

OP JINDAL UNIVERSITY, RAIGARH (C.G.)

UNIVERSITY OF STEEL TECHNOLOGY AND MANAGEMENT

8th ANNUAL REPORT

Year 2022-23



School of Engineering | **School of Management** | **School of Science**

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Annual Report 2022-23

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1. ABOUT THE UNIVERSITY:

OP Jindal University Founded by the Jindal Education and Welfare Society, OP Jindal University (OPJU) aims to develop young professionals and future leaders who will not only power growth and development in the state, but also make a mark globally. We at OPJU believe that every student has innate potential that can be unlocked through quality teaching and mentorship.



OPJU was established by an Act of Legislature in the state assembly of Chhattisgarh in 2014. At the core of the philosophy of the university approach lies the belief that students learn best when exposed to real world situations and enriching interactions with practitioners and professors.



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



Mr. Naveen Jindal
Chairman
Jindal Steel & Power

VISION:

To become a model for global higher education, we aim to empower young minds to drive sustainable societal transformations through excellence in values-based education, research, innovation, and entrepreneurship.

MISSION:

- Develop industry-ready curriculum.
- Enhance employability of students with real-time skills.
- Cultivate global collaborations by exchanging knowledge, skills, technologies and research abilities.
- Promote holistic leadership quality within national and the global citizens.
- Encourage innovation and entrepreneurship for sustainable development.

CORE VALUES:

- Measuring success through academic outcomes.
- Fostering flexibility and autonomy in the academic environment.
- Maintaining higher standards of ethics and integrity in all operations.
- Developing sustainable practices and concerns for the environment.
- Providing equal academic access to all societies irrespective of their financial conditions.

India's only University dedicated to Steel Technology

India is the world's second largest producer of steel and aspires to triple its production in the this decade. With such an enormous growth plan, OPJU aims to play a pivotal role in meeting the industry challenges to provide well-trained people, work on developing new technologies to enhance productivity, create a globally competitive indian steel industry and promote global best practices amongst the industry players.

The university will consciously create resources, address the problems unique to the steel industry whether in the field of engineering and technology or in the field of management practices. OPJU academic programs have, adopted a "Learning by Doing" pedagogy, a strong focus on industry based research, promote scholarship and knowledge creation, and short duration skill development programs to meet the human capital needs of the steel industry.



“Our university recognises innate potential of students and provides them with a nurturing and stimulating environment for their training and holistic development.”

Ms. Shallu Jindal
Chancellor

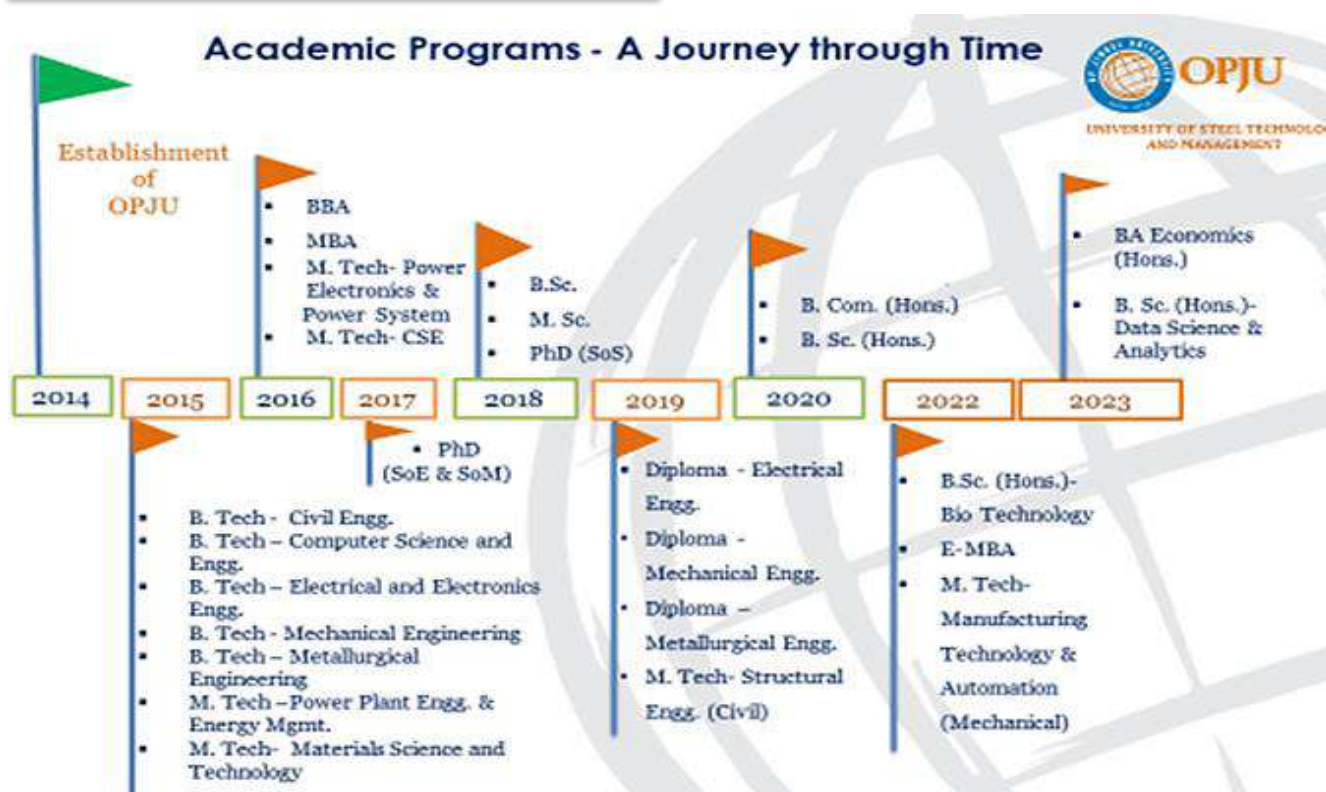


“OPJU strives to be an institution par excellence in the field of professional education across the world and takes care of the Indian context in designing the curriculum.”

Dr. R. D. Patidar
Vice-Chancellor



2. SCHOOLS, PROGRAMS AND COURSES:



Programmes Offered:

| Sl. No. | School of Engineering | School of Management | School of Science |
|---------|--|----------------------|-------------------------------|
| 1 | B. Tech- Civil Engineering | BBA | B.Sc.- Hons. – Chemistry |
| 2 | B. Tech- Computer Science and Engineering | B. Com-Hons. | B.Sc.- Hons. – Physics |
| 3 | B. Tech- Electrical Engineering | MBA | B.Sc.- Hons. – Maths |
| 4 | B. Tech- Mechanical Engineering | E-MBA | B.Sc.- Hons. – Bio-Technology |
| 5 | B. Tech- Metallurgical and Materials | PhD | M.Sc.- Physics |
| 6 | M. Tech- Structural Engineering | | M.Sc.- Chemistry |
| 7 | M. Tech- Computer Science and Engineering | | M.Sc.- Mathematics |
| 8 | M. Tech- Power Electronics and Power Systems | | Ph.D. |
| 9 | M. Tech – Power Plant Engineering and Energy | | |
| 10 | M. Tech- Manufacturing Technology & | | |
| 12 | M. Tech- Materials Science and Technology | | |
| 13 | Diploma- Electrical Engineering | | |
| 15 | Diploma- Mechanical Engineering | | |
| 16 | Diploma- Metallurgical Engineering | | |
| 17 | PhD | | |

3. COMMITTEES:

i) ANTI-RAGGING COMMITTEE:

| S. No. | Name of the Faculty | Designation | Contact No. | E-Mail Id |
|--------|--|-------------|-------------|----------------------------------|
| 01 | Prof. Anurag Vijaywargiya Registrar | Chairman | 9109977001 | registrar@opju.ac.in |
| 02 | Dr. Siddharth S. Chakrabarti Dean-SoE | Member | 9827478048 | siddharth.chakrabarti@opju.ac.in |
| 03 | Dr. Rakesh Nayak Professor & Asst. Dean-CSE | Member | 9440530306 | rakesh.nayak@opju.ac.in |
| 04 | Dr. Saket Jeswani Professor & Asst. Dean- Mgmt. | Member | 9109977026 | saket.jeswani@opju.ac.in |
| 05 | Dr. Gurrala M. Rao Professor & Asst. Dean-EE | Member | 9109909259 | gm.rao@opju.ac.in |
| 06 | Dr. Sushree Diptimayee Swain Associate Prof. (Sr. Grade) – EE | Member | 9109977009 | sushree.swain@opju.ac.in |
| 07 | Dr. Abhilasha Chaudhuri Asst. Prof.- CSE | Member | 9752691565 | abhilasha.chaudhuri@opju.ac.in |
| 08 | Dr. Rekha Sharma Associate Prof. (Sr. Grade)-Mgmt. | Member | 8077277676 | rekha.sharma@opju.ac.in |
| 09 | Dr. Swati Verma Associate Prof.- Physics | Member | 9109909274 | swati.verma@opju.ac.in |
| 10 | Dr. Saumya Singh Associate Prof. (Sr. Grade)- Maths | Member | 9109977041 | saumya.singh@opju.ac.in |
| 11 | Prof. Vinod Nagpure Asst. Professor (Sr. Grade)- Civil | Member | 9109977037 | vinod.nagpure@opju.ac.in |
| 12 | Dr. Mahasakti Mahamaya Asst. Professor (Sr. Grade)- Civil | Member | 8895841504 | mahasakti.mahamaya@opju.ac.in |
| 13 | Dr. Vatsala Chaturvedi Asst. Prof. (Sr. Grade)- Meta | Member | 9140480421 | vatsala.chaturvedi@opju.ac.in |
| 14 | Prof. Jitesh Singh Asst. Prof.-Mechanical. | Member | 9575380830 | jitesh.singh@opju.ac.in |
| 15 | Prof. Asim Kiran Dandapat Asst. Prof.-Comp. Science and Engg | Member | 9109977049 | asimkiran.dandapat@opju.ac.in |
| 16. | Dr. Surendra Kumar Dwiwedi Assoc Prof. -Mech. & Chief Warden | Member | 9109977022 | surendra.dwiwedi@opju.ac.in |
| 17. | Dr. Mukesh S. Desai Associate Prof.-Mech. & Warden | Member | 9109977045 | mukesh.desai@opju.ac.in |
| 18. | Dr. Trinath Talapaneni Asst. Prof. (Sr. Grade)-Meta & Warden | Member | 8763333171 | trinath.talapaneni@opju.ac.in |
| 19. | Prof. Rakesh Patidar Asst. Prof.-EE | Member | 8109040096 | rakesh.patidar@opju.ac.in |

| | | | | |
|----|--|--------------------------|------------|---------------------------|
| 20 | Dr. Vikash Kumar Asst. Prof. (Sr. Gr.)-Mgmt. & Warden | Member | 9039642356 | vikash.kumar@opju.ac.in |
| 21 | Prof. Sujata Panda Asst. Prof.-Management & Warden | Member | 9098736646 | sujata.panda@opju.ac.in |
| 22 | Nomination of Police Administration- Ex-Officio | To be nominated | - | |
| 23 | Nominee of the Civil Administration | To be nominated | - | |
| 24 | Dr. Hemant Dansena | Parents Representative | 7978968043 | |
| 25 | Ms. Tanuja Nair | Students' Representative | 6263374001 | tanu.ug20cse52@opju.ac.in |
| 26 | Mr. Amit Chatterjee | Students' Representative | 7470906224 | amit.bsc21ch05@opju.ac.in |
| 27 | Mr. Vishal Agrawal | Students' Representative | 7854924776 | vish.mba2263@opju.ac.in |

ii) STUDENTS GRIEVANCE REDRESSAL COMMITTEE:

| S. No. | Name of the Member | Designation | Contact No. | E-Mail Id |
|--------|---|-------------|-------------|---------------------------------|
| 1 | Dr. Girish Chandra Mishra Dean- SoS | Chairman | 9109977024 | girish.mishra@opju.ac.in |
| 2 | Dr. Shesadev Nayak, Professor – Management4 | Member | 9871000398 | shesadev.nayak@opju.ac.in |
| 3. | Dr. Saket Jeswani HOD & Professor-SoM | Member | 9109977026 | saket.jeswani@opju.ac.in |
| 4. | Dr. S Das Steel Chair Professor-Meta | Member | 9425303176 | s.das@opju.ac.in |
| 5. | Dr. Rakesh Nayak Professor-Comp. Science and Engg. | Member | 9109977043 | rakesh.nayak@opju.ac.in |
| 6. | Dr. Rekha Sharma Associate Professor-Management | Member | 8077277676 | rekha.sharma@opju.ac.in |
| 7. | Dr. Saumya Singh Associate Professor-Mathematics | Member | 8103698224 | saumya.singh@opju.ac.in |
| 8. | Dr. Surendra Dwiwedi Associate Professor & Chief Warden | Member | 9109977022 | surendra.dwiwedi@opju.ac.in |
| 9. | Dr. Mahasakti Mahamaya Assist. Prof. & Warden-Girls Hostel | Member | 8895841504 | mahasakti.mahamaya@opju.ac.in |
| 10. | Prof. Pushpanjali Shadangi Assistant Professor-EE | Member | 9109977036 | pushpanjali.shadangi@opju.ac.in |

iii) **INTERNAL COMPLAINT COMMITTEE:**

| S. No. | Name of the Member | Designation | Contact No. | E-Mail Id |
|--------|---|-------------|-------------|--------------------------------|
| 1 | Dr. Saumya Singh Associate Professor-Mathematics | Chairperson | 8103698224 | saumya.singh@opju.ac.in |
| 2 | Dr. Mahasakti Mahamaya Asst. Prof. & Warden-Girls Hostel | Member | 8895841504 | mahasakti.mahamaya@opju.ac.in |
| 3 | Dr. Rekha Sharma Associate Professor-Mgmt. | Member | 8077277676 | rekha.sharma@opju.ac.in |
| 4 | Dr. Abhilasha Choudhuri Assistant Professor-CSE | Member | 9752691565 | abhilasha.chaudhuri@opju.ac.in |
| 5 | Dr. Sushree Diptimayee Swain Associate Professor-EE | Member | 9109977009 | sushree.swain@opju.ac.in |
| 6 | Dr. Kavita Patel, Assistant Professor | Member | 9993993019 | kavita.patel@opju.ac.in |
| 7 | Prof. Anurag Vijaywargiya Registrar | Member | 9109977001 | registrar@opju.ac.in |
| 8 | Dr. S Das Steel Chair Professor-Meta | Member | 9425303176 | s.das@opju.ac.in |
| 9 | Dr Surendra Dwiwedi Associate Prof. & Chief Warden | Member | 9109977022 | surendra.dwiwedi@opju.ac.in |
| 10 | Dr. Vikash Kumar Assistant Prof.-Mgmt. | Member | 9039642356 | vikash.kumar@opju.ac.in |
| 11 | Shubhangi Bohidar | Student | 6260662614 | shubhangibohidar@gmail.com |
| 12 | Rihal Agrawal | Student | 6261176407 | rihalagrawal16@gmail.com |
| 13 | Tushar Kumar Sao | Student | 8319204022 | Tusharsao660@gmail.com |

iv) **SC/ST Cell:**

| S. No. | Name of the Member | Designation | Contact No. | E-Mail Id |
|--------|--|-------------|-------------|---------------------------------|
| 1 | Dr. Mahesh K Bhiwapurkar, Professor- Mechanical Engg. | Chairman | 9109977029 | mahesh.bhiwapurkar@opju.ac.in |
| 2 | Dr. Shesadev Nayak Professor -Management | Member | 9871000398 | sheshadev.nayak@opju.ac.in |
| 3 | Dr. Girish C Mishra Dean & Professor-SoS | Member | 9109977024 | girish.mishra@opju.ac.in |
| 4 | Dr. S K Singh Assistant Dean-Students Welfare & Professor-Humanities | Member | 9827478185 | Sanjay.singh@opju.ac.in |
| 5 | Prof. Pushpanjali Shadangi Assistant Professor-EE | Member | 9109977047 | pushpanjali.shadangi@opju.ac.in |
| 6 | Brijesh Kumar Songotra Assistant Registrar | Member | 9109977033 | brijesh.songotra@opju.ac.in |

