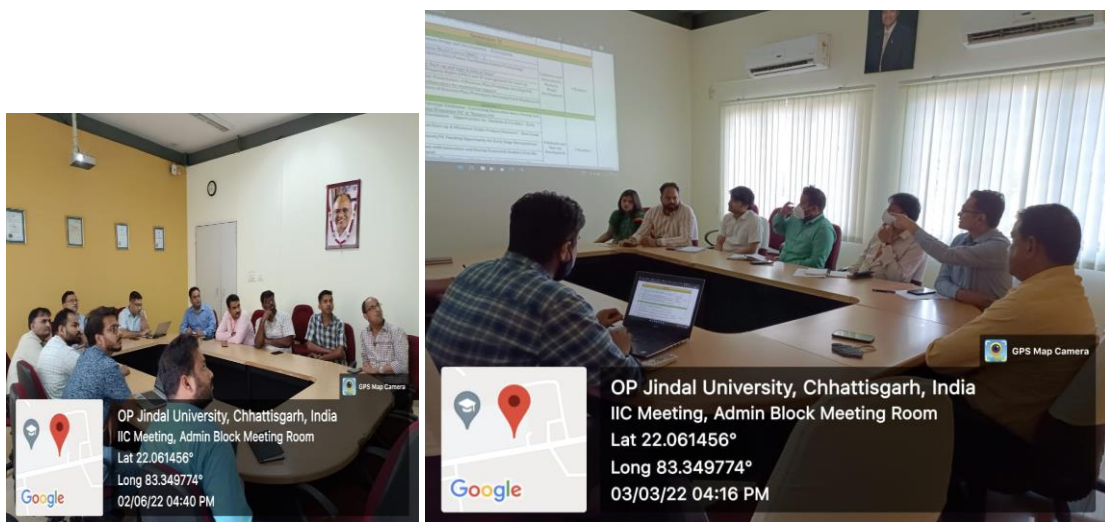
- *“The Innovation Model followed at IIC OPJU to nurture and incubate Entrepreneurs and help with building a successful business enterprise is one of the best. The Ecosystem is also one which is vibrant and work friendly, making it easier for students to scout and start working on various business ideas”.*

R.P. Pandey

Alumni, MBA (Batch 2019)

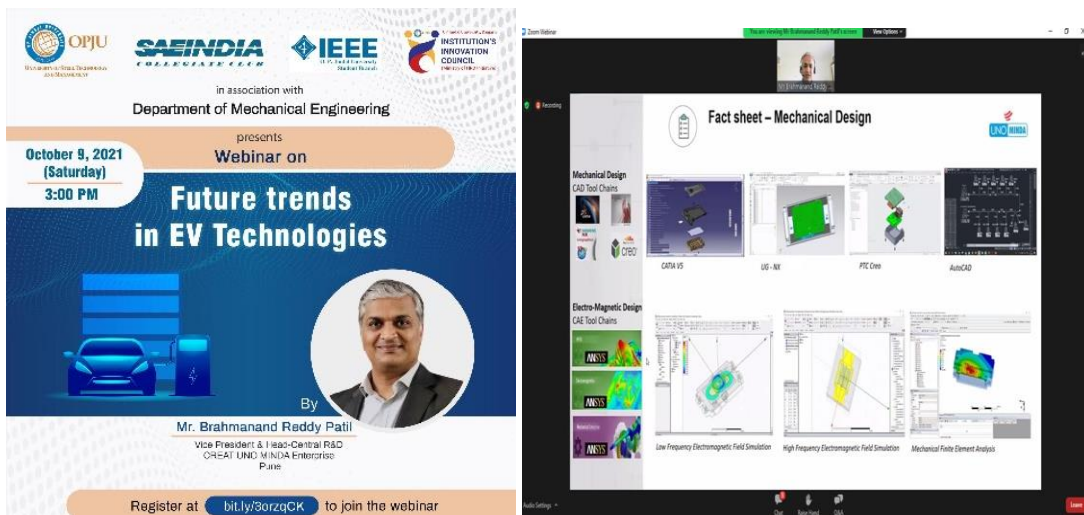
L. Images

1. The council regularly conducts meetings to decide on the IIC calendar, MIC, and self-driven activity for every quarter.

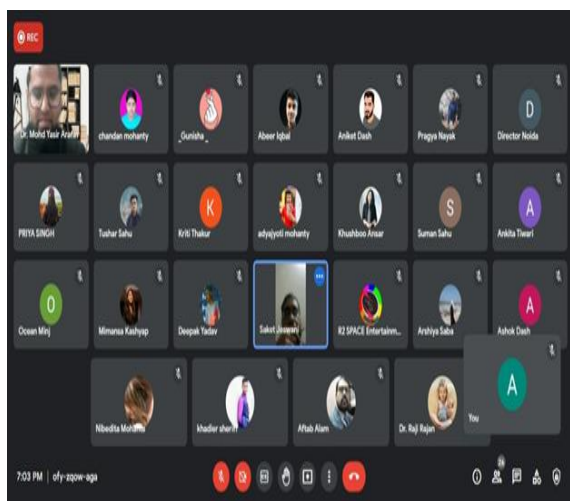




2. Department of Mechanical Engineering in association with IIC, SAE collegiate Club organized a webinar for students, startup innovators and inquisitive learners on “Future trends in EV Technologies” attended on 9th October 2021. OPJU was delighted to host Mr Brahmanand Reddy Patil, Vice President & Head-Central R&D, CREAT UNO MINDA Enterprise Pune, India as a speaker for the session. The speaker discussed electric mobility and its future. He said that the new age EV start-ups are consumer focussed and working on highly radical vehicle design. He articulated salient features of EV design which includes mechanical design, materials, software and hardware used. The session was attended by 120+ participants.

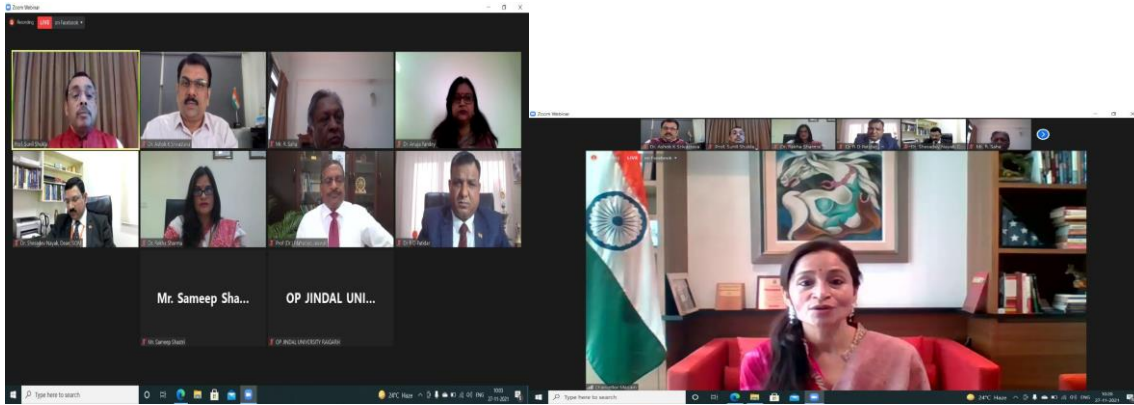


3. Dr Adil Khan & Dr Saket Jeswani, under Institution Innovation Council (IIC), organized a workshop on “Entrepreneurship & Innovation as Career Opportunity” on 22nd Nov 2021. The workshop was conducted by Dr Mohd Yasir Arafat, from Aligarh Muslim University. Total 41 students and 7 faculties participated in the workshop.