4. ADMISSION PROCESS:

| Programs | Eligibility Criteria |
|--------------------------------|--|
| B. Tech. | Admission is based on at least 50% marks in Class XII (Science Stream) and a Valid JEE/ CGPET/ OPJU Test score card. |
| B. Tech.- Lateral Entry | At least 50% marks in 3 years Diploma Engineering in relevant branch from recognized Board/ University or first division in B. Sc. (Maths). |
| M. Tech | <p>For M Tech in Computer Science and Engineering:</p> <ul style="list-style-type: none"> BE / B. Tech or equivalent degree in Computer Science and Engineering/ Information Technology or MCA with a minimum aggregate of 50%. <p>For M Tech in Material Science and Technology:</p> <ul style="list-style-type: none"> BE / B. Tech or equivalent degree in Metallurgy/ Mechanical/ Chemical/ Production/ Industrial (or) MSc (Physics / Chemistry / Material Science / Nano Science and Technology) with a minimum aggregate of 50%. <p>For M Tech in Power Plant Engineering and Energy Management:</p> <ul style="list-style-type: none"> BE / B. Tech or equivalent degree in Mechanical/Electrical/Electrical and Electronics Engineering / instrumentation with a minimum aggregate of 50%. <p>For M Tech in Manufacturing Technology and Automation:</p> <ul style="list-style-type: none"> BE / B. Tech or equivalent degree in Mechanical/ Production/ Industrial/ Automobile/ Manufacturing/Metallurgical/ Mechatronics engineering with a minimum aggregate of 50%. <p>M Tech in Power Electronics and Power Systems:</p> <ul style="list-style-type: none"> BE / B. Tech or equivalent degree in Electrical/Electrical and Electronics/Electronics and Communication Engineering with a minimum aggregate of 50% or MSc Electronics from a recognized university with a minimum aggregate of 50%. <p>For M Tech in Structural Engineering:</p> <ul style="list-style-type: none"> BE / B Tech or equivalent degree in Civil engineering with a minimum aggregate of 50%. |
| B. Com (Hons.) | At least 50% marks in class XII or equivalent in any discipline |
| BBA | At least 50% marks in class XII or equivalent in any discipline |
| MBA | <ul style="list-style-type: none"> Bachelor's degree or equivalent in any discipline with a minimum of 50% aggregate marks. Desirable: A valid score card of CAT/ CMAT/ XAT/ MAT/ ATMA/ OPJUEt. |
| B.Sc. (Hons.) | At least 50% marks in Class XII (10+2 examination) or equivalent with science stream subjects e.g. Mathematics, Physics and Chemistry. |
| M.Sc. | Bachelor's degree in Science or equivalent in relevant discipline with minimum 50% aggregate marks |

| | |
|------------------------|--|
| PhD-Engineering | <ul style="list-style-type: none"> ▪ ME/M. Tech or equivalent degree in a relevant branch of Engineering with a minimum aggregate of 55%. ▪ M Sc./M Phil for applied science or equivalent PG degree with a minimum aggregate of 55%. ▪ Desirable: A valid GATE /NET score in the above disciplines. ▪ Performance in OP Jindal University entrance test and personal interview. |
| PhD-Management | <ul style="list-style-type: none"> ▪ MBA or equivalent PG degree with a minimum aggregate of 55%. ▪ A relaxation of 5% will be made for SC/ST/OBC/Specially-abled candidates ▪ Desirable: A valid NET score in the above disciplines ▪ Performance in OP Jindal University entrance test followed by an interview. |
| PhD - Science | <ul style="list-style-type: none"> ▪ A Postgraduate degree in a relevant discipline a with minimum aggregate of 55%. A relaxation of 5% will be made for SC/ST/OBC/Specially- abled candidates. ▪ Desirable: A valid NET score in the above disciplines. ▪ Performance in OP Jindal University entrance and followed by an interview. |

APPLICATION PROCESS:

- Apply (Online/Offline) for the programs at OPJU School of Engineering, School of Management, and School of Science.
- Application should be accompanied by a non-refundable application Fee of Rs. 500* for Diploma and Under Graduate programs; Rs. 750* for Postgraduate Programs; and Rs. 3,000 for Doctoral programs, payable online (Internet Banking/ Credit/ Debit card) or DD/Bank Transfer.
- A merit list will be published for eligible candidates for each round. The shortlisted candidates will be asked to appear for counselling. On the subject to fulfilment of requisite conditions, eligibility and verification of documents for the issue of a provisional admission offer letter. The candidate is required to deposit the fee within the stipulated date.
- One Time Deposit of (OTD) Rs. 10,000 needs to be paid (All Courses) within the stipulated time mentioned in the offer letter. The OTD shall be adjusted towards the enrolment Fee on confirmation of admission. In case of admissions cancellation by students OTD will not be refundable.
- If the candidate doesn't pay the full fee by the stipulated date, the admission will be deemed cancelled and the seat will become vacant for the next round of counselling.
- There will be three rounds of counselling and after that, if there are any unfilled seats, it will be filled based on rolling counselling (First come first serve basis).
- The University reserves the full right to cancel admissions at any stage without any notice if the student doesn't meet the minimum eligibility criteria for a particular program.
- Candidates of reserved category (SC/ST/OBC) of Chhattisgarh domicile and Female candidates are exempted from the Application fee.

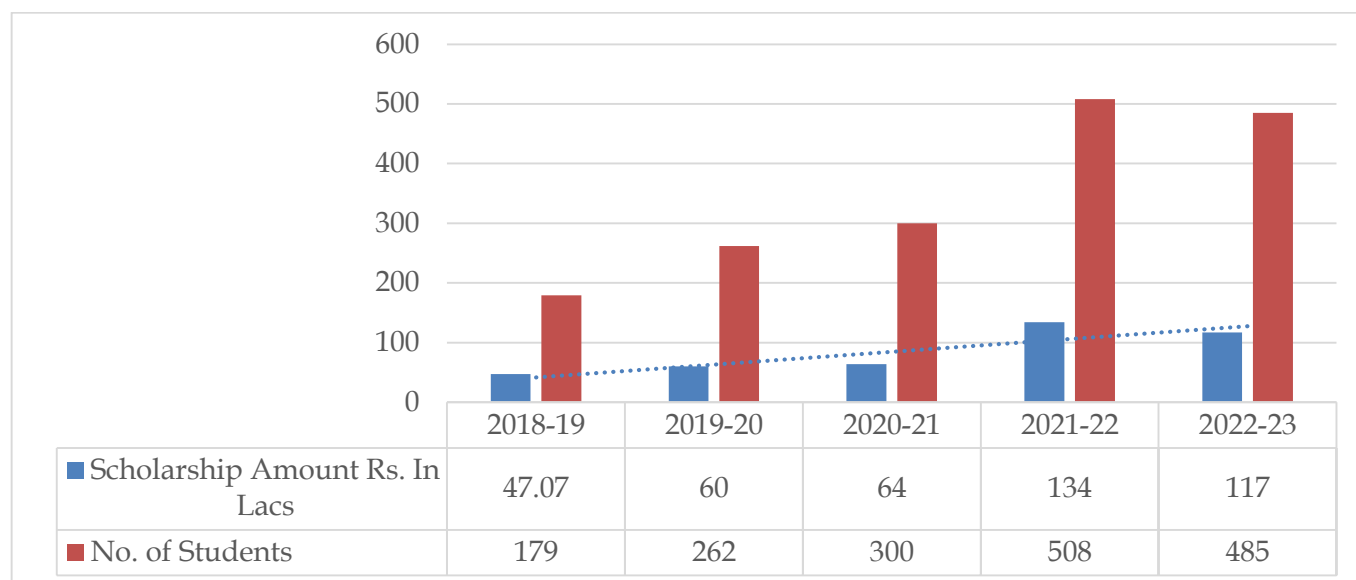
5. SCHOLARSHIPS & PRIVILEGES:

i) ENTRY LEVEL SCHOLARSHIPS:

An Entry Level Scholarship is offered to meritorious students who scored a good percentage in (10+2) or Graduation. The scholarships are offered on an annual basis. To continue the scholarships after the first year, the student will have to maintain a minimum prescribed academic performance during the course. The students selected for any of the above-mentioned scholarships in the first year will have to complete the entire course of duration at OPJU only.

| S. No. | Name of Scholarship | Eligibility % in 12th/Graduation | Scholarship Amount (in Rs.) | | | |
|--------|--|----------------------------------|-----------------------------|-------------------|---------------|-------|
| | | | B. Tech | BBA/B.Com (Hons.) | B.Sc. (Hons.) | M.Sc. |
| 1 | Shri OP Jindal Scholarship for Boys | 90.01% & above | 75000 | 55000 | 15000 | 10000 |
| | | 85.01% & 90% | 50000 | 35000 | 12000 | 8000 |
| | | 80.01% to 85% | 40000 | 25000 | 10000 | 6000 |
| 2 | Smt. Savitri Devi Jindal Scholarship for Girls | 90.01% & above | 75000 | 55000 | 15000 | 10000 |
| | | 85.01% & 90% | 50000 | 35000 | 12000 | 8000 |
| | | 80.01% to 85% | 40000 | 25000 | 10000 | 6000 |
| 3 | Shri Naveen Jindal | 75.01% to 80% | 25000 | 15000 | 8000 | 4000 |
| 4 | Chancellor Scholarship | 70.01% to 75 % | 15000 | 10000 | 5000 | 2000 |
| | | 60% to 70 % | 12000 | 8000 | 3000 | NA |

ENTRY-LEVEL SCHOLARSHIP DISTRIBUTED IN LAST FIVE YEARS:



ii) MERIT-CUM-MEANS SCHOLARSHIP:

The Merit cum Means Scholarships are awarded every year to promote, acknowledge & inculcate excellence among the students and to provide financial support to economically weaker students. This scholarship applies to Indian students only.

iii) OP JINDAL ENGINEERING AND MANAGEMENT SCHOLARSHIP (OPJEMS):

The OPJEMS is aimed at promoting academic and leadership excellence and is awarded to meritorious students who emulate the vision and values of Shri OP Jindal and have the potential to become leaders in entrepreneurial excellence and innovation.

Yearly One-Time Scholarship Amount:

- Rs. 1,50,000 for each management scholar
- Rs. 80,000 for each engineering scholar.

List of students awarded for OPJEMS for the year 2022-23:

| S. | Name of Student | Course | Year | Scholarship |
|----|-------------------|---------------------------------|-----------------|-------------|
| 1. | Shripat Mishra | MBA | 2 nd | 1,50,000.00 |
| 2. | Bhavana Singhania | B. Tech-Civil Engineering | 4 th | 80,000.00 |
| 3. | Nishant Anand | B. Tech-Electrical Engineering | 3 rd | 80,000.00 |
| 4. | Ankur Kumar Singh | B. Tech- Mechanical Engineering | 3 rd | 80,000.00 |

iv) OTHER PRIVILEGES:

| S. No. | Concession (%) | Applicability |
|--------|----------------|---|
| 1 | 20% * | Wards of Jindal Group Employee & Employee himself/herself |
| | | Students from all OP Jindal School |
| | | Alumni and Real Brothers/Sisters of alumni as well as existing students |
| | | A candidate secured cut-off marks in the SAT |
| 2 | 20% | Applicable in Hostel & Mess fee for female students if availing hostel facility |
| 3 | 50% * | Top 15 students of CIC-2022-23 |
| 4 | 40% * | Lateral Entry students (Diploma Holders) seek admission in the second year of the B. Tech. Program. |

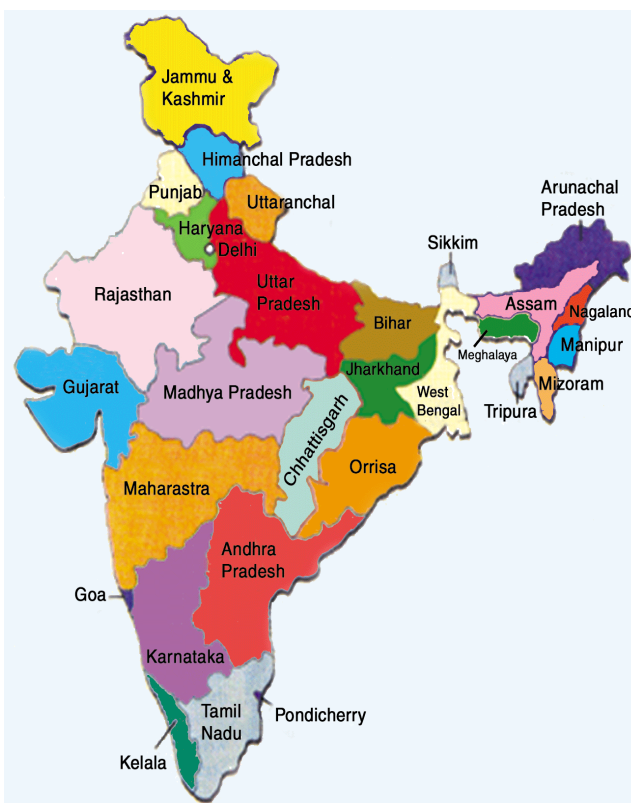
* *Applicable on Tuition fee only.*

6. STUDENT'S ADMISSION & DIVERSITY:

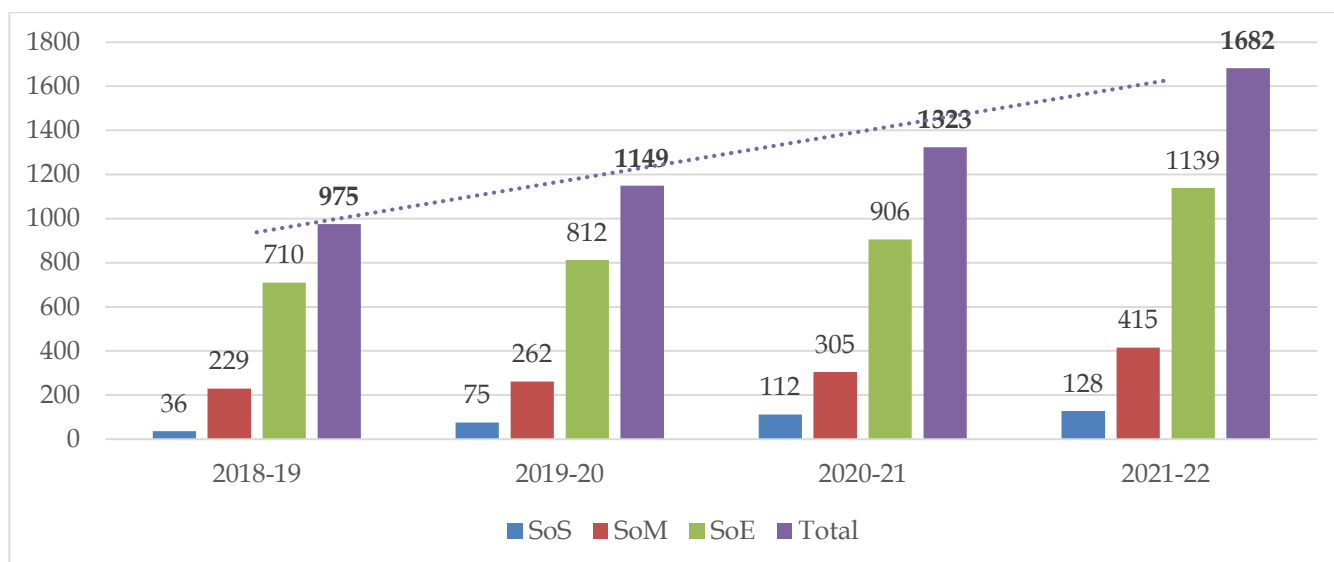
| Total Strength | Total Male | Total Female |
|----------------|------------|--------------|
| 1682 | 1279 | 403 |