4. School of Management in association with IIC successfully conducted the "2nd International Conference on Role of Innovation, Entrepreneurship and Management for Sustainable Development". This conference was organized by OP Jindal University, Raigarh on Nov 27-28, 2021 in association with India Case Research Centre-All India Management Association & Chhattisgarh Chambers of Commerce and Industries. More than 100 full papers were presented from various countries and discussed their research findings in different sub-themes of management such as Marketing, HR, General Management, entrepreneurship, economics, operation and case studies.

The international conference started with the welcome address given by Dr. R.D.Patidar, Vice-Chancellor, OP Jindal University, inaugurated by the honorable Chancellor Smt. Shallu Jindal, Chairperson, JSPL Foundation; addressed by the Chief Guest Mr. Sameep Shastri, Chairman Institute of Governance & Leadership and Vice-chairman - BRICS Chamber of Commerce & Industry; special guest Prof (Dr.) Mahadeo Jaiswal, Director, IIM Sambalpur; guest of honour Dr. Anuja Pandey, Director, ICRC, AIMA New Delhi; guest of honour Prof. Sunil Shukla, Director, Entrepreneurship Development Institute; guest of honour Mr. R. Saha, Senior Advisor to Confederation of Indian Industries and concluded with the vote of thanks from Dr. S.Nayak, Associate Dean School of Management, OP Jindal University. The valedictory session was addressed by Prof. Raj Agarwal, Director, CME, AIMA was the chief guest, guest of honour Mr. Nishant Mishra, Senior Vice President, HR, HDFC Life Insurance Co. Ltd, report of the conference given by Dr. Jaya Prakash Rath and vote of thanks was given by Dr.Saket Jeswani, Conveners of the international conference respectively.



ओपी जिन्दल यूनिवर्सिटी में रोल ऑफ इनोवेशन, दो दिवसीय अंतरराष्ट्रीय डिजिटल सम्मेलन

सतत विकास के लिए इनोवेशन एवं उद्यमिता को बढ़ावा दे : शालू जिन्दल

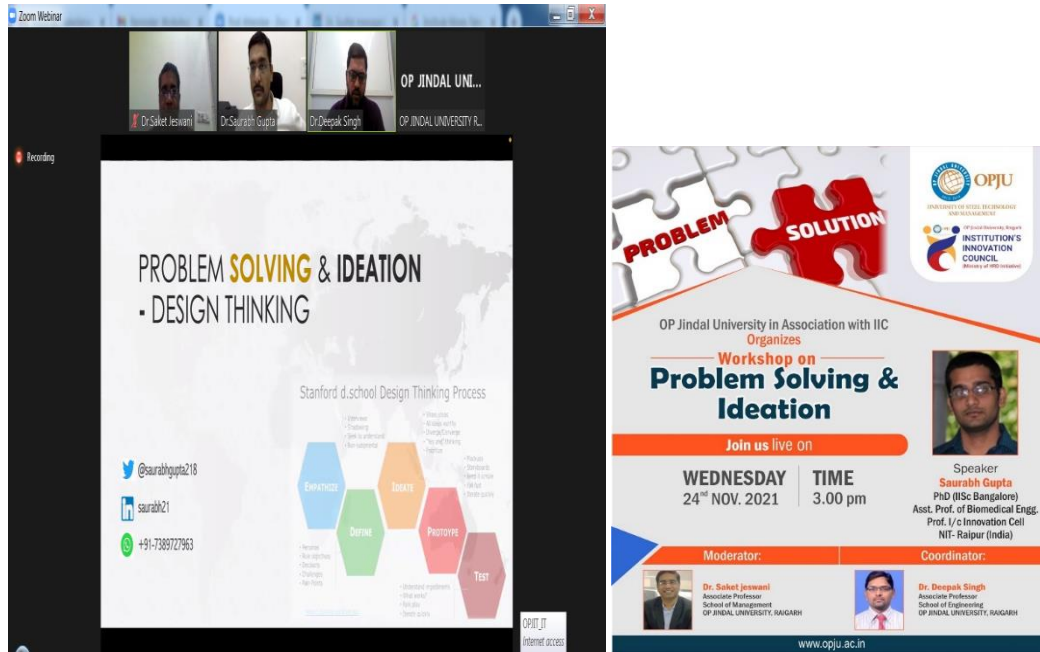
देश के अनेक शोधकर्ता एवं विद्वान कर रहे भागीदारी

www.navbharat.news

जेएसपीएल फाउंडेशन को चेयरपर्सन एवं ओपी जिन्दल विश्वविद्यालय (ओपीजेयू) की कुलाधिपति श्रीमती शालू जिन्दल ने कहा कि सतत विकास के लिए इनोवेशन, उद्यमिता एवं प्रबंधन शीर्ष प्राथमिकता हैं जो उत्पादकता बढ़ाने, उभरते बाजारों से उत्पन्न अवसरों का फायदा उठाने एवं ज्ञान संचालित प्रतिस्पर्धात्मक लाभ पैदा करने की कुंजी हैं। श्रीमती जिन्दल आज ओपीजेयू द्वारा रोल ऑफ इनोवेशन, ऑनग्रेगोरशिप एंड मैनेजमेंट फॉर सस्टेनेबल डेवलपमेंट विषय पर आयोजित दो दिवसीय अंतरराष्ट्रीय डिजिटल सम्मेलन में अपने विचार प्रकट कर रही थीं। उन्होंने कहा कि सतत विकास केवल विकासशील देशों ही नहीं बल्कि सभी देशों के लिए चिंता का विषय है, यह एक बड़ी चुनौती है और इसे प्राप्त करने के लिए आवश्यक है कि स्थानीय, क्षेत्रीय और वैश्विक स्तर पर मूलभूत मुद्दों की तुरंत पहचान की जाए। उन्होंने आह्वान किया कि शोधकर्ता और विद्वान एक साथ मिलकर सतत विकास के लिए इनोवेशन एवं उद्यमिता को बढ़ावा देने का पुनीत कार्य करें।

सम्मेलन का उद्घाटन इंडियन इंस्टीट्यूट ऑफ गवर्नंस एंड लीडरशिप के चेयरमैन एवं ब्रिक्स चैंबर ऑफ कॉमर्स एंड इंडस्ट्री (ब्रिक्स सीआईआई) के उपाध्यक्ष समीप शास्त्री ने किया। उन्होंने अपने संबोधन में कहा कि इनोवेशन सभी क्षेत्र में हो रहे हैं और यह जानना आवश्यक है कि उद्यमिता के माध्यम से सतत विकास में किस तरह से सहयोग किया जा सकता है, समय तेजी से बदल रहा है और हमें इनोवेशन और उद्यमिता की ओर ध्यान देने की आवश्यकता है, आवश्यकता है कि युवा आगे आएँ और अपने ज्ञान, इनोवेशन और उद्यमिता के माध्यम से तमाम समस्याओं का हल ढूँढ़ें। ऑल इंडिया मैनेजमेंट एसोसिएशन के सहयोग से आयोजित इस अंतरराष्ट्रीय सम्मेलन का उद्देश्य इनोवेशन, उद्यमिता एवं प्रबंधन से जुड़े सभी स्टैक होल्डर्स को एक मंच पर लाना और सतत विकास में उनकी भूमिका पर चर्चा करना है। सम्मेलन में आईसीआरसी, एआईएमए नई दिल्ली को निदेशक डॉ. अनुजा पांडे, उद्यमिता विकास संस्थान-अहमदाबाद के महानिदेशक प्रो. सुनील शुक्ला, भारतीय उद्योग परिषद (सीआईआई) नई दिल्ली के वरिष्ठ सलाहकार आर. साहा, आईआईएम-संबलपुर के निदेशक प्रोफेसर (डॉ.) महादेव जायसवाल, ओपीजेयू के कुलपति डॉ. आरडी पाटीदार एवं सीआईआई के निदेशक व ओपीजेयू में मेटालर्जिकल व मैटीरियल इंजीनियरिंग के विभागाध्यक्ष डॉ. अशोक श्रीवास्तव समेत अनेक गण्यमान्य लोग भाग ले रहे हैं। इस अवसर पर डॉ. पाटीदार ने स्वागत करते हुए कहा कि सतत विकास के लिए इनोवेशन, उद्यमिता पर प्रबंधन ने जीवन की गुणवत्ता पर ध्यान दिया है।

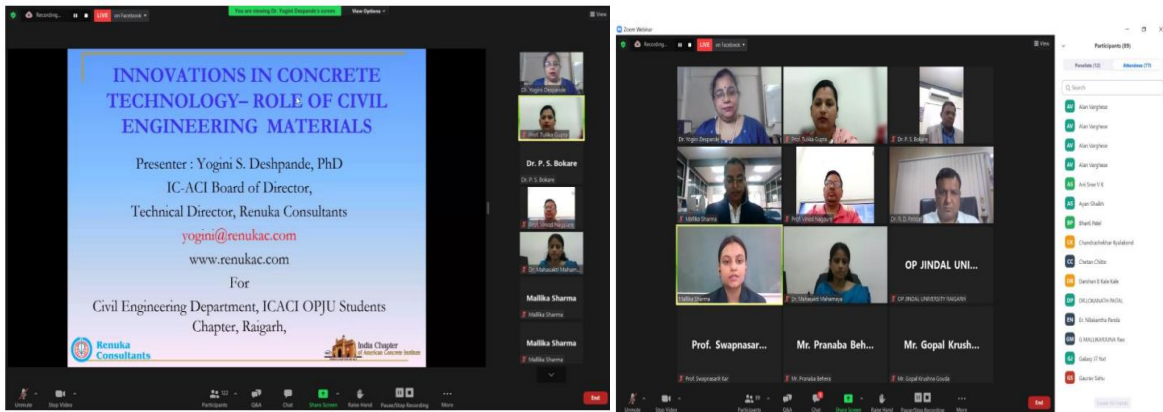
5. Dr Saket Jeswani, & Dr Deepak Singh under Institution Innovation Council (IIC), organized a workshop on “Problem Solving & Ideation” on 24th Nov 2021. The speaker of the seminar was Dr. Saurabh Gupta, Asst. Prof of Biomedical Engg & Prof I/C Innovation Cell, NIT, Raipur and more than 80 students participated in this workshop.



- OP Jindal University, Raigarh - Institutions Innovation Council (under the Ministry of Education's Innovation Cell) organized an Awareness Session On NEP-2020: A Vision for New Horizon on 11th November 2021 on the theme of NEP-2020 in association with NSS. The objective of this webinar was to create awareness about NEP-2020 among faculty, staff and students. The focus of the session was on the new policies and practices of NEP-2020.



- A workshop has been organized in association with Civil Engineering department and IC-ACI student chapter on 12th Nov, 2021. The Knowledge about the magical concrete was delivered by Dr. Yogini Deshpande. Concrete is the heart of any RCC construction. Speaker delivers very smoothly about the new technics and innovations in the field of Concrete. Around 170 + students are present and feedback is taken from all attendees



9. A workshop has been organized in association with Computer Science & Engineering Department on “Python for Data Science” attended by more than 100 participants. The workshop was jointly organized by Intel-FICE & OPJU from 13th Dec to 24th Dec 2021 and covered the basic and advanced programming of Python.



10. OP Jindal University in association with IIC has organized some important celebration activities as mentioned below:

Energy Conservation Day

OP Jindal University, Raigarh - Institutions Innovation Council (under the Ministry of Education's Innovation Cell) organized **Energy Conservation Meet** on **13 December 2021** on the theme of *Energy Conservation in association with NSS and NTPC, Lara*. The objective of this workshop was to create awareness about energy conservation and impart knowledge about the need and importance of energy conservation among faculty, staff, and students. The focus of the session was on Energy Conservation and how to ensure energy conservation in day to day life



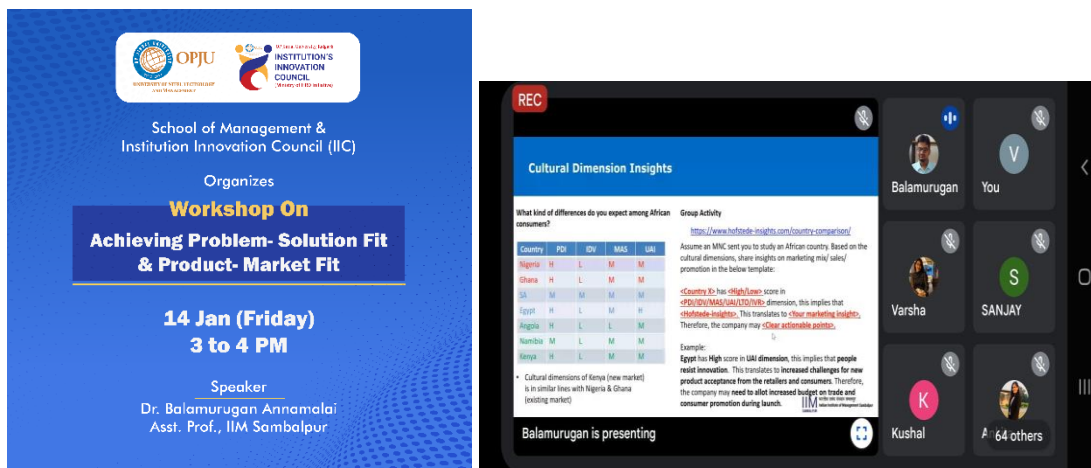
World Pollution Day

OP Jindal University, Raigarh - Institutions Innovation Council (under the Ministry of Education's Innovation Cell) organized 'World Pollution Day' on 24.12.2021, with two events in the University campus. In the first event, the entire fraternity of OP Jindal University planted trees across the campus. In the second event, ideation and presentation by the students were conducted on the theme "Stop Pollution Before it Stops Our Breath". Many student groups presented their ideas from various departments on this topic.