Students admitted from different States

| | |
|------------------|------------|
| Andhra Pradesh | 11 |
| Bihar | 20 |
| Chhattisgarh | 450 |
| Delhi | 02 |
| Gujrat | 02 |
| Haryana | 03 |
| Himachal Pradesh | 01 |
| Jharkhand | 15 |
| Karnataka | 08 |
| Kerala | 01 |
| Maharashtra | 07 |
| Madhya Pradesh | 07 |
| Odisha | 30 |
| Rajasthan | 02 |
| Tamilnadu | 01 |
| Telangana | 05 |
| Uttar Pradesh | 13 |
| West Bengal | 15 |
| Total | 593 |



ADMISSION GROWTH:



7. STUDENT'S PERFORMANCE (RESULT)

| S. No. | Name of Programme | Branch/Department | Sem. | Status | Pass% |
|--------|-------------------|--|-----------------|---------|-------|
| 1 | B. Tech | Civil Engineering | 8 th | Regular | 93% |
| 2 | B. Tech | Computer Science and Engineering | 8 th | Regular | 100% |
| 3 | B. Tech | Electrical Engineering | 8 th | Regular | 96% |
| 4 | B. Tech | Mechanical Engineering | 8 th | Regular | 100% |
| 5 | B. Tech | Metallurgical Engineering | 8 th | Regular | 100% |
| 6 | M. Tech | Structural Engineering | 4 th | Regular | 100% |
| 7 | M. Tech | Computer Science and Engineering | 4 th | Regular | 100% |
| 8 | M. Tech | Power Electronics & Power System | 4 th | Regular | 100% |
| 9 | M. Tech | Power Plant Engineering and Energy Mgmt. | 4 th | Regular | 100% |
| 10 | M. Tech | Material Science and Technology | 4 th | Regular | 100% |
| 11 | Diploma | Electrical Engineering | 6 th | Regular | 90% |
| 12 | Diploma | Mechanical Engineering | 6 th | Regular | 80% |
| 13 | Diploma | Metallurgical Engineering | 6 th | Regular | 76% |
| 14 | BBA | Management | 6 th | Regular | 83% |
| 15 | B.Com.(Hons.) | Management | 6 th | Regular | 100% |
| 16 | MBA | Management | 4 th | Regular | 92% |
| 17 | B.Sc.(Hons.) | Science | 6 th | Regular | 100% |
| 18 | M.Sc. | Science | 4 th | Regular | 100% |

Also, 03 PhD Scholars have been awarded with the PhD Degree in 2022-23 (02 from Science and 01 from the School of Engineering).

8. LABORATORY/INFRASTRUCTURE DEVELOPMENT IN 2022-23:

| S. No. | Particular | Name of Equipment/Software | Total Investment |
|--------|--|---|------------------|
| 1 | Physical Metallurgy Lab | High Precision Cutting Machine-Isomet 1000 | 17,70,000.00 |
| 2 | Physical Metallurgy Lab | High Precision Weighing Balance-ME155DU | 2,24,200.00 |
| 3 | Foundry Lab | Erichsen Cupping Testing Machine-Model | 61,360.00 |
| 4 | Physical Metallurgy Lab | Solid Density Meter Model No-CWS-600D Make | 90,270.00 |
| 5 | Physical Metallurgy Lab | Vacuum Desiccator | 49,560.00 |
| 6 | COEST Lab | Sputter coater (Gold coating unit) | 19,69,373.00 |
| 7 | Foundry Lab | Pyrometer gun with data logger | 2,24,200.00 |
| 8 | Centre of Excellence in Manufacturing and Automation | Computer Numeric Controlled Lathe Machine, CNC Wire-cut Electrical Discharge Machine, Welding Fume Extractor, Muffle furnace, AGILENT Data acquisition system 18 Channel (DAQ + Software), Constant temperature water bath, Solar flat plate collector, Robotics Kits | 33,53,108.00 |
| 9 | Modelling and | Ansys 2021R and SolidWorks 2022 | 11,32,800.00 |
| | | Dissection Microscope | 7,250.00 |

| | | | |
|--------------|-------------------------------------|---|-----------------------|
| 10 | Biotechnology Lab | Compound Microscope | 27,500.00 |
| | | Vertical Autoclave(22 lit) | 55,000.00 |
| | | Manual Rotatory Microtome | 27,500.00 |
| | | Microcentrifuge | 28,500.00 |
| | | Hot Air Oven | 49,700.00 |
| | | Finepipette F2 GIP-Kit | 46,661.00 |
| 11. | Media Centre | Interactive Display 75inches, 12x Optical Zoom Camera with Stand, Wireless Combo Microphone, Audio Interface Camtasia Studio-2022 (Licensed), Desktop PC (i5 10 th generation Processor, 16GB DD4 RAM, 128GB SSD, 1TB HDD, 4GB Graphics Card, 27inch Monitor), Pen Tablet, Green Screen, Speaker, Wireless Keyboard and Mouse, Lights with Stand | 15,000,00.00 |
| 12. | Solar Roof Top | 75 Wp Solar Rooftop Power Plant | 34,21,800.00 |
| 13. | CSE & IT | Desktops PCs (200 no.) with the latest configuration for setting up a new lab | 1,75,70,200.00 |
| | | Laptops (25 Nos') | 20,44,940.00 |
| | | Printers (08 Nos') | 1,53,464.00 |
| | | Network (Wi-Fi & LAN) | 86,05,908.00 |
| | | Software's | 12,31,351.00 |
| | | Interactive Display Panels (IDPs)- 21 Nos' | 49,02,000.00 |
| 14. | Establishment of a new Computer Lab | ACs & Furniture Cost | 50,000,00.00 |
| Total | | | 2,60,46,690.00 |

9. LIBRARY RESOURCE CENTER:

- Total no. of books till date – **29640 books**
- Total no. of Titles- **5237 Titles**
- Amount spent in Purchasing of Books in the year 2022-23 – **₹ 7,65,005**
- Total no. of Hard Copy Journals – **128 Journals**
- Investment done for Hard Copy Journals -**₹ 5,48,452.00**
- E-Journals subscribed – **03**
- Cost of E-Journals - **₹ 11,36,620**

10. CENTRES OF EXCELLENCES:

The University has Six Centres of Excellence to nurture innovation, research, and entrepreneurship among students. The details about the Centres are:

i) RESEARCH AND DEVELOPMENT CELL (RDC):

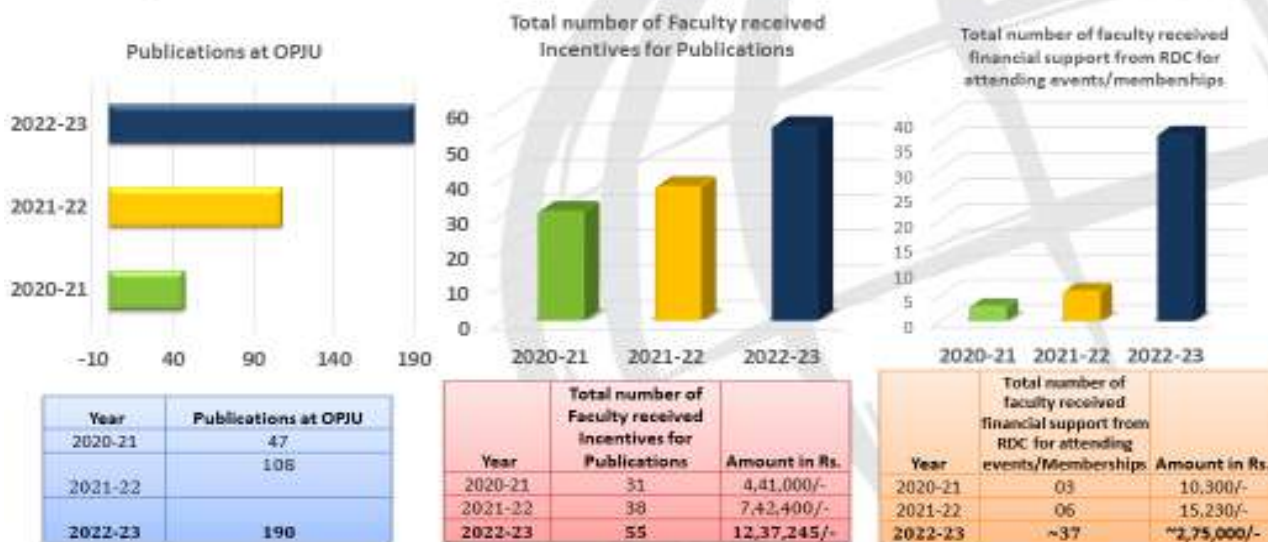
Objectives:

- Promote a culture of research and scholarship amongst the faculty members.
- To bring OPJU into the National Institutional Ranking Framework (NIRF).
- Become a central repository of all research-related activities.
- Vet and approve all research-related activities.
- Ensure quality research and innovation in the university by educating the faculty/staff/students regularly.

CRE is dedicated to providing training and guidance to all the faculty members of the university, resulting in a surge in research activity. Following are the statistics of CRE at the University.

RDC (CRE) Statistics of Last Three Years

❖ RDC is dedicated to provide training and guidance to all the faculty of the university as a result the university has witnessed an increase in the research activity.



UNIVERSITY OF STEEL TECHNOLOGY AND MANAGEMENT

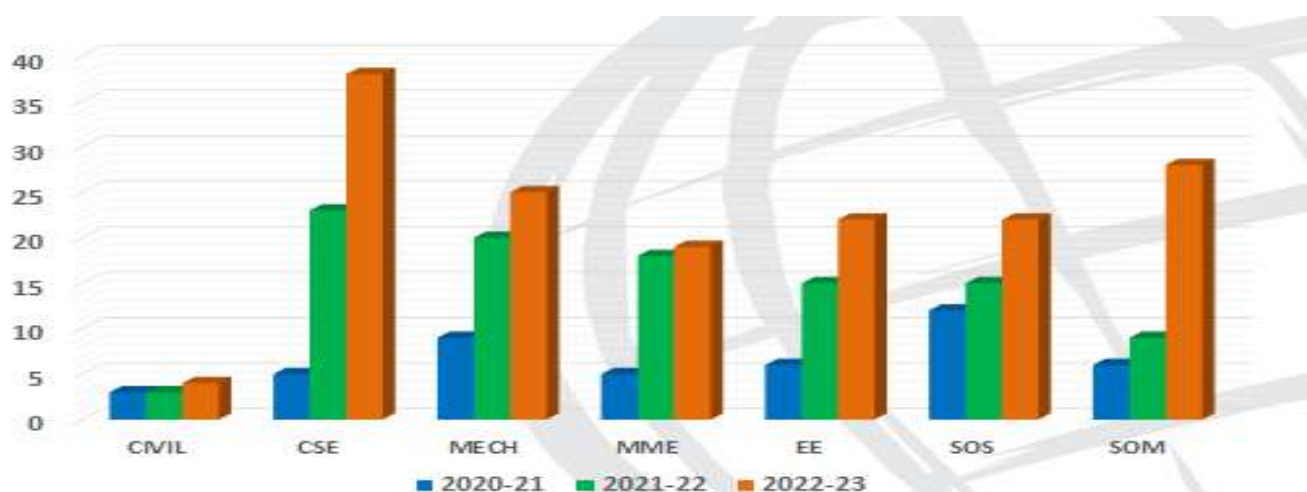
Research & Publication in the year 2022-23:

| Department/School | Number of Publication in International Peer Reviewed Journals | | |
|----------------------|---|-------------------|-------------------|
| | SCOPUS/SCI (A) | UGC Care-1 (B) | Non-SCOPUS (C) |
| Civil | 4 | - | - |
| CSE | 29 | - | - |
| Mechanical | 23 | 2 | - |
| Metallurgy | 18 | 1 | - |
| EE | 14 | - | - |
| School of Science | 16 | - | 2 |
| School of Management | 22 | - | - |
| Total | 137 | 3 | 2 |
| A+B+C | 142 | | |

Book/Edited Volume/Book Chapters Publication in 2022-23:

| Department/School | Number of Publication (Books/ Edited Volume/ Book Chapter) | | |
|----------------------|--|--------------|----------------------|
| | Book Chapters (A) | Books (B) | Edited Volume (C) |
| Civil | - | - | - |
| CSE | 4 | 3 | 2 |
| Mechanical | 1 | - | 1 |
| Metallurgy | 1 | - | - |
| EE | 4 | 3 | 1 |
| School of Science | 1 | 4 | 1 |
| School of Management | 5 | 1 | - |
| Total | 16 | 11 | 5 |
| A+B+C | 32 | | |

Overall Publications Statistics for the last three years (August 2019 to August 2023):



i) **Incentives for Publications in Peer Reviewed Journals/Books/Book Chapters/Edited Volumes / Patents (2022-23)**

| S. No. | Name of Schools | Amount (in Rs.) |
|--------|-----------------------|---------------------|
| 1. | School of Engineering | 8,41,852.00 |
| 2. | School of Management | 2,30,626.00 |
| 3. | School of Science | 1,64,767.00 |
| | Total | 12,37,245.00 |

(In words: Rs. Twelve Lac Thirty-Seven Thousand Two Hundred Forty-Five Only)