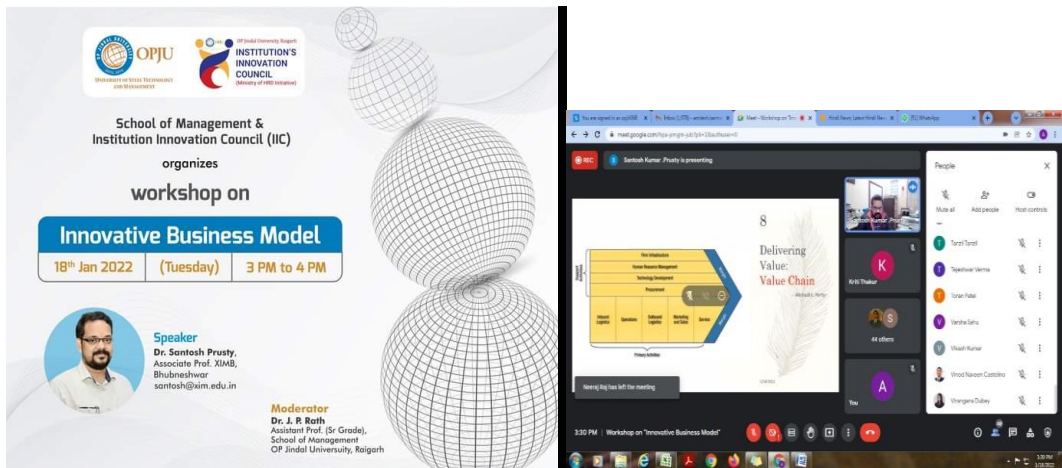
11. Institution Innovation Council in coordination with School of Management organized a workshop on “Achieving Problem-solution Fit & Product-Market Fit” on 14 January 2022, lasted for one hour from 3 PM to 4 PM. The speaker of the workshop was Dr. Balamurugan Annamalai, Assistant Professor, IIM Sambalpur. The Session was hosted by Dr. Saket Jeswani along with Dr. Vikash Kumar.

In the session, Dr. Balamurugan delivered about basics of Marketing, along with VFUD Evaluation framework, and discussed product launch. Also deliberated about cultural difference and its impact on product, how a company adjust their strategies for their same product for different places as per change in culture. The topic is firstly covered at India (National) level and then at the International level and concluded that actually “we are consuming culture”.

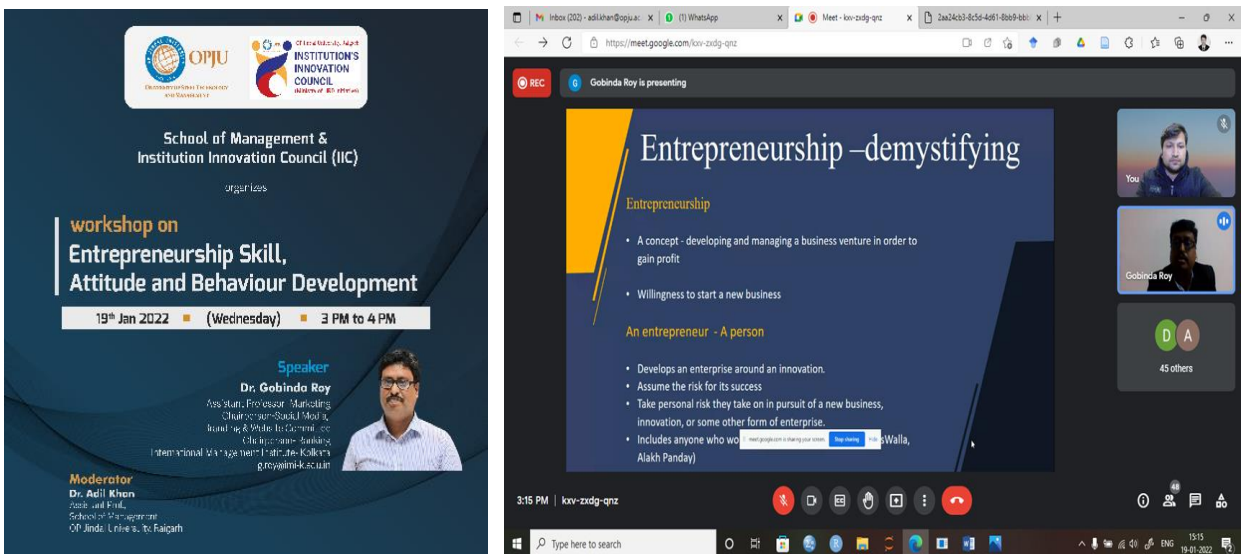


12. A workshop on ‘Innovative Business Model’ is organized by the ‘Institution Innovation Council (IIC), OPJU on dt.18.01.2022. The guest speaker for this event was Dr. Santosh Prusty, Associate Professor, XIMB, Odisha. He has around 11 years of academic and administrative experience in IIM, Shillong. Discussions regarding various innovative business models with reference to story, value chain and activities took place. Dr Prusty also explained the impacts of environmental factors on various business models. The issues and challenges also their innovative solutions are described in details. The event was moderated by Dr. Jaya Prakash

Rath, (Sr. Assistant Professor), School of Management, OP Jindal University.



13. School of Management and Institutional innovation council (IIC) have organized a Workshop on "Entrepreneurship Skill, Attitude and Behavior Development" on Wednesday, January 19, 3:00 – 4:00pm. This is a part of the series of guest Lectures for MBA Students. The session was conducted by Dr. Gobinda Roy, an Assistant Professor of Marketing at IMI Kolkata. Dr. Roy, is a PhD and MBA from VGSOM, IIT Kharagpur with over 20 years of experience in industry, research and teaching. He is a faculty in the area of marketing and currently teaches Digital Marketing, Service Marketing, Web Analytics, B2B Marketing, etc. The session was moderated by Dr Adil Khan, coordinated by Dr Saket Jeswani and Managed by Mr Amitesh Barman. Total 45 participants have attended the session.



14. Institution's Innovation Council (IIC@OPJU) in association with IEEE and CSI Student Chapter organized an Expert Talk on Understanding Technology Readiness Level (TRL), Innovative Product Development, and Investment Readiness Level (IRL) on 17th January 2022 at 8 PM. It was coordinated by Dr. Mahendra Kumar Shrivastava, in which around 60 participants attended the session. During the event the following topics were covered along with Q/A session at the end:

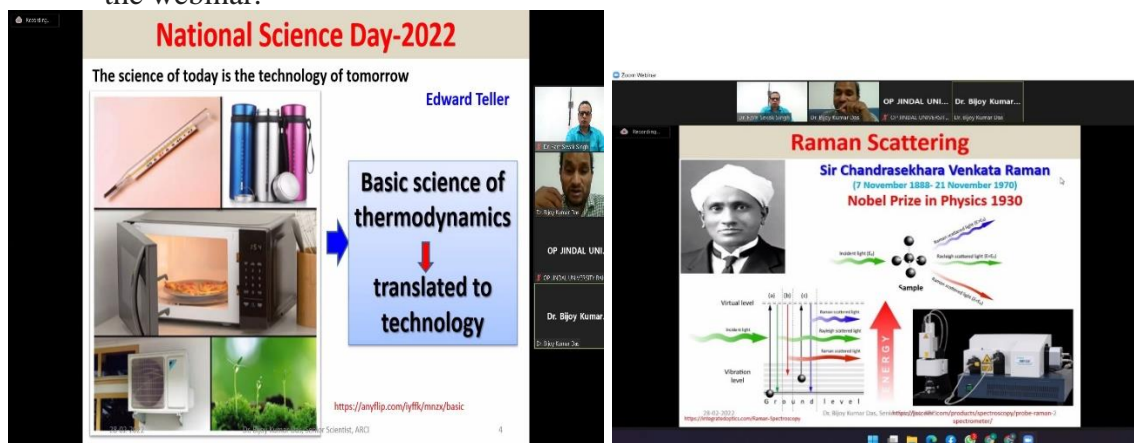
1. Technology Readiness Level (TRL)
2. Innovation and Product Development
3. Role of Advanced Lab Technologies for Scalable Product Development
4. Technology Transfer to multiple product development sites
5. Investment Readiness Level (IRL)

15. Department of Mechanical Engineering in association with IIC and Rajiv Gandhi National Institute of Intellectual Property Management (RGNIIPM) organized an IPR awareness session on the "Intellectual Property Rights (IPR) - Patent & Designs Process" under National Intellectual Property Awareness Mission (NIPAM) on 25th Feb 2022. The speaker of the session Mr. Pankaj P. Borkar, Dy. Controller of Patents & Designs, CGPDTM, DPIIT, Ministry of Commerce & Industry - Govt. of India gave an excellent insight on the "patent and design process". The session was arranged in hybrid mode and around 350+ participants benefited from the session.



16. OP Jindal University (OPJU) in association with the Institution’s Innovation Council at OPJU organized an online webinar on “Role of Science in Our Daily Life” and was attended by more than 50 participants. Participants were faculty members, research scholars, industry professionals, and students from academia and industries.

Dr Bijoy Kumar Das, Senior Scientist at International Advanced Research Centre for Powder Metallurgy and New Materials, Chennai, was invited as the key speaker. Dr Das is a multi-skilled professional with wide experience and responsible for development of science and technology. Dr Ram Sevak Singh, Associate Professor, Department of Physics, OP Jindal University welcomed the speaker and discussed the importance of science and innovation along with the key objectives behind organizing the webinar.



17. The Community Innovation Challenge is an initiative of the Institute innovation council (IIC) to help unleash our immense strength and potential for innovation, especially among the younger generation. The focus of the challenge is the community around the students and the innovations must be directed towards a very clear goal: To improve the quality of life of community members on any aspect, be it physical, social, cultural or economic. The details are mentioned in the website <http://innovationchallenge.in/> to know the different areas of innovation ideas.

Community Innovation Challenge (CIC) 2021-22

WHO CAN PARTICIPATE?

- Students of class X, XI, XII & Engineering Diploma final year.
- Students from any streams can participate (Arts/ Science/ Commerce/ Humanities/ Engineering Diploma)
- Maximum 2 Students per team

HOW TO PARTICIPATE?

Step 1: Think of an idea that can solve a problem of community/your surrounding. It has to be a practical solution that can be implemented in real life.

Step 2: Check your idea by discussing with your friends/ teacher/ guide. Start working on your project along with summary of your idea.

Step 3: Submit your idea at www.innovationchallenge.in OR [www.opju.ac.in/cic](mailto:cic@opju.ac.in) OR cic@opju.ac.in

Win Cash Prizes worth ₹ 65,000 /-

- Winners to get Cash Prizes worth Rs. 65,000 /-
- E- Certificate to all the participants
- "Campus with an Innovation Mindset" Award to Best School
- Best Teacher Award to Mentor of Winning Team

IMPORTANT DATES

- Last date to register online : 30th Jan'22
- Last date for submission of Idea : 15th Feb'22
- Declaration of Result : 1st March'22

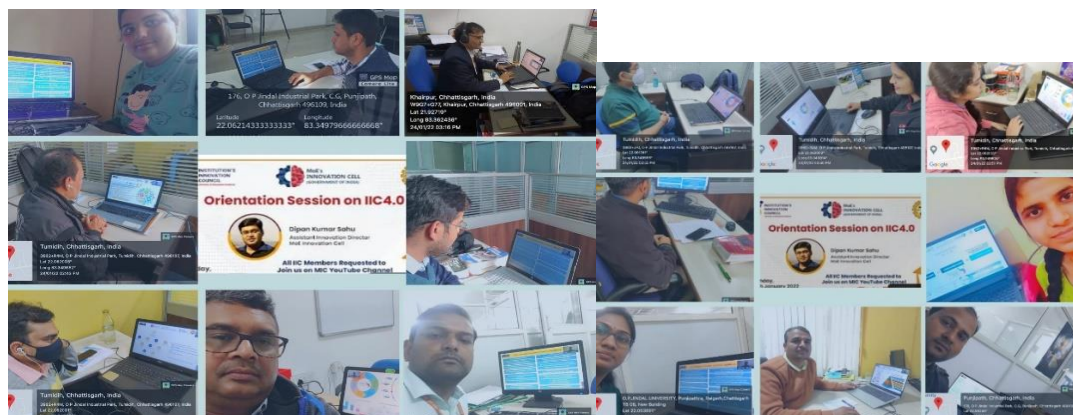
OP JINDAL UNIVERSITY
OP Jindal Knowledge Park
Punijpathra, Raigarh (C.G.)- 496109
cic@opju.ac.in 07767254000

To Register Visit
www.opju.ac.in/cic.php

Helpline No. : 1800 12000 8090



18. Faculty and students of OP Jindal University, Raigarh, Chhattisgarh attended the Orientation Session on IIC 4.0 & Features – MoE's Innovation Cell on 24th January 2022. The event was hosted by Dr. Dipan Sahu, Asst. Innovation Director, Ministry of Education's Innovation Cell & AICTE, Government of India.