Patent Statistics of the last three years:



| S. No. | Details of Publications |
|--------|---|
| 1 | Mukesh Shyamkant Desai, Kirti Singh Yadav, S. S. Rathi "Application of Single Minute Exchange of Die for the Reduction of Loading Time of Auto-car in Railway Wagons" International Journal of Engineering Research and Applications (IJERA), Vol. 12 - No. 7, July 2022, ISSN: 2248-9622. DOI: 10.9790/9622-1207014356 |
| 2 | Vijaywargiya, A., Bhiwapurkar, M. K., & Thirugnanam, A. (2022). Ergonomics Evaluation of Manual Lifting Task on Biomechanical Stress in Symmetric Posture. International Journal of Occupational Safety and Health, 12(3), 206-214. |
| 3 | Singh, J.K., Rout, A.K. Characterization of raw and alkali-treated cellulosic fibres extracted from <i>Borassus flabellifer</i> L.. Biomass Conv. Bioref. (2022). https://doi.org/10.1007/s13399-022-03238-x |
| 4 | Kumar, S., Dadas, S. S., & Parhi, D. R. (2022). Path planning of mobile robot using modified DAYKUN - BIP virtual target displacement method in static environments. Wireless Personal Communications, 1-19. |
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| 7 | Vijaywargiya, A., Bhiwapurkar, M. K., & Thirugnanam, A. (2023). Effect of Lifting Weight, Height and Asymmetry on Biomechanical Loading during Manual Lifting. <i>International Journal of Occupational Safety and Health</i> , 13(2), 180-189. |
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| 12 | Muralikrishna, Y., Mohan Jagadeesh Kumar, M., Aravind, B., & Sahu, M. K. Comparative studies on the performance of plain, perforated, threaded, and threaded-perforated pin fin: A numerical approach. <i>Heat Transfer</i> . |
| 13 | CHOUDHARY, T., VERMA, T. N., SAHU, M. K., RAJAK, U., & SANYAJ, S. (2021). Thermodynamic sensitivity analysis of SOFC integrated with blade-cooled gas turbine hybrid cycle. <i>Journal of Thermal Engineering</i> , 9(1), 205-217. |
| 14 | Kumar, S., & Parhia, D. R. (2023). Multi-target trajectory planning and control technique for autonomous navigation of multiple robots. <i>ISA Transactions</i> . |
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| 177 | Saroj Kumar Chandra et.al. Impact of Fake News on Society with Detection and Classification Techniques CRC Press, Taylor & Francis Group |
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List of Patents Granted in the year 2022-23:

| S. No. | Title | Name of Faculty | File Number | Country |
|--------|--|---|-----------------|--------------|
| 1 | A process for fabricating aluminium, boron carbide-based aluminium matrix composites using powder metallurgy route | Prof. Neeraj Kumar | 2021101683 | Australia |
| 2 | A Tin Silver-Plating bath using Methane Sulfonate For Low Alpha Solder Bumping | Prof. Neeraj Kumar | 2021104459 | Australia |
| 3 | A Device For Agglomeration Of Fines | Dr. Satish Kanhed Dr. Trinath Talapaneni Dr. S. Chakrabarti | 2021/10662 | South Africa |
| 4 | Method Of Reducing Resistance Of Transparent Conducting Thin Films Using Novel Chemical Reduction | Prof. Neeraj Kumar | 2022/03893 | South Africa |
| 5 | A Novel Sustainable Cultivation Method For Ayurvedic Herb Lemongrass | Dr. Dipti Shukla | 2022/07836 | South Africa |
| 6 | A rail cooling device for heat treatment of rails | Dr, Kalyan Phani | 20 2022 107 235 | Germany |
| 7 | The Extraction process of Borassus blabellifer L. leaf fine fibre | Prof Jitesh Singh, Satish | 2023/02070 | South Africa |
| 8 | A system for introducing controlled thread porosity by implementing a solder wire in a hydroxyapatite specimen | Dr. Siddharth Chakrabarti | 20 2023 100 029 | Germany |
| 9 | Electrochemical Cell for Corrosion Testing | Prof. Neeraj Verma | 60303713 | UK |
| 10 | A Novel Acoustic Fluidized Bed Device For Heat Transfer Application | Mr. Gabhane Mohit, PhD Scholar, OPJU | 2021107426 | Australia |

List of Patents Published in the Year 2022-23:

| S. No | Title | Faculty Name | File Number | Country |
|-------|--|---|----------------------|---------|
| 1 | Designing Nanostructured Photovoltaics On Solar Panels To Increase The Efficiency Of Solar Energy Utilization | Dr. KN Singh | 202241039620 | India |
| 2 | A Machine Learning-Based Approach To Plot Graphs Based On Statistical Data Analysis Of Patients Suffering From Cancer Due To Smoking | Dr. KN Singh | 202241018864 | India |
| 3 | A Novel Inclusive Educational Model For Children With Greater Disabilities | Dr. Saurabh Gupta + 10 | 202221031673 | India |
| 4 | A System for Manufacturing Transparent Conductive Film | Prof. Neeraj Kumar +4 | DE20/2021/105/684/U1 | Germany |
| 5 | Effect Of B-Site Disorder On The Ferro Electric Properties Of Bzt Ceramics | Dr. Deepak Patel + 5 | 202221022529 | India |
| 6 | Device For Effective Generation And Utilization Of Steam For Steam Turbine | Dr. Satish Kanhed Dr. S Chakrabarti | 201921049004 | India |
| 7 | Multi-focal Concurrent Solar Heating System | Dr. Satish Kanhed, Dr. M. Kalyan Phani, Dr. S Chakrabarti | 202121056205 | India |
| 9 | A Novel Inclusive Educational Model For Children With Greater Disabilities | Dr. Saurabh Gupta | 202221031673 | India |
| 10 | A Method Of Preparation Of Silver Dendrites Using Graphene Electrodes | Dr. Ram Sevak Singh | 202221039611 | India |
| 11 | IoT based Automatic detection and prevention of all types of leaf disease and other environmental factors using AI camera, WSN and Machine learning algorithms | Dr. Gulshan Soni | 202241070928 | India |
| 12 | AI and machine learning-based smart tractors, agribots and robotics for remote agricultural operations | Prof. Pushpanjali Shadangi | 202241067469 | India |
| 13 | Neural Networks System for tracking and controlling robots | Dr. Soumya Singh | 202211070739 | India |
| 14 | Smart Traffic Management System Using Artificial Intelligence, Internet Of Things (IoT) And Embedded With Techniques Of Video Processing | Dr. Deepak Singh | 202311000305 | India |
| 15 | Systematic Study To Analyze The Impact Of Discrete Mathematics And Probability In The Theory Of Machine Learning | Mr. Manas Ranjan Mishra | 202341003382 | India |
| 16 | Topic Models System Using Neural Networks | Dr. Gulshan Soni | 202311003249 | India |
| 17 | Building Cooperative Construction System Based On Artificial Intelligence Technology In Building Construction Management System Modelling | Dr. Anurag Sharma | 202331004058 | India |

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| 18 | Techniques Of Green Fabrication Of Stable Lead-Free Bismuth Based Perovskite Solar Cells Using A Non Toxic Solvent | Dr Girish C Mishra | 202341003877 | India |
| 19 | Use of Smart Nanoparticles in the Treatment of Breast Cancer | Dr. Anal Kant Jha | 202341007276 | India |
| 20 | Efficient deep image compression system with auto-encoders for different sub-band frequencies | Dr. Rakesh Patidar | 202241065491 | India |
| 21 | A Method For Making Customer Purchase Decision | Dr. Jaya Prakash Rath | 202321007442 | India |
| | | Dr. Saurabh Gupta. | | |
| 22 | Quality Of Services (QOS) Improvement System In Software Defined Iot Using Deep Optimal Route Neural Network | Prof. Shashikant Kaushaley | 202241064833 | India |
| 23 | An IoT Based Wind Energy Generation System And Method Thereof | Prof. Shashikant Kaushaley | 202241070477 | India |
| 24 | A System For Providing Cyber Security By Improved Predictive Potential Of Machine Learning And Method Thereof | Prof. Shashikant Kaushaley | 202341001491 | India |
| 25 | Machine Learning-Based Approach To Study The Influence Of Earthquake Parameters On The Bidirectional Behaviour Of Base Isolation Systems | Dr. Swapnasarit Kar | 202211072025 | India |
| 26 | Implementation of Artificial Intelligence and Blockchain integrated Billing Architecture for Charging of Electric Vehicles | Dr. Amit Jain | 202341006024 | India |
| 27 | The Role Of Blockchain Applications In Supply Chain Management | Dr. Saket Jeswani | 202321008875 | India |
| 28 | Smart Home Energy Management System Control through Deep Reinforcement Learning | Dr. Himanshu Vaishnav | 202341013222 | India |
| 29 | An Artificial Intelligence Algorithmic Approach To Ethical Decision-Making In Human Resource Management Processes | Dr. Arti Vaish | 202311014382 | India |
| 30 | Application Of Linear Algebra And Partial Derivatives To Machine Learning And Artificial Intelligence | Dr. Manas R. Mishra | 202341015521 | India |
| 31 | Machine Learning-Based Approach to Study the Lead-Free Bismuth-Based Perovskite Materials for Solar Cell Applications | Dr. Ankur Rastogi | 202311016895 | India |
| 32 | A Novel Iot Based Electrical-Induced Abortion Suction Machine | Dr. Arti Vaish | 202311017171 | India |
| 33 | An IoT Based Wind Energy Generation System And Method Thereof | Mr.Prasanta Kumar Jena | 202241070477 | India |
| 34 | A Secure System To Protect Digital Data Using Significant Bit Substitution | Mr.Prasanta Kumar Jena | 202241063781 | India |
| 35 | Method and System for Real-Time Image Recognition and Classification using Deep Learning and Artificial Intelligence | Prof. Shashikant Kaushaley | 202341029522 | India |

Book Published in the year 2022-23:

| S. No. | Faculty Involved | Book Details |
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| 1 | Dr. Mithilesh Sahu, Dr. Siddharth Chakrabarti | Sustainable Approaches and Strategies for E-waste Management and Utilization, IGI Global, 2022 DOI: 10.4018/978-1-6684-7573-7, ISBN13: 9781668475737 |
| 2 | Dr. Sandeep Biswal | "Machine Learning and AI Techniques in Interactive Medical Image Analysis" Edited Book, IGI Global, 2022, DOI: 10.4018/978-1-6684-4671-3, ISBN13: 9781668446713 |
| 3 | Dr. G. M. Rao | Published a book on " <i>Renewable Energy Sources</i> " with IIP Publishers, 2023. ISBN: 978-93-5747-023-0, (Indian Publisher) |
| 4 | Dr. G. M. Rao | Published a textbook titled " <i>Advanced Sensor Technology</i> " with Mahi Publications, Ahmedabad with ISBN Number: 978-93-95581-86-8, 2023 (Indian Publisher) |
| 5 | Dr. G. M. Rao | Published a textbook titled " <i>A Textbook of Hybrid Electrical Vehicles</i> " with Iterative International Publishers, Bengaluru with ISBN Number 978-93-5747-293-7, 2023, (Indian Publisher) |
| 6 | Dr. Arti Vaish | Adaptive Power Quality for Power Management Units Using Smart Technologies, CRC Press, Taylor & Francis Group, 2023, ISBN 9781032392998 |
| 7 | Dr. Rakesh Nayak | Foundation of Computer Science, ISBN: 978-81-961769-1-4, GCS PUBLISHERS, 2023. |
| 8 | Dr. Rakesh Nayak | Python for Engineers and Scientists Concepts and Applications, ISBN: 9781032111032, published by CRC Press. DOI: https://doi.org/10.1201/9781003219125 , 2022. |
| 9 | Dr. Bhupesh Kumar Dewangan | Exploring Future Opportunities of Brain-Inspired Artificial Intelligence, DOI: 10.4018/978-1-6684-6980-4, ISBN13: 9781668469804, IGI Global, 2023 |
| 10 | Dr. R. S. Singh | Emerging Two Dimensional Materials and Applications, CRC Press, Taylor & Francis Group, 2022. ISBN: 9781003247890 |
| 11 | Mr. Manoj Mishra | Operation Management, ISBN: 9789395331951. RK Publishers, 2022 |
| 12 | Dr. Sanjay Singh | Business Communication, Alpha International Publication |
| 13 | Dr. Gopal Rathore | Vyavsaik Sankhaiki (Business Statistics), MP Hindi Granth Academy, ISBN: 978-93-95802-14-7, 2023 |

Central Instrumentation Facility (CIF) for Research:

OP Jindal University (OPJU) has set up the Central Instrumentation Facility (CIF) with the prime objective of supporting the research and development activities carried out by the faculty, staff, research scholars and students. CIF have a wide range of sophisticated analytical and fabrication equipment/techniques for chemical/mechanical/metallurgical characterization of a range of samples and is operated by the Research and Development Cell (RDC) established by the university.

List of Equipment available under CIF:

| S. No. | Name of Equipment | S. No. | Name of Equipment |
|--------|------------------------------|--------|------------------------------|
| 1 | Scanning Electron Microscopy | 12 | Jominy End Quench Test Setup |
| 2 | X-Ray Diffractometer | 13 | Jominy End Quench Test Setup |
| 3 | Stir Casting Machine | 14 | Disc Pelletiser |
| 4 | Hardness Testing Machines | 15 | Micum Drum |

| | | | |
|----|---|----|---|
| 5 | Induction Furnace (Temp – 2000 deg C) | 16 | Tumbler Drum |
| 6 | Cold Crushing Strength (CCS) Machine | 17 | Tubular Furnace |
| 7 | Muffle Furnace (Temp: 900 deg C, 1000 deg C and 1300 deg C) | 18 | Vibratory Cup Mill |
| 8 | High Temperature Muffle Furnace (Temp: 1800 deg C) | 19 | High-sensitive Fluorescence Spectrometer |
| 9 | Pin-On-Disc Machine | 20 | 3D Printer |
| 10 | Welding Facility | 21 | Electrical Facility |
| 11 | Potentiostat and Galvanostat | 22 | Vertical Muffle Furnace (Temp 1000 deg C) |



X-Ray Diffractometer (XRD)



Scanning Electron Microscopy (SEM)



CNC Wire Cut EDM



FLAT BED CNC LATHE MACHINE


Digitally controlled synergic air-cooled 400A
MIG/MAG CMT Robotic welding machine