19. A Lecture on 'Entrepreneurial Opportunities in Science' was organized by School of Science, OPJU in association with IIC. The objective of organizing the lecture was to make the youth aware of entrepreneurship to promote the spirit of self-reliance and self-reliant India. Dr Seshadev Nayak (Professor and Associate Dean-School of Management) guest and keynote speaker of the program gave a succinct and useful lecture on the topic 'Entrepreneurial Opportunities in Science' through his presentation and live examples. Dr. Nayak in his lecture gave detailed information about all the things related to entrepreneurship and how it can be easily adopted, as well as easily answered the questions asked by the participants.



20. OP Jindal University in association with IIC has organized TECH LAB- a part of Technorollix 2022 (Grand fest). Participants across the nation showcased their models in the form of working, non-working and application development categories. Participants got recognition across respected delegates from Industries like JSPL, JPL, NTPC, SSD. Event was held on 30th March, at OP Jindal University campus, Punjipathra.

Mr Alok Gupta, Executive Director, NTPC, LARA inaugurated the event. Honourable Vice Chancellor, OPJU Dr RD Patidar, Mr Sameer Sharma, NTPC and Mr RD Katre, Vice president, JPL were present during inaugural ceremony and provided valuable input to the participants. Total 82 Teams and more than 280 students had registered for the event. The event was coordinated by Dr Deepayan Priyadarshi (Asst Prof, Civil Engineering department).



21. Institution Innovation Council in coordination with School of Management organized a "VIRTUAL INTERNATIONAL CONFERENCE" On, Innovation & Research in Science and Technology for Sustainable Development, May 27-28,

2022. Original contributions from researchers, describing their unpublished work addressing the state-of-the-art research were presented.

VIRTUAL INTERNATIONAL CONFERENCE
On
Innovation & Research in Science and Technology for Sustainable Development
May 27, 2022 | 10:00 AM to 11:00 AM
Inaugural Function

Guest of Honour

- Ms Shailu Jindal**
Chancellor,
OP Jindal University, Raigarh
- Dr. R. D. Patidar**
Chairman-ICRSTSD'22 &
Vice-Chancellor,
OP Jindal University, Raigarh, CG
- Dr. Sunita Gautam**
President, Women,
New Zealand
- Dr. Anil Gupta**
Member, Director,
Coal Mines - Mineral Conservation,
National Institute of Earth System Science
(Ministry of Home Affairs, Govt. of India)
- Mr. Nitin Mogra**
Vice President of, Graduate Studies,
Jindal Steel, Ludhiana, India
- Dr. Ranjay Kumar Satapathy**
Vice-Chancellor,
Kharagpur University, India

Chief Guest

- Dr. Rajesh Kumar Gupta**
Distinguished Scientist and Associate
Director, Advanced System Laboratory,
DRDO, Hyderabad

Organizing Committee

- Mr. Anurag Vijaywargiya**
Registrar,
OP Jindal University, Raigarh
- Dr. Girish C. Mishra**
Assistant Director, IIC-OPJU
- Dr. S. K. Singh**
Coordinator
- Dr. Ankur Raotagi**
Coordinator

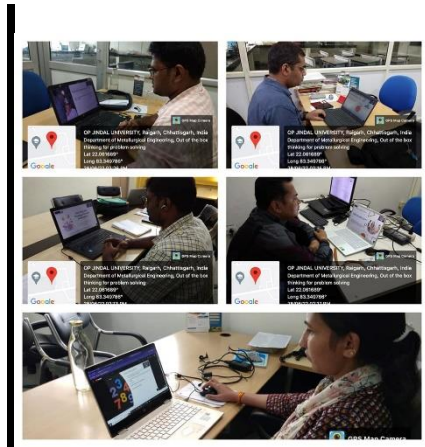
Link to join the session : bi.ly/3wNWvr3

Organized by : **School of Science**
OP Jindal University

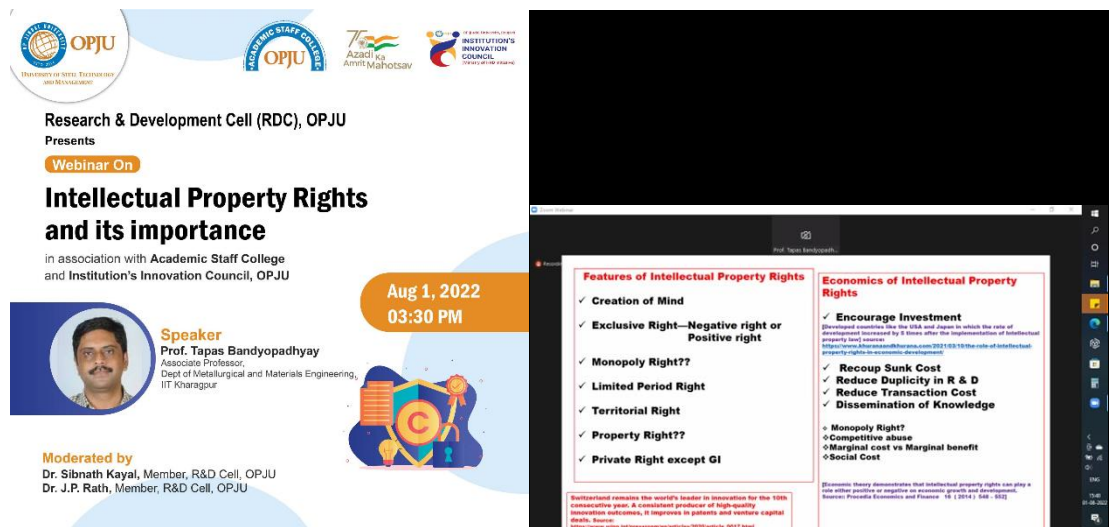


22. An online Session on “Out of the Box Thinking for Problem Solving” was organized as an MIC driven activity under IIC-OPJU on 28th June, 2022. Prof. V. Kamakoti, Director, IIT madras has provided information regarding the newly launched course .

The activity has been coordinated by Dr. Trinath Talapaneni, Member, IIC-OPJU.



23. OP Jindal University, Raigarh in association with Research Development Cell, Academic Staff College & Institutional Innovation Council has conducted a webinar titled “Intellectual Property Rights and its importance” on 1st August 2022 in online mode. The webinar was delivered by Dr. Tapas Bandyopadhyay, Professor, IIT Kharagpur. More than 125 participants have been leveraged by this webinar.