MIG/MAG and TIG Welding Machine

Details of Consultancy Projects:

| S. No. | Title of the Project | Faculty in-charge | Unit Name |
|--------|---|---|-----------------------------|
| 1 | Innovative Bus Bar Protection Technique | Dr. Sandeep Biswal (Asst. Prof.)-EE | JPL Tamnar |
| 2 | 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 | Dr. S. Das (Steel Chair Professor), Dr. Trinath Talapaneni (Asst. Prof.), -Meta | DRI, JSPL, Raigarh |
| 3 | Optimisation of compositions and processing parameters for reducing crack susceptibility of micro-alloyed steel. | Dr. Rajesh Jha (Asso. Prof.), Dr. S. Das (Steel Chair Professor) -Meta | SMS, JSPL, Raigarh |
| 4 | Utilization of Submerged Arc Furnace Slag | Dr. Trinath Talapaneni (Asst. Prof.), Dr. S. Das (Prof.-Meta | SAF, JSPL, Raigarh |
| 5 | Value-added utilization of Fly Ash for a sustainable solution | Dr. Sibnath Kayal (Asso. Prof.), Dr. Trinath Talapaneni (Asst. Prof.) and Dr. S. Das (Prof.)-Meta | JPL, Raigarh |
| 6 | Controlled in-line cooling of JSPL Rails - Inconsistency in hardness of Head Hardened Steel | Dr. M. K. Phani (Asso. Prof.), Dr. S. Das (Steel Chair Professor), Meta | RUBM and TSD, JSPL, Raigarh |
| 7 | Use of Multifocal Concurrent Solar Heating System/ Alternative Source of heating in Metal Melting/Treating Process | Dr. Satish Kanhed, Prof. Akash Pandey, Dr. Umesh Vishwakarma , Dr. Siddharth S Chakrabarti | NSPL, Raigarh |
| 8 | Use of Multifocal Concurrent Solar/Microwave/Induction Heating System in Water Boiling Process for Steam Turbine | Dr. Satish Kanhed, Prof. Akash Pandey, Dr. Umesh Vishwakarma , Dr. Siddharth S Chakrabarti | JPL, Tamnar |
| 9 | Application of Water Sprinklers and Bent Chimneys for Air Pollution (Coal dust) Reduction | Dr. Satish Kanhed, Prof. Akash Pandey, Dr. Umesh Vishwakarma | NSPL, Raigarh |
| 10 | Design and Development of a drone to minimize boiler inspection time | Dr. Mithilesh K. Sahu, Dr. Siddharth S Chakrabarti | JPL, Tamnar |
| 11 | Design and Development of calibration system for hydraulic servomotor to control pitch angle blade of PA fan | Dr. Mahesh Bhiwapurkar, Dr. L. R. Bhandarkar | JPL, Tamnar |
| 12 | To improve the life of convener and reduction of wear in CHP belt convener | Dr. Mahesh Bhiwapurkar, Dr. L R Bhandarkar | JPL Tamnar |
| 13 | Prediction and Optimization Technique for condenser vacuum in Thermal Power plant | Dr. Siddharth S Chakrabarti, Dr. Saroj Chandra, Dr. L. R. Bhandarkar, Akash Pandey | JPL, Tamnar |
| 14 | Use of microwave for drying wet coal fines | Dr. Satish Kanhed, Dr. Siddharth Chakrabarti | NSPL, Raigarh |
| 15 | Productivity Improvement by Reducing the Section Change Time of the Rolling Mill at Nalwa Steel & Power Ltd. (NSPL), Raigarh. | Dr. Mukesh S Desai, Dr. B.P. Panda, | JSPL, Raigarh |

Sponsored/Other Project:

| S. No. | Project Title | Name of the Faculty and Role | Funding Agency | Fund Amount | Status |
|--------|---|---|--|--|----------|
| 1 | Development of a prototype device for oxygen separation from air, a strategic technological solution to control the food spoilage to International Cooperation Bilateral scheme (DST- India and MSTR - Sri Lanka) | Dr. Sibnath Kayal (PI) | International Cooperation Bilateral Scheme | 30.32 Lakhs | On-Going |
| 2 | "Tailoring the properties of 2D materials using WO ₃ and MoO ₃ nanostructures" | Dr. R. S. Singh (Co-PI) | UGC-DAE CSR | 14 Lakhs | On-Going |
| 3 | "Utilization of micro-fines generated in agglomeration process to enhance the plant productivity" | Dr. M. Kalyan Phani (Subject Matter Expert) | UGC Stride Project, Kazi Nazrul University | 3.5 Lakhs ((Phase I & II Submitted for approval) | On-Going |
| 4 | Filing Machine Tool | Prof. L R Bhandarkar | UBA, IIT Delhi | 0.25 Lakhs | On-Going |

ii) CENTER FOR CORPORATE EDUCATION & TRAINING (CCET)

The Centre for Corporate Education and Training (CCET) at OPJU is a unique setup to ensure corporate excellence at the workplace. It aims to blend the education systems with corporate expertise and dedicated training insights, so that the employees of the corporate sectors are groomed and updated to possess higher competencies as per the demands of the industry. The CCET has been created with the sole purpose of developing skills and knowledge at the service and corporate levels. The CCET understands business and is equipped with the right resources, knowledge of skills and tools required to train executives to face challenges and meet opportunities at the workplace across various sectors like Steel, Power, Mining, Manufacturing, Telecom, Logistics, and Services Industries.

OBJECTIVES:

To ensure corporate excellence at the workplace, CCET has the following objectives

- Develop Customized Curriculum Design and Executive Development Program
- Develop a Management Development Program
- Develop Induction Program: New Employees or New Roles
- Develop Competency Development Program: Career advancement or promotion
- Develop Collaboration between Industry and Academia
- Develop Collaborative Research Activities

Training Area of CCET



List of Training conducted in the year 2022-23:

| S. No | Name of Organization | Title of the Training | Date | Conducted By | Days | No. of Participants |
|-------|----------------------|---|----------------------|---|------|---------------------|
| 1 | JPL Tamnar | Competency Development Program | July 15, 2022 | Dr Mahesh, Dr S K Singh, Prof. Brijesh Songotra | 05 | 16 |
| 2 | JPL Tamnar | Campus to Corporate | July 25, 2022 | Prof. Soumitra Tiwari | 1 | 27 |
| 3 | JSP Raigarh | Campus to Corporate | July 26, 2022 | Prof. Soumitra Tiwari | 1 | 29 |
| 4 | JPL Tamnar | TOC/One Thing/ Extreme Ownership | July 26, 2022 | Dr Shesadev Nayak | 1 | 27 |
| 5 | JPL Tamnar | Interpersonal Skill | July 27, 2022 | Prof. Vishnu Tamrakar | 1 | 27 |
| 6 | JPL Tamnar | Core value vision Mission | July 29, 2022 | Dr Shesadev Nayak | 1 | 27 |
| 7 | JPL Tamnar | Thermodynamics & Fluid Mechanics of thermal power Plant | 4 Aug, 2022 | Mithilesh Sahu/ Akash Pandey | 1 | 27 |
| 8 | JSP Angul | Finance for Non-Finance | 4 Aug, 2022 | Dr Ankit Singh | 1 | 43 |
| 9 | JSP Angul | Concept of Project Management | 5 Aug, 2022 | Dr Biranchi Panda | 1 | 48 |
| 10 | JSP Angul | Business Etiquettes | 6 Aug, 2022 | Dr Shesadev Nayak | 1 | 47 |
| 11 | JSP Angul | Campus to Corporate | Aug 8, 2022 | Dr Shesadev Nayak | 2 | 47 |
| 12 | JSP Raigarh | One Thing/ Extreme Ownership /Theory Of Constraint | 12 Aug & 21 Sep 2022 | Dr Shesadev Nayak/Dr Bhupesh Tiwari | 1 | 29 39 |
| 13 | JSP Raigarh | Team Building | 16 Aug, 2022 | Dr Jai Prakash Rath | 1 | 29 |
| 14 | JSP Raigarh | Interpersonal Skill | 17 Aug, 2022 | Vishnu Tamrakar | 1 | 29 |
| 15 | JSP Raigarh | Finance for Non-Finance | 18 Aug, 2022 | Dr Ankit Singh | 1 | 29 |
| 16 | JSP Raigarh | Core value vision Mission | 20 Aug, 2022 | Dr Shesadev Nayak | 1 | 29 |
| 17 | JSP Angul | Campus to Corporate | Aug 22, 2022 | Prof. Soumitra Tiwari | 2 | 30 |
| 18 | JSP Angul | Advanced Excel | Aug 26-27, 2022 | Prof. Umashankar Pandey | 2 | 38 |
| 19 | JSP Angul | Concept of Project Management | Aug 29, 2022 | Dr Biranchi Prasad Panda | 1 | 38 |
| 20 | JSP Angul | Finance for Non-Finance | Aug 30, 2022 | Prof. Ankit Singh | 2 | 38 |
| 21 | JSP Raipur | Communication & Presentation Skill | Sep 6, 2022 | Dr S K Singh | 1 | 20 |
| 22 | JSP Raigarh | Basic and Advanced Excel | Sep 8, 2022 | Prof. Umashankar | 1 | 30 |
| 23 | JSP Raigarh | Word & PowerPoint | Sep 9, 2022 | Prof. R N Shukla | 1 | 30 |
| 24 | JSP Raigarh | Competency Development Program | Sep 12, 2022 | Dr Nayak/Dr S K Singh/Dr Mahesh | 2 | 82 |
| 25 | JSPL Raigarh | Concept of Project Management | Sep 23, 2022 | Dr Biranch Prasad Panda | 1 | 41 |
| 26 | JSP Raipur | Positive Attitude | Oct 3, 2022 | Dr Saket Jeswani | 1 | 20 |
| 27 | JSP Raigarh | Campus to Corporate | Oct 18, 2022 | Prof. Soumitra Tiwari | 1 | 51 |

| | | | | | | |
|----|-------------|--|------------------------|--------------------------------|---|-------|
| 28 | JSP Raigarh | One Thing/EO/TOC | Oct 19, 2022 | Dr Nayak/Dr Bhupendra Tripathy | 1 | 51 |
| 29 | JSP Raigarh | JSP Code of Conduct, Vision, Mission, Core Value | Oct 20, 2022 | Dr Seshadev Nayak | 1 | 51 |
| 30 | JPL Tamnar | AI for Power Plant | Oct 21, 2022 | Dr Rajesh Jha | 1 | 20 |
| 31 | JSP Raigarh | Team Building | Nov 11, 2022 | Dr Jaiprakash Rath | 1 | 51 |
| 32 | JSP Raigarh | Interpersonal Skill | Nov 12, 2022 | Prof. Vishnu Tamrakar | 1 | 51 |
| 33 | JSP Raigarh | Basic & Advanced Excel | Nov 14, 2022 | Prof. U. Pandey | 1 | 51 |
| 34 | JSP Raigarh | MS Word & Power Point | Nov 15, 2022 | Prof. Asimkiran | 1 | 51 |
| 35 | JSP Raigarh | Project Management | 30 Nov and 01 Dec 2022 | Dr Biranchi Prasad Panda | 2 | 24/34 |
| 36 | JPL | Design Thanking | Mar 24, 2023 | Dr Seshadev Nayak | 1 | 22 |
| 37 | JPL | Supply chain Management | Jan 31, 2023 | Dr Biranchi Prasad Panda | 1 | 52 |
| 38 | JPL | IoT for Power Plant | Jan 6, 2023 | Dr Saroj Chandra | 1 | 17 |

The Total revenue generated by CCET in the year 2022-23 is 19.48,000.00

Glimpses of the CCET Program:

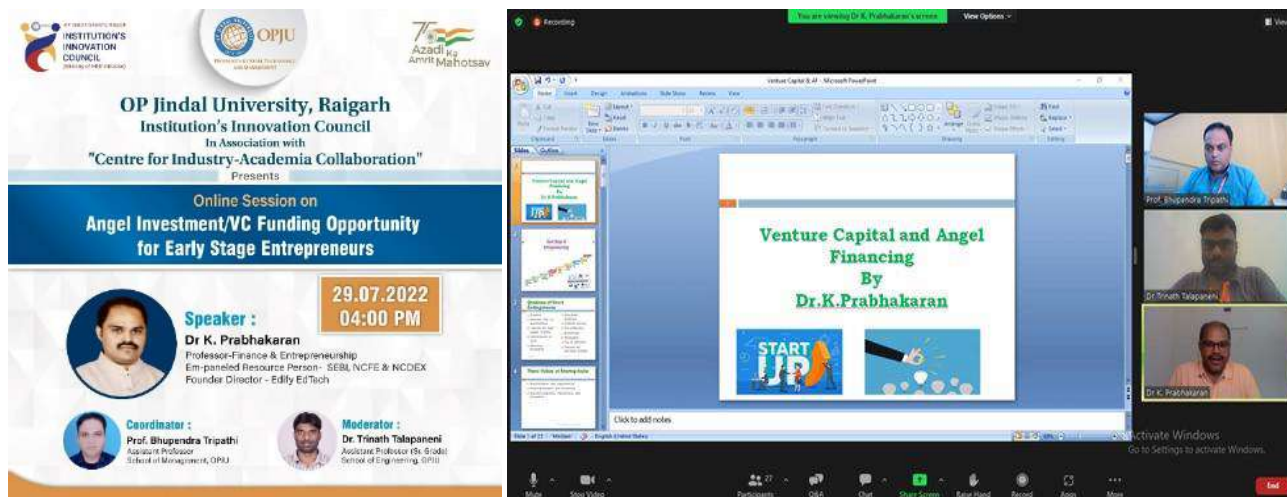


iii) CENTER FOR INDUSTRY ACADEMIA COLLABORATION (CIAC):

The University has established the Centre for Industry-Academia Collaboration (CIAC) and formed the Industry Advisory Board (IAB) with a mission to build long-lasting partnerships with Industry and promote the role of our industry partners across teaching, research, and corporate education. Building a constructive framework for industry-academia collaborations and partnerships is essential to develop globally competitive skilled workforce. Successful industry-academia collaborations are crucial to move towards the goal of making India, an innovation hub for the world. CIAC creates avenues to ensure that the academia keeps updating itself with the changing Industrial paradigms, and encourages the students to cultivate a more pragmatic outlook regarding the Industry and its expectations. The industry could also benefit from the knowledge of the ongoing R&D projects, and could then actively participate in those that might interest them. This will be achieved by forging a strong linkage between academia and industry.

Activities conducted by CIAC in the year 2022-23:

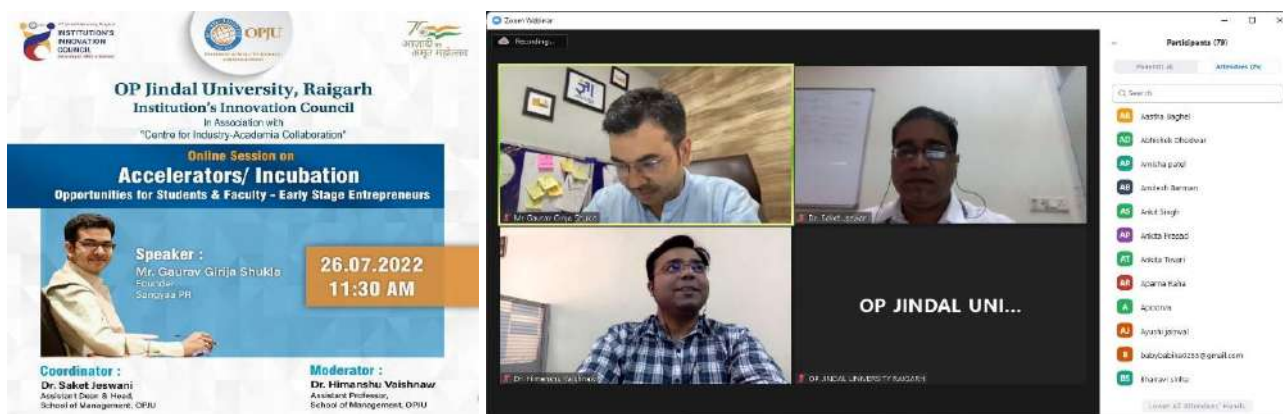
1. Institute Innovation Council, OP Jindal University in association with the Centre for Industry-Academia Collaboration organized a webinar on "Angel Investment/VC Funding Opportunity for Early Stage Entrepreneurs". Speaker of this event was K. Prabhakaran, Professor of Finance & Entrepreneurship, Institute,, Empaneled Resource Persons for SEBI, NCFE & NCDEX, Founder Director of Edify EdTech.