24. The Department of Mechanical Engineering in association with IIC@OPJU is organizing its 2nd National Level Online Quiz Competition on "Green Technology" in association with SESI, SAE India Collegiate Club, ZYPP, CREDA, and IEEE OPJU Chapter on 28th August, 2022 for the B.Tech students of all branches and industry professionals. The 1st quiz was organized last year in the month of May 2021.



25. IIC OP Jindal University received the **"Best Creative Poster Award"** at Institution's Innovation Council (IIC) Regional Meet, Kolkata conducted by the Ministry of Education (#MoE) and #AICTE, New Delhi, and organized at GNIT, Kolkata on 2nd Aug 2022.

The meet was attended by 90+ IIC institutes/Universities & 400+ participants that included IITs, NITs, and IIMs and institutes from Odisha, Chhattisgarh, Jharkhand, West Bengal, and others covering the eastern region of the country.

The council is playing an instrumental role in creating and sustaining the movement of Innovation and Startup culture development at the University.



26. Institute Innovation Council, OP Jindal University in association with the "Centre for Industry-Academia Collaboration" has organized a webinar on "Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs". Speaker: K. Prabhakaran

Professor-Finance & Entrepreneurship Em-paneled Resource Person- SEBI, NCFE & NCDEX Founder Director - Edify EdTech

OP Jindal University, Raigarh
Institution's Innovation Council
 In Association with
"Centre for Industry-Academia Collaboration"
 Presents
Online Session on
Angel Investment/VC Funding Opportunity
for Early Stage Entrepreneurs
29.07.2022
04:00 PM
Speaker :
Dr K. Prabhakaran
 Professor-Finance & Entrepreneurship
 Em-paneled Resource Person- SEBI, NCFE & NCDEX
 Founder Director - Edify EdTech
Coordinator :
Prof. Bhupendra Tripathi
 Assistant Professor
 School of Management, OPJU
Moderator :
Dr. Trinath Talapaneni
 Assistant Professor (Sr. Grade)
 School of Engineering, OPJU

Venture Capital and Angel Financing
By
Dr. K. Prabhakaran

27. The Department of Mechanical Engineering in association with the Institution Innovation Council (IIC) has organized a one-day visit to the OPJU innovation center (Incubation Unit) on 6th June 2022. The students got an opportunity to understand the technology adopted in using CNC Router, Laser Engraver, and 3D Printing. They also got hands-on experience in working on these machines. The center will provide support to student start-ups by incubating them. It also organizes various programs such as Start-up Bootcamp, Pitch Competition, and Start-up Expo. Around 30 participants within and outside OPJU benefited from the visit.

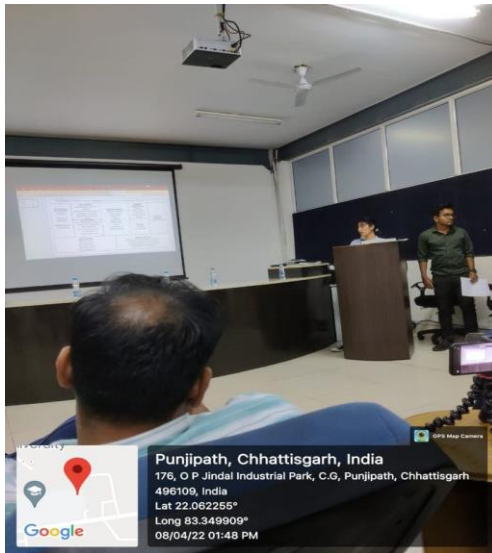




28. OP Jindal University in association with Institutions Innovation Council organized session on "Research and Innovation Awareness" on 23 July 2022. The resource person for the talk, Dr R D Patidar, Vice Chancellor & President, IIC, OPJU gave the brief on the research and innovation awareness for the faculty members.



29. Department of Mechanical Engineering in association with Institute innovation council and SAEINDIA Collegiate club of OPJU organised an online webinar on "Recent Trends and Innovations in Automotive industry", with the objective of giving exposure to the ongoing technological developments and challenges in mobility sector. The talk was delivered by Mr Sushant Kumar, Campus Recruitment head, TATA TECHNOLOGIES, proved to be beneficial for young budding engineers shaping their career in the automobile sector.


30. School of Management of OP Jindal University has organized a Workshop on Business Model Canvas in association with Institution's Innovation Council on April 8, 2022 for the students of OP Jindal University. Students from different specialization presented their Business Model to quickly and easily define and communicate their business idea or concept through Business Model Canvas.



School of Management & Institution's Innovation Council (IIC)
 organizes
Workshop On Business Model Canvas (Offline Mode)
April 8, 2022 ■ **Friday** ■ **1:30 PM to 3:00 PM**
 ■ **Venue: EEE Seminar Hall** ■

Coordinator
Dr. Saket Jeswani
 Head
 School of Management
 OP Jindal University, Raigarh



Co-Coordinators
Dr. Himanshu Vaishnav ■ **Prof. Bhupendra Tripathi**
 Assistant Professor ■ Assistant Professor
 School of Management ■ School of Management
 OP Jindal University, Raigarh ■ OP Jindal University, Raigarh

31. A team of OPJU students and faculty members visited the workshop site of KOSA silk and Kansa workshop, Pussore to understand the traditional design. The visit gave the students exposure to this wonderful art of Chattisgarh, India



32. School of Management with Institutional innovation Council OP Jindal University jointly organized a workshop on "How to plan for startup: legal and ethical steps" on 29th April, 2022. The purpose of the workshop was to orient the students towards the entrepreneurial ventures.

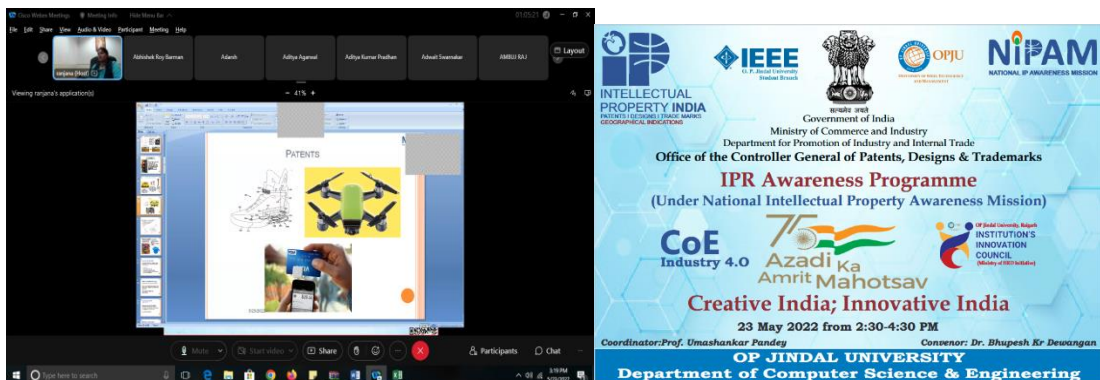


33. Institutional Innovation Council, O P Jindal University in association with Centre for Industry-Academia collaboration jointly organized an online panel discussion

Session on “Enabling Start-Up Ecosystem” on 28th July 2022 (Thursday). The panel discussion is based on the three themes for each theme there is a 25 minutes of discussion and 5 minutes of general QnA. Total time for the session is 90 minutes. However, the session lasted for around 2hrs. The theme of the discussion is a) What is start-up ecosystem? Importance of Such ecosystem? b) How it can be established/formed/created? Role of stakeholders. c) How a Student/ faculties/ society may get benefitted from the start-up ecosystem? Future prospects of such system in the growth of nation. 10 years ahead benefits of such system to upcoming generation.