2. Institutional Innovation Council, O P Jindal University in association with the 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 each having 25 minutes of presentation and 5 minutes discussion on Q&A. Total time for the session was for 90 minutes. The session also included the future prospects in the growth of the nation, 10 years ahead, and benefits of such system for next generation. The broad themes of discussions were –
 - a) What is a start-up ecosystem? Importance of Such an ecosystem?
 - b) How it can be established/formed/created?
 - c) Role of stakeholders. How does a Student/ faculties/ society benefit from the start-up ecosystem?



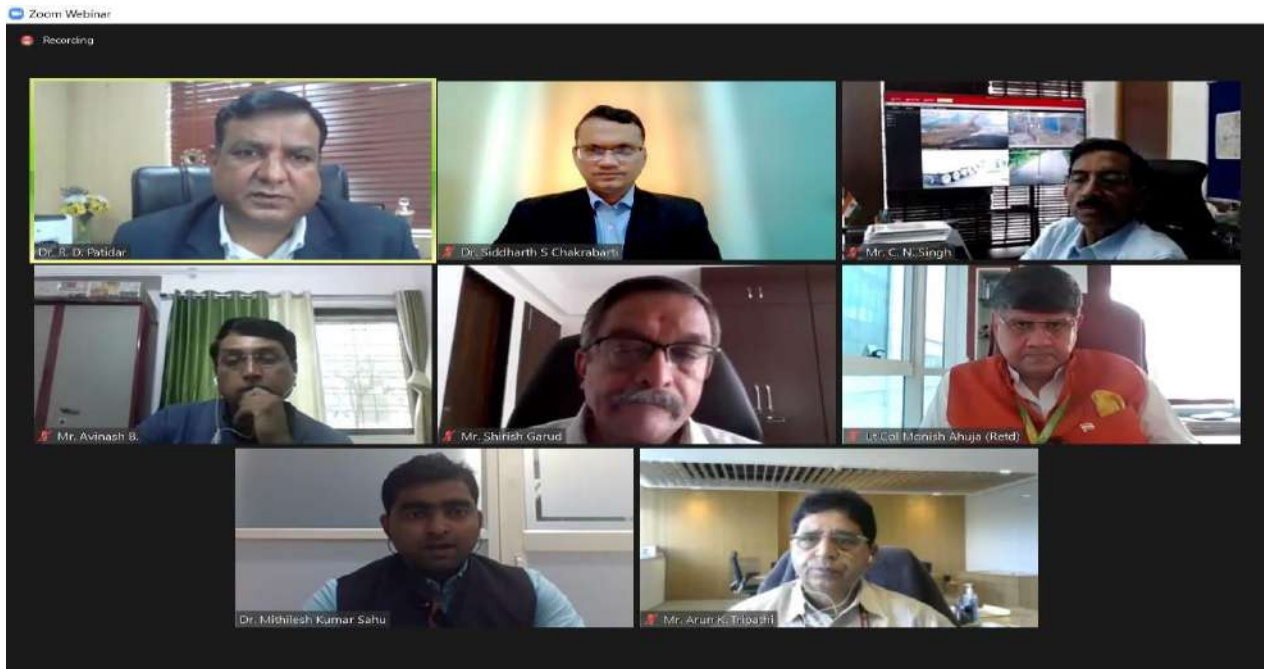
3. Institution's Innovation Council - OP Jindal University in association with the Centre for Industry-Academia Collaboration organized an online session on "Accelerators/Incubation: Opportunities for Students & Faculty - Early Stage Entrepreneurs" on 26 July 2022 from 11:30 AM. The program helped early-stage entrepreneurs to change their business ideas into reality.



4. An innovative idea may enhance the chance to create a successful start-up. Institution Innovation Council (IIC OPJU) in association with the Centre of Industry-Academia collaboration has organized a webinar on topic "Innovation/Prototype Validation: Converting Innovation into Start-up" on 27 July 2022. The event happened to be part of Entrepreneurship week of India.



5. The Department of Mechanical Engineering, OP Jindal University organized a five-days online FDP on "Energy Management in Power Plants" from 5-9 September 2022 in association with Chhattisgarh State Renewable Energy Development Agency (CREDA), Institution Innovation Council (IIC), Academic Staff College (ASC) and Jindal Power Limited (JPL). The main aim was to make the participants aware of the state-of-the-art, new research results, case studies, perspectives of future developments, and innovative applications in the field of energy management in power plants. The speakers of the event were - Mr. C. N. Singh, Executive Director & Plant Head, JPL Tamnar; Mr. Arun K. Tripathi, Ex. Director General, National Institute of Solar Energy & Scientist-G & Consultant, Ministry of New and Renewable Energy, Govt. of India; Mr. Shirish Garud, Senior Fellow and Director, The Energy and Resources Institute (TERI); Mr. Monish Ahuja (Retd. Lt. Col.), Chairman & Managing Director, Punjab Renewable Energy Systems Pvt. Ltd. (PRESPL), Chairman, Confederation of Biomass Energy Industry of India (CBEII); and Dr. R D Patidar, Vice- Chancellor, OPJU during the inaugural session. The Panellists emphasized the importance of energy management in power plants and pointed out the need for innovation in the new and renewable energy sources for sustainable development.



6. OP Jindal University received the prestigious AICTE-CII Awards 2021 on its 10th edition of the AICTE-CII Survey of Top Industry-Linked Technical Institutes on 1 September 2022.

Amongst a total of 1800 institutions from 28 states of the country participated in this survey, OP Jindal University stood first in the Engineering category and bagged the two prestigious awards -

- Best Industry-Linked Emerging Engineering Institute (Degree)
- Best Industry-Linked Mechanical & Allied Engineering Institute (Degree)

AICTE-CII Award 2021 for 'Best Industry Connect' to OPJU

■ Staff Reporter
 RAIPUR, Sept 2

O P JINDAL University (OPJU) emerged as the winner for best industry-academia linkage at the AICTE-CII survey of industry-linked Technical Institutes 2021 awards.

The results of the 10th AICTE-CII Survey of top Industry-Linked Technical Institutes 2021 were announced at the AICTE headquarters, New Delhi on Thursday.

OPJU bagged two prestigious awards, Best Industry-Linked Emerging Engineering Institute (Degree) and Best Industry-Linked Mechanical and Allied Engineering Institute (Degree) out of the seven awards in the Engineering category. OPJU stood first in the pan India survey of 1,800 institutions.

Vice-Chancellor Dr R D Patidar and Director, Centre for Industry Academia Collaboration and HoD Dr Siddharth Chakrabarti, Mechanical Engineering received the award on behalf of OPJU. They also participated in the farewell-cum-felicitation function of Dr Anil Shashrabudhe, for his contribution as a Chairman AICTE



Vice-Chancellor of O P Jindal University Dr R D Patidar receiving the prestigious award.

for seven years.

The award assessment is based on the AICTE-CII survey in terms of partnership between institutions and industry on parameters like curriculum design, faculty selection, governance, infrastructure, placements, research projects, and skill development. Every year this award is conferred to the institutes for their outstanding industry linkages in producing a new generation workforce for industry, society, economy, and a sustainable planet to live with utmost harmony. OPJU from the time of its inception in 2015 strived to build strong industry linkages to realise the

mantra of Learning by Doing.

With every new initiative, like establishing new centres of excellence with industry collaboration, offering six-month long internships in final year, offering courses on cutting-edge technologies, constantly bridging the gap between applied theories and engineering practices, OPJU ensures the students sense the pulses of the market, emerging trends and the industry practices through its industry linkages. It aims at building the students as the growth engines of India for which OPJU received such a prestigious award at the National level, said Dr R D Patidar, Vice-Chancellor

of OPJU.

Chancellor OPJU Shallu Jindal congratulated all concerned by expressing the truly happening motive of education to gain knowledge while learning new and contemporary skills of sustainability. It was more prideful to see the OPJU students fulfill the vision by developing innovative mind-sets, enabled by the industry connect. The value education imparted at OPJU makes its students good leaders, citizens and human beings. In addition, it received satisfactory note for promoting entrepreneurial skills and guiding start-ups through the incubation centre. This is how the university sets new benchmarks in higher education. Chairman, Jindal Steel and Power Naveen Jindal congratulated all members of the university. He was delighted to see the endeavour of outstanding honour in a competitive world. He appreciated the contribution of OPJU in the field of technical higher education while paying attention to education and all aspects of it. According to him, OPJU deserves congratulations and a special mention for its achievement.



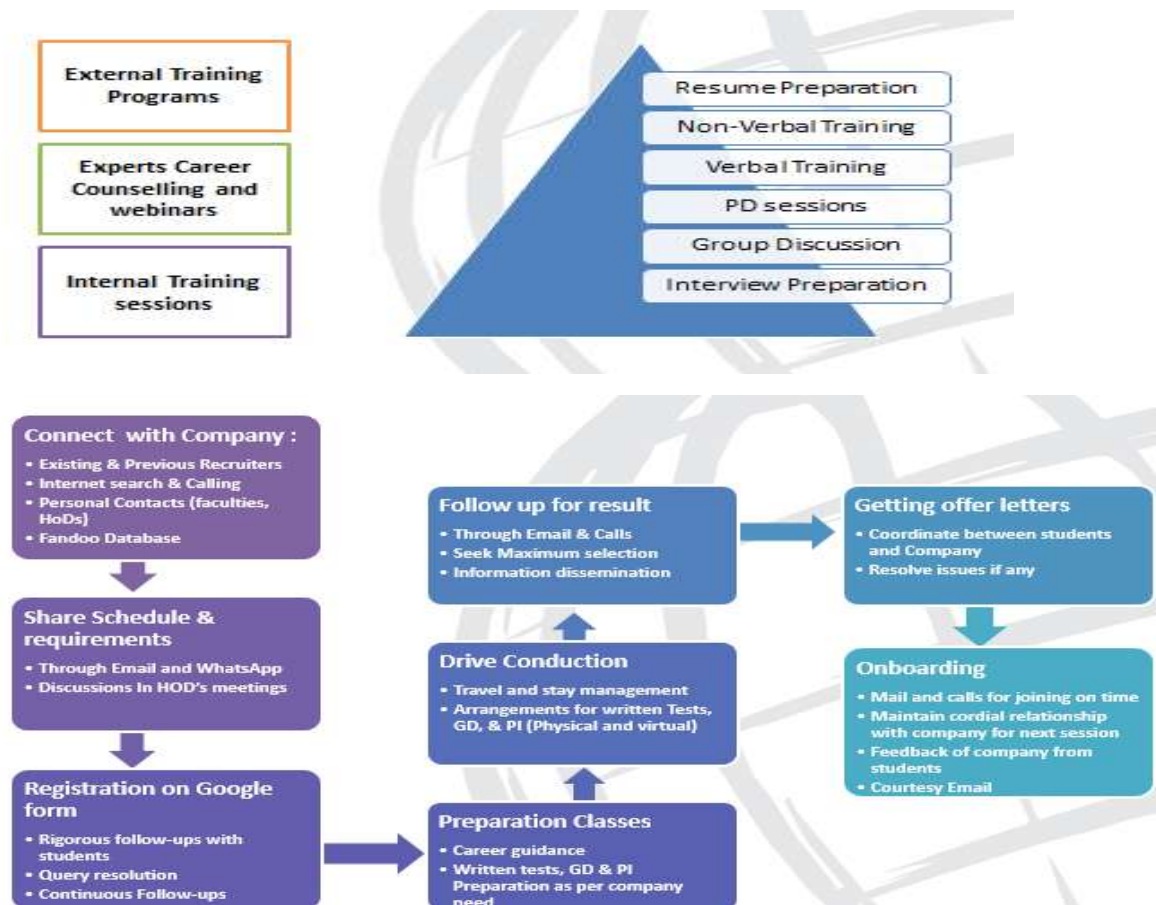
7. Dr. Siddharth S Chakrabarti, Director-CIAC and Dr S Nayak, Director-CDC has been invited as special guest by L&T EduTech in 'Industry-Academia Collaboration Meet 2022: Milestones and Way Forward' on 23 August 2022 from 9.00 AM to 4.00 PM at Hotel Radisson Blu, Wardha Road, Nagpur. The summit aims to bring together senior academic leaders from universities, engineering colleges and industry experts on one platform to discuss, deliberate and foster ideas and strategies to develop an industry-relevant ecosystem at campuses. Further, there was a campus visit of L&T EduTech on 13th Sept, 2022 for a prospective MoU between OPJU and L&T Edu Tech to train the students in different value-added courses.

iv) CAREER DEVELOPMENT CENTRE (CDC):

The Career Development Centre (CDC) of the OP Jindal University is a dynamic unit, which provides a comprehensive array of services and support to its students that will assist them in their lifelong Career Development and Placement. The CDC acts as a central hub for the overall development of the students aiming for the final placement. CDC acts as an interface between the industry and the students, and facilitates the campus recruitment drives of all the companies as per their requirements. CDC liaisons with industries and corporate organizations to provide suitable jobs and internship opportunities for all the candidates completing their studies at OP Jindal University.



Placement Drive Process Flow



Placement Highlights in the year 2022-23:



Companies visited in the year 2022-23

| S. No | Name of Company | S. No | Name of Company |
|-------|-----------------------------|-------|-----------------------------|
| 1 | TRL Krosaki Refractories | 21 | IFGL Refractories |
| 2 | JSW BPSL | 22 | Palirwal Hydrocarbon |
| 3 | RKM Power Gen | 23 | JSPL Patratu |
| 4 | Ind Synergy | 24 | ZF Associate |
| 5 | MSP Steel & Power | 25 | R.K Forgings |
| 6 | Real Ispat | 26 | Metalsa |
| 7 | Jayaswal Neco Industries | 27 | Tata Tinsplate |
| 8 | Godavari Steel [Hira Group] | 28 | Brakes India |
| 9 | BACS Energy | 29 | Automotive Axles |
| 10 | SISCOL | 30 | TRF Limited |
| 11 | Vandana Global | 31 | Aditya Aluminium (Hindalco) |
| 12 | Jain Software | 32 | Vedanta Aluminium |
| 13 | L&T | 33 | JSW Cement |
| 14 | Shyam Metalics | 34 | ACC Cement |
| 15 | Hindalco Hirakund | 35 | Agrawal Oil Extraction |
| 16 | JSW_Monnet | 36 | IB Group |
| 17 | Sarda Energy & Minerals | 37 | Atmastco |
| 18 | Steel Mint | 38 | SISCOL |
| 19 | Muthoot Finance | 39 | Simplex Engineering |
| 20 | FundTech | | |

Overall Placement Statistics in 2022-23:

| School | Program | Specialization | Registered | Eligible | Placed | Offers | Placed % Vs Eligible | Placed % Vs Registered |
|--------|---------|----------------|------------|----------|--------|--------|----------------------|------------------------|
| SOE | B.Tech | Civil | 11 | 7 | 5 | 6 | 71 | 45 |
| | B.Tech | Mech | 51 | 45 | 36 | 47 | 80 | 71 |
| | B.Tech | Meta | 56 | 41 | 45 | 49 | 110 | 80 |
| | B.Tech | EE | 30 | 21 | 24 | 39 | 114 | 80 |
| | B.Tech | CSE | 41 | 34 | 22 | 35 | 65 | 54 |
| | Diploma | Mech | 7 | 6 | 7 | 12 | 117 | 100 |
| | Diploma | Meta | 15 | 3 | 12 | 14 | 400 | 80 |
| | Diploma | EE | 7 | 2 | 5 | 7 | 250 | 71 |
| | M.Tech | CSE | 3 | 2 | 1 | 1 | 50 | 33 |
| | M.Tech | EEE | 1 | 1 | 0 | 0 | 0 | 0 |
| | M.Tech | Mech | 8 | 6 | 5 | 5 | 83 | 63 |
| SOM | M.Tech | Meta | 9 | 6 | 0 | 0 | 0 | 0 |
| | M.Tech | Civil | 3 | 1 | 0 | 0 | 0 | 0 |
| | BBA | BBA | 19 | 9 | 10 | 13 | 111 | 53 |
| SOS | MBA | MBA | 52 | 16 | 36 | 57 | 225 | 69 |
| | B.Com | B.Com | 4 | 3 | 3 | 3 | 100 | 75 |
| SOS | BSc | BSc | 6 | 5 | 4 | 4 | 80 | 67 |
| | MSc | MSc | 2 | 0 | 0 | 0 | 0 | 0 |
| Total | | | 325 | 208 | 215 | 292 | 103 | 66 |

New recruiters added in the year 2022-23:

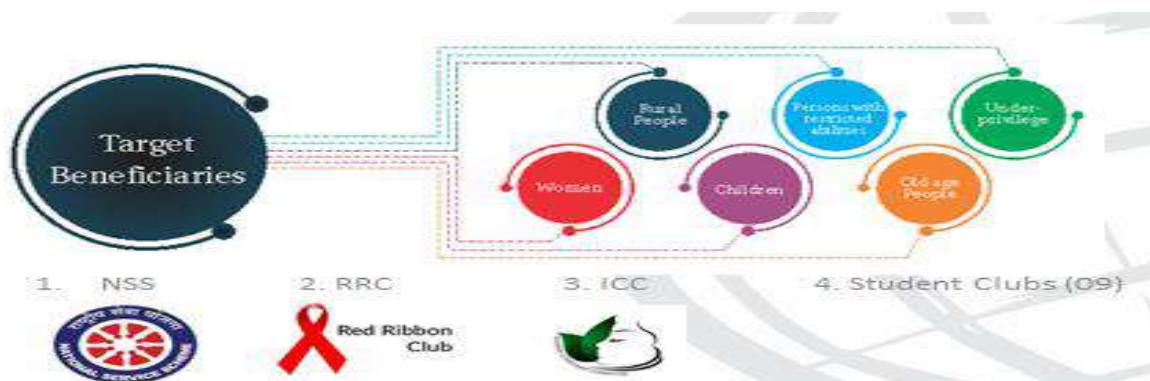


vi) CENTRAL FOR SOCIAL EMPOWERMENT CELL (CSE):

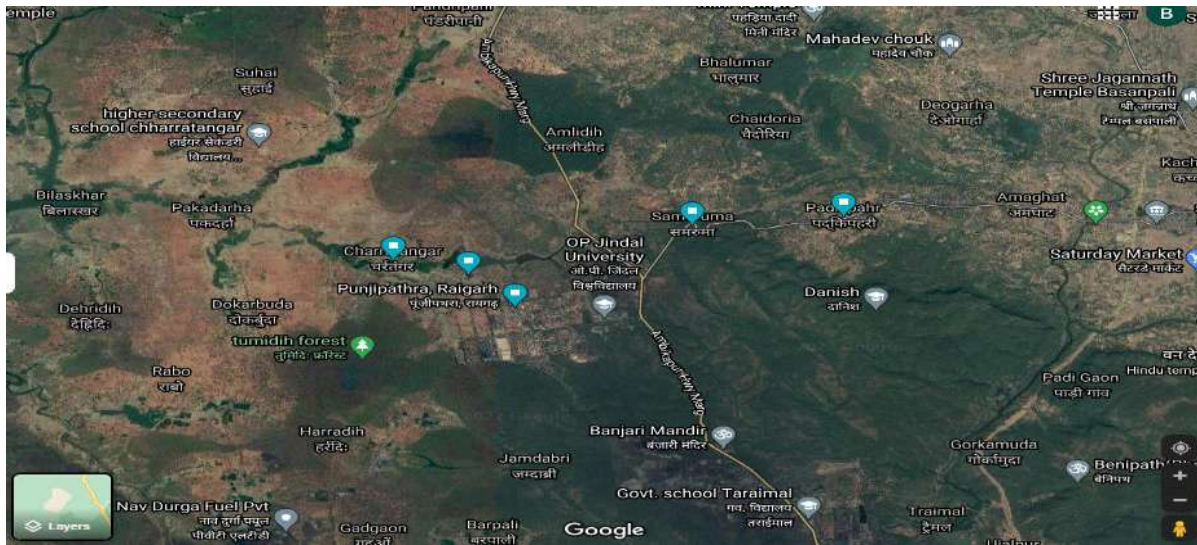
The Centre for Social Empowerment works towards socio-economic empowerment, ensuring better quality of life and Equality amongst various sections of society, and livelihood enhancement of the people residing in the target community. CSE Concentrates on the empowerment of the weaker section of society and women of rural areas; the Centre includes the participation of all stakeholders: students, faculty, NSS, NGO and the local community. CSE at the University encourages faculty and students to imbibe the qualities of enlightened leadership and thereby instil in them a level of trust and confidence.

Objectives:

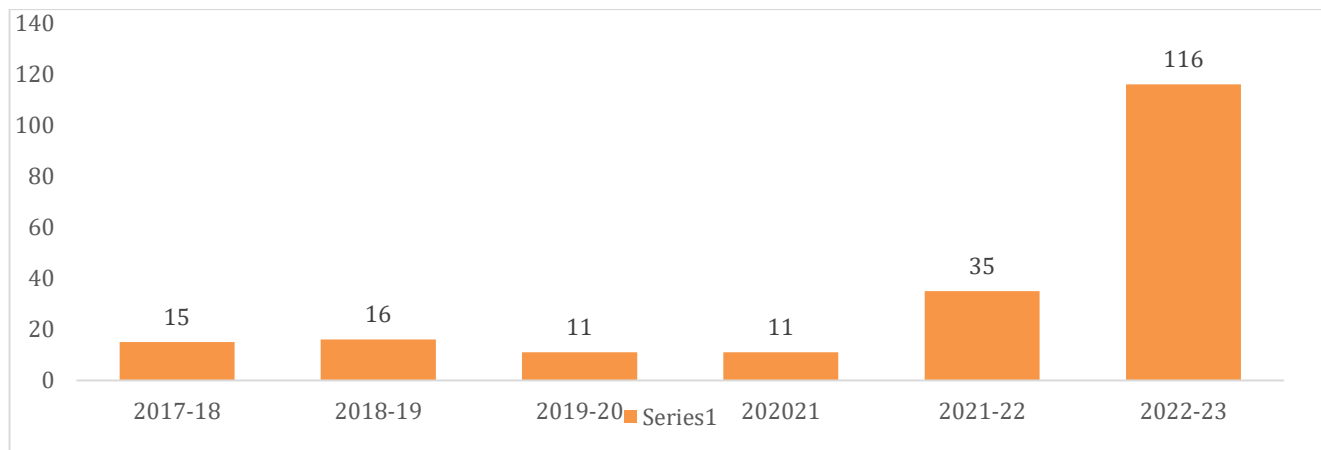
- Promote literacy, cultural and social activities through Awareness programs, education classes, lectures, competitions, exhibitions, symposiums, seminars, workshops, and cultural programmes.
- Social activities and training for girls, women, students, poor people and senior citizens.
- Extend help/support students from marginalized sections to overcome problems and barriers emanating from discrimination at any level.
- Create awareness in the community members as an integral part of governance.
- Act as a resource base where personal and social development and empowerment techniques can be facilitated.



Village adopted by the University



Activities conducted in the last five years:



List of activities conducted in the year 2022-23:

| S. No. | Name of the Activity | Village/Place | No. of Activities | Total |
|--------|--|-------------------|-------------------|-------|
| 1 | Workshop on Health & Hygiene of Women | Chharratangar | 13 | 37 |
| | | Tumidih | 15 | |
| | | Samaruma | 6 | |
| | | Punjipathra | 3 | |
| 2 | Plantation Drive (Total 600 sampling planted in the villages) | Chharratangar | 4 | 10 |
| | | Tumidih | 3 | |
| | | Samaruma | 2 | |
| | | Punjipathra | 1 | |
| 3 | Clean Campus & Village Drive | Tumidih+ Amalidih | 02+01 | 9 |
| | | Samaruma | 3 | |
| | | OPJU | 3 | |
| 4 | Digital Skills Development Training Programme | Chharratangar | 1 | 8 |
| | | Tumidih | 5 | |

| | | | | |
|----|---|---|-------|----|
| | | Samaruma | 2 | |
| 5 | Teaching Sessions | Tumidih | 4 | 4 |
| 6 | Career Counselling Session | Chharratangar | 1 | 1 |
| 7 | Blood Donation Drive | OPJU Campus | 1 | 1 |
| 8 | International Yoga Day | OPJU Campus | 1 | 1 |
| 9 | SAVE SOIL CAMPAIGN | OPJU , Tumidih, Samaruma | 3 | 3 |
| 10 | Study Skills Development Programme | Tumidih | 2 | 2 |
| 11 | Har Ghar Tiranga Abhiyan | Chharratangar, Tumidih, Samaruma, Punjipathra | 04 | 4 |
| 12 | QUIZ on the Indian Constitution | OPJU | 2 | 2 |
| 13 | Speech Competition | Chharratangar and OPJU | 01+02 | 3 |
| 14 | Bio-Waste Management Awareness Prog. | Samaruma | 1 | 1 |
| 15 | Human Rights Day Celebration | Tumidih & Samaruma | 2 | 1 |
| 16 | National Technology Day Celebration | OPJU | 1 | 1 |
| 17 | Workshop on Health & Hygiene of Women | Chharratangar | 13 | 37 |
| | | Tumidih | 15 | |
| | | Samaruma | 6 | |
| | | Punjipathra | 3 | |
| 18 | Plantation Drive | Chharratangar | 4 | 10 |
| | | Tumidih | 3 | |
| | | Samaruma | 2 | |
| | | Punjipathra | 1 | |
| 19 | Clean Campus & Village | Tumidih+ Amalidih | 02+01 | 9 |
| | | Samaruma | 3 | |
| | | OPJU | 3 | |
| 20 | Digital Skills Development Training Programme | Chharratangar | 1 | 8 |
| | | Tumidih | 5 | |
| | | Samaruma | 2 | |
| 21 | Teaching Sessions | Tumidih | 4 | 4 |
| 22 | Career Counselling Session | Chharratangar | 1 | 1 |
| 23 | Blood Donation Drive | OPJU Campus | 1 | 1 |
| 24 | International Yoga Day | OPJU Campus | 1 | 1 |
| 25 | Save Soil Campaign | OPJU , Tumidih, Samaruma | 3 | 3 |
| 26 | Study Skills Development Programme | Tumidih | 2 | 2 |
| 27 | Har Ghar Tiranga Abhiyan | Chharratangar, Tumidih, Samaruma, Punjipathra | 04 | 4 |
| 28 | QUIZ on the Indian Constitution | OPJU | 2 | 2 |
| 29 | Speech Competition | Chharratangar and OPJU | 01+02 | 3 |
| 30 | Bio-Waste Management Awareness Prog. | Samaruma | 1 | 1 |
| 31 | Human Rights Day Celebration | Tumidih & Samaruma | 2 | 1 |
| 32 | National Technology Day Celebration | OPJU | 1 | 1 |

Best Practices Adopted by Social Empowerment Cell

Workshop on Women's Health and Hygiene for the women of all adopted villages

- No. of Workshops organized: 33
- Venue: Schools, University, Colony and Panchayat Bhawan of villages
- No. of beneficiaries-550
- Sanitary Pads and sweets distribution to all the participants.



Digital Skill Development Training Programme in the schools of adopted villages

- No. of Training Programmes organized: 6
- Venue: 1. Govt. Pre-Middle School, Tumidih
2. Govt. High School, Samaruma
3. Govt. Higher Secondary School, Chharatangar
- No. of beneficiaries- 300
- Basics of Computer Skills taught by the volunteers and hands on training provided to the participants.



villages

- No. of Water Coolers: 12
- Venue: Schools and Panchayat Office of Adopted Villages and Innovation Centre.
- No. of beneficiaries-2000



Workshop on SAVE SOIL FOR BETTER FUTURE at adopted Village and OPJU, Raigarh



vii) OPJU INNOVATION CENTRE:

OPJU Innovation Centre was established to create an innovative ecosystem and infrastructure for innovators and entrepreneurs to ideate, prototype, train and start-up activities under section-8 company in the year 2020.

Objectives:

- To build and enhance the capacity of innovators/start-ups in evolving technologies and designing their innovations from ideation to an impactful business.
- To enable the innovator community with access to best-in-class infrastructure, mentorship, and funding.
- To drive economic growth and competitiveness at national and international levels.

Activities conducted at OPJU Innovation Centre: -

- Conducted National Innovation Fest (NIF) 2.0 in association with State Skill Development Authority, C.G.
- Product Launch of the Start-Ups. - Smart Vision Stick and Reusable Sanitary Pad.
- Standard Pitch Deck Preparation for Innovators' Presentations at fundraising events.
- Conducted 2 days Workshop on Advanced Prototyping on the occasion of World Entrepreneurs Day.
- Obtained ARAI approval for Erkey Motors Pvt. Ltd for their EV Vehicle launch.
- Applied for Erkey Motors designed patent through OPJU Innovation Center.
- Conducted a Workshop on Entrepreneurship and Innovation as a career opportunity.

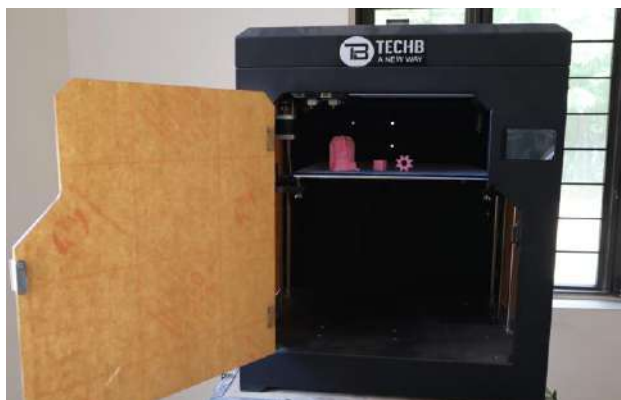
- Submitted Proposal to secure NIDHI iTBI accreditation for 5 Cr funding.
- Nominated 4 start-ups for angel investment by Mr. Anuj Batra (Founder: Andromeida).
- Organized more than 75 events on capacity building of innovators in collaboration with IIC OPJU.