34. Department of Computer Science and Engineering and IIC has organized “Intellectual Property Awareness Program” under NIPAM on 23 May 2022 from 2.30 pm to 4.30 pm. This program is for all under graduate, and post graduate program students and teaching and non-teaching staffs. The speaker provides knowledge about patentable things, design and concept, filing process, examination and hearing and grant process.

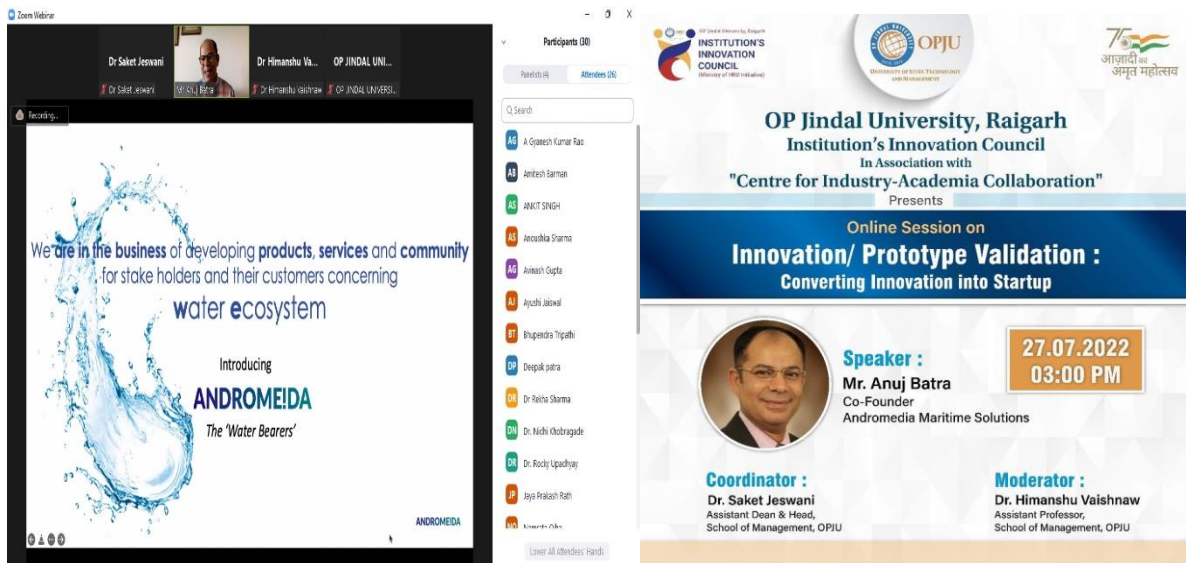


35. Institution's Innovation Council - OP Jindal University in association with Centre for Industry-Academia Collaboration has organized an Online Session on

"Accelerators/Incubation: Opportunities for Students & Faculty - Early Stage Entrepreneurs" on July 26, 2022 from 11:30 AM. The program will help the early stage entrepreneurs to change their business ideas into reality.



36. An innovative idea may enhance the chance to create a successful startup. Institution Innovation Council (IIC OPJU) in association with Centre of Industry-Academia collaboration has organized a webinar. Topic: Innovation/Prototype Validation: Converting Innovation into Startup Date and Time: Jul 27, 2022 15:00 India. The event happens to be part of Entrepreneurship week.



37. Institutional Innovation Council at OP Jindal University has appointed Innovation Ambassadors who have attended a series of training programs organised by IIC-MoE's Innovation Cell and playing an active role to guide students on IPR, Innovation and Entrepreneurship, Institutions Innovation council of MoE's Innovation Cell.

The beneficiaries of these training programs will join the network as "IIC-Innovation Ambassador" and perform the role of mentor in their respective IICs, will provide support to other IICs as resource person in organising various programs related to innovation and startup and spread the message of innovation & start-up among the students and faculties.

S.No.	Name	Email
1	Dr. I.A. Qadri	imran.quadri@opju.ac.in
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10	Dr Deepayan Priyadarshi	deepayan.priyadarshi@opju.ac.in
11	Dr. Trinath Talapaneni	trinath.talapaneni@opju.ac.in
12	Dr R. S. Singh	rs.singh@opju.ac.in
13	Dr Sandeep Biswal	sandeep.biswal@opju.ac.in

Few Snapshots of IA Ambassadors engaged in internal and external activities






Presents

Innovation ambassador Expert lecture

Application of Emotional Intelligence in Human Resource Development

Sep 22, 2022
12:40- 01:30 PM
@OP Jindal University, Raigarh

Speaker
Dr. S. K. Singh
Professor- Humanities,
School of Science, OPJU









Presents

Innovation ambassador Expert lecture

Understanding Nanotechnology for a Better Future

Sep 21, 2022
04:00 PM
@OP Jindal University, Raigarh

Speaker
Dr. Ram Sevak Singh
Associate Professor,
School of Science, OPJU









Presents

Innovation ambassador Expert lecture

National Innovation and Startup Policy (NISP): Guiding Framework for HEIs

Sep 20, 2022
04:00 PM
@OP Jindal University, Raigarh

Speaker
Dr. Vikash Kumar
Assistant Professor,
School of Management, OPJU






38. The 2022 World Environment Day campaign #OnlyOneEarth calls for collective, transformative action on a global scale to celebrate, protect and restore our planet. OP Jindal University urges you to do your part too, to ensure a cleaner, greener, and happier future for us and our future generations.



39. OP Jindal University Celebrates "Innovation & Entrepreneurship in HEIs for Aatmanirbhar Bharat & Celebrating 75 Years of Independence -Azadi Ka Amrit Mahotsav" By Organizing an Essay writing competition on "Industrial development of India after Independence and the Way Forward" in association with the Institution Innovation Council on 07-8-22. The event was also marked with a plantation drive and distribution of the Indian Flag to women of the adopted villages.





40. OP Jindal University in association with IIC and OPJU innovation Centre has organised “Entrepreneurship Day” and further the week to Create awareness among the students regarding the utility of advanced instrument in prototype making. Students understood the benefit of Laser cutting machine, CNC Router and 3D printing machine in prototype manufacturing.



M. Contact

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Convener – Dr. Saket Jeswani – saket.jeswani@opju.ac.in

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