List of Incubated Start-ups:

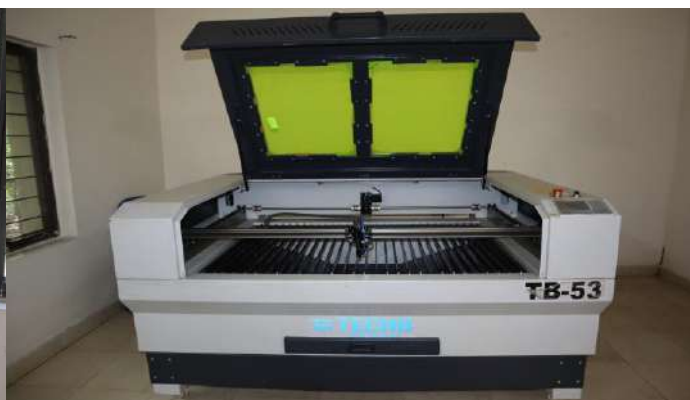
| S. No. | Name of Start up | Theme | From | To |
|--------|--|----------------------------------|------------|------------|
| 1 | Alien Innovation Pvt Ltd | Robotics/Social Entrepreneurship | 04.12.2022 | 04.12.2024 |
| 2 | Arthashastra Intelligence Database Pvt Ltd | Finance sector | 20.04.2023 | 20.04.2025 |
| 3 | Erkey Motors Pvt Ltd | Electric Vehicle | 31.03.2023 | 31.03.2025 |
| 4 | AARUG (Shanti Anand Enterprises) | Women Hygiene | 28.03.2023 | 28.03.2025 |
| 5 | Explorica Pvt Ltd | Electric Vehicle Edutech | 16.05.2023 | 16.03.2025 |
| 6 | Social Seller Technology Pvt. Ltd. | YouTube Influencer | 21.03.2023 | 21.03.2025 |
| 7 | Chalbo India Pvt Ltd | Travel/Tourism | 13.03.2023 | 13.03.2025 |
| 8 | Unique Pvt Ltd | Food Chain Solution | 15.03.2023 | 15.03.2025 |
| 9 | GWS Defence Pvt Ltd | Rare Earth Material | 17.12.2022 | 17.12.2024 |
| 10 | MITTI Agrotech Organics Pvt Ltd | Agrotech | 02.09.2022 | 02.09.2024 |

Equipment available in OPJU Innovation Centre:

3D Printer



Laser Cutting Machine



CNC Router



PCB Marking and Engraving Machine



Achievements:

- Start-Up AARUG (Shanti Anand Enterprises) secured 1st Prize at the Bison Cage competition by the State Government of Chhattisgarh.
- Start-Up AARUG (Shanti Anand Enterprises) got selected in the list of top 55 start-ups for the NEP-2020 exhibition held on 29th & 30th July 2023 (By AICTE).
- Secured 1st prize by our incubated innovator Mr. Ayush Joshi and Team in AICTE MoE's Boot-camp 2023 at IIT Guwahati/IISER Bhopal (MP).
- Secured second runner-up prize at LVPEI Innovation Challenge 2023 (Incubated Start-Up: Alien Innovations Pvt. Ltd.)
- Secured 1st Prize at INDIAPRENEUR 12.0 competition held at Indira School of Business and Students PGDM Pune
- Team INNOVATORS with Leader Mr Ayush Joshi secured 51th rank among 1200+ teams that participated in ATL Marathon 2023 by NITI Ayog under Atal Innovation Mission.
- Secured an Infra facility worth 7 Lakhs at RIPA center Raipur for start-up AARUG.

11. FDP/CONFERENCES/SEMINARS/WORKSHOPS/STTP ATTENDED/CONDUCTED:

| S. No. | Name of Faculty | Department | Conference / Seminar/ Workshop/ STTP/ FDP/ Symposium/ Others | Duration | Details of the Programme | Organized by |
|--------|---|------------|--|------------------|--|--|
| 1 | Dr. Vikash Kumar | SoM | Conference | 16-17 Sept. 2022 | International Conference on Transdisciplinary research issues and challenges | DAVV Indore |
| 2 | Prof. Ram Narayan Shukla & Dr. Saroj Pandey | CSE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 3 | Prof. Pushpanjali Shadangi | EE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 4 | Dr. Sushree Deeptimayee Swain | EE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 5 | Prof. Princy Diwan | CSE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 6 | Prof. Pradeep Kumar Shriwas | EE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 7 | Dr. G M Rao | EE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 8 | Prof. Shrikant Kaushley | EE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 9 | Prof. Umashankar Pandey | CSE | Conference | 08-10 Feb 2023 | OTCON 2.0 | OPJU |
| 10 | Dr. Taniya Rathore | SoS | Conference | 28-29 March 2023 | Innovation in Biotechnology Research for Sustainable Development: Challenges and Practices | Sanjivani Arts, Commerce & Science College, Kopargaon (M.S.) |

12. Major activities conducted by the University:

- i) OP Jindal University conducted its 2nd Convocation on 10 October 2022. Hon'ble Governor of Chhattisgarh State Smt. Anusuiya Uikey was present as the Chief Guest of the Convocation Programme. In the 2nd Convocation total of 738 degrees were distributed to the pass-out students for the year 2021-22.



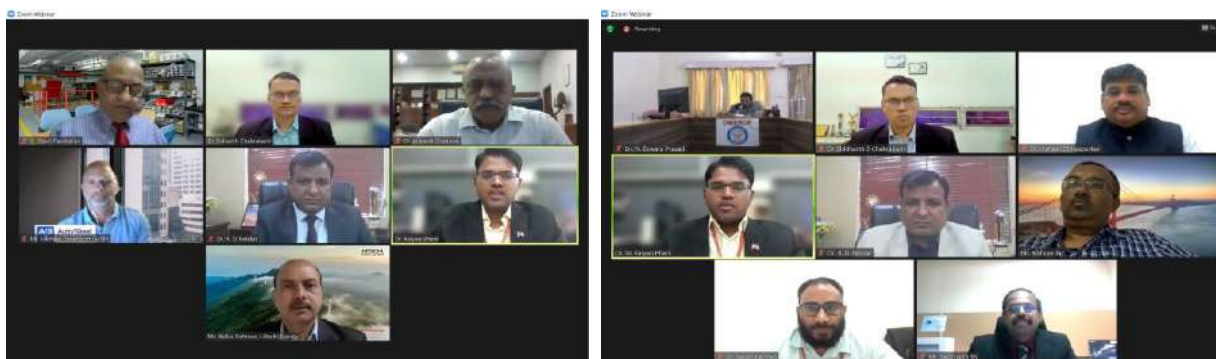
- ii) 3rd flagship International Conference by the School of Management on the title "The Role of Innovation, Entrepreneurship & Management for Sustainable Development" (ICRIEMSD) in association with ICRC-AIMA & Jose Maria College, Philippines was conducted during 25th to 26th November-2022 through Virtual mode.
- iii) OP Jindal University organized the National Innovation Fest (NIF 2.0) during 28-29 November 2022. In this event more than 160 students have participated from different Institutions of India. The students have presented their Ideas, Start-up pitch and Prototype demo. Prof. (Dr) Colonel Umesh Kumar Mishra, Chairman-CGPURC was the chief guest of the program.
- iv) OP Jindal University conducted its 5th alumni meet in November 2022 at Raigarh which served as a valuable platform for format students to reconnect, share experiences and contribute to the growth and success of their alma meter. In this alumni meet more than 100 former students have participated to foster a sense of community and provide the opportunity for personal and professional development and strengthen the University's ties with its alumni.



- v) OP Jindal University has organized an East Zone Badminton Championship (Women) -2022-23 between 27th to 30th December 2022. In this tournament around 400 students participated from 41 different Universities and Admas University, West Bengal was awarded as the winner of the tournament.



- vi) OP Jindal University, Raigarh has organized its 5th International Conference on Advances in Steel, Power and Construction Technology (ICASPCT 2022), and the 5th Industry-Academia Conclave in a virtual mode. It witnessed huge knowledge and seamless learnings along with understanding the issues and developments in the steel, power and construction sectors. The event was organized by OPJU in association with Jindal Steel and Power (JSP), Raigarh, ASM International, USA, Association for Iron and Steel Technology (AIST), USA, and Association of Welding Product Manufacturers (AWPM). The presence of dignitaries constituted scholars from across the globe, sponsors and partners. An array of carefully selected, research papers were selected for presentation on various themes. All collaborators came forward the ICASPCT with admired level of endeavours. The event hosted 5 plenary sessions by 28 eminent speakers from industry and academia from different parts of the globe. The conference received more than 275 abstracts and more than 175 quality research papers. Selected papers were published in AIP proceedings and Materials Today: Proceedings, which are of international repute and SCOPUS Indexed.



- vii) OPJU International Technology Conference on Emerging Technologies for Sustainable Development was conducted during 8-10 February 2023, which was sponsored by IEEE MP Section and CG Cost Govt. of Chhattisgarh. In this conference total of above 600 technical papers were received from more than 20 countries, out of which 150 selected technical papers were presented through Hybrid mode. The inaugural ceremony was executed on 8 February 2023 in the auditorium of OP Jindal School, Raigarh, where dignitaries from IITs/IIITs/NITs/ IEEE MP Section including Chairman Hon'ble Mr. Naveen Jindal, Chancellor, Hon'ble Ms. Shallu Jindal, MD and ED JSP were present.

- viii) OPJU Parents Summit was organized on 27 and 28 April 2023 to foster a positive relationship between parents and the university. The purpose of the summit was to provide a platform for communication, information sharing and engagement, ultimately contributing to the success and well-being of the students.



- ix) OP Jindal University organized its annual event Technorollix-2023 between 1st to 4th March-2023. In this annual event, various programmes like Talent Hunt, Start-up business plans, Battle of Bands, Techlab, Yuva Sadan, Food Fiesta, Brainy Escape, Codigo, Ideathon Aero Drone, Aagaz etc. were organized, in which all the students and staff members actively participated.



13. Other Developments in the year 2022-23:

i) MoU Signed

- Sohar University, Sultanate of Oman
- Bosch Rexroth India Private Limited, Ahmedabad, Gujrat
- Slurry Transportation Lab, NIT Jamshedpur, Jharkhand
- FPT University, Hanoi, Vietnam
- MSP Steel and Power Limited, Jamgaon, Raigarh, Chhattisgarh

ii) New Program & Collaborations in the year 2022-23:

- Started B.Sc. (Hons.) Data Science and Analytics
- Launch an Executive MBA program for working professionals.
- New Initiative taken to implement the New Education Policy at OPJU.

iii) Key Infrastructure improvements in the year 2022-23:

- Media Centre
- 75 KW Rooftop Solar Power Plant
- Strengthening OPJU Innovation Centre
- Strengthening CSTPD with Equipment Worth Rs. 3.5 Cr
- New Computing Facilities (I7 Machines - 200 Nos.)
- Enhanced IT Facilities (Bandwidth: 1 GBPS)
- ISSN for OPJU Business Journal
- 20 Modernized Digital Classrooms
- Improved GYM facilities by creating open air and separate GYM in the boys' hostel

iv) Emphasis on achievements in research and innovation

- Significant improvement in innovation ranking
- OPJU International Technology Conference (OTCON) on IEEE Xplore
- First 3 PhD awarded (01 from School of Engg. & 02 from School of Science)
- Improved research, project, consultancy & corporate training.

v) Quality Enhancement Efforts:

- 15 MW old Turbine Generator set up as a model



- Implementation of "The One Thing" Concept - Achieving nearly 2000 student strength

14. Sports & other activities conducted in the year 2022-23:

OPJU organized **5 Kilometre Run on the occasion of Youth Day** under the banner of FIT INDIA MOVEMENT (HUM FIT TO, INDIA FIT) for all the students, faculty and staff on 12 January, 2023. The Run was organized inside the OPJU campus. The Fit India Movement is a nationwide movement that encourages people to remain healthy and fit by including physical activities and sports in their daily lives. The first ten finalists were awarded the Medal for their best performances.



▪ Patriotic Run on the occasion of “Republic Day 26th January, 2023”

The University organized a Patriotic run for faculty, staff and students on the occasion of Republic Day 26th January, 2023. The purpose of the run is to pay tribute to Veterans of India who spent their life in protecting the nation along with martyrs who sacrificed their lives for Indian soil. On this day around 80 Students & 20 Faculties participated in the event and made the event a grand success.





■ Open Badminton Championship for faculty and staff 2023

An open Badminton Championship was organized by OPJU for faculty and staff members on 31 January, 2023. The Championship was played in knock-out-cum-league format.



■ One-Day fitness Programme (Aerobic) for Female Faculty & Staff Members

The fitness and health of the faculty and staff of any organization are important, and a healthy body and mind are necessary for an individual to perform better. A one-day fitness aerobic program was organized for the female faculty and staff of OP Jindal University on 10th February, 2023. The Fitness program aimed to provide an opportunity for the female faculty and staff to exercise, have fun and help them understand the importance of physical fitness. The program was held in the university's gymnasium and was conducted by a certified Aerobic Fitness trainer. The program was designed to be suitable for all fitness levels and consisted of a warm-up session, cardio, strength training, and cool-down and stretching.



▪ **One-Day Workshop on Promoting Good Health & Hygiene practice in everyday life:**

This was organized by OPJU for the students on 27 March 2023. The resource person of the workshop was Dr. Kali Muthu (Factory Medical Officer, Jindal Steel Power). The Workshop aimed to sensitise the staff members on maintaining good health & hygiene practices. The workshop also aimed at understanding the importance of comprehensive cleaning to maintain a good health and a better personality in the society. Personal hygiene is important for many reasons, for instance, to have a better personality, good health, for social reasons and psychological issues. Proper hygiene creates a nice and professional image of an individual in a society at workplace.

15.Awards & Recognitions:



FINANCIAL REPORT

FOR THE

YEAR 2022-23

O.P. JINDAL UNIVERSITY

AT. P.O.- RAIGARH, DISTT.- RAIGARH.

AUDIT REPORT

FOR THE YEAR ENDED ON 31ST MARCH 2023

Auditors:

**M/s Agrawal Dinesh & Co.
Chartered Accountants**

30-31, 1st Floor

**Krishna Crown, Chaitanya Nagar,
Dhimrapur Road, Raigarh (C.G.)**

Mob. 98261-79425

O.P JINDAL UNIVERSITY
BALANCE SHEET
AS ON 31ST MARCH 2023

| LIABILITIES | As at 31.03.2023 | As at 31.03.2022 | ASSETS | As at 31.03.2023 | As at 31.03.2022 |
|---|---------------------|---------------------|---|---------------------|---------------------|
| CAPITAL FUND | | | FIXED ASSETS (Annexure 'A') | 11,06,75,431 | 5,64,23,803 |
| Opening Balance | 6,64,88,881 | (78,68,532) | | | |
| <u>Add:</u> Corpus Donation received during the Financial Year | 7,41,17,000 | 4,38,98,477.00 | NON-CURRENT ASSETS | 99,990 | 99,990 |
| <u>Add:</u> Excess of Income Over Expenses transferred from Income & Expenditure A/c. | 18,43,658 | 3,04,58,937 | CURRENT ASSETS (Annexure 'B') | 18,78,48,752 | 15,51,34,039 |
| | 14,24,49,539 | 6,64,88,881 | Accounting Policies & Notes to the Accounts (Annexure 'D') | | |
| CURRENT LIABILITIES & PROVISIONS | | | | | |
| Current Liabilities (Annexure 'C') | 12,88,18,191 | 12,20,35,449 | | | |
| Provisions (Annexure 'E') | 2,73,56,443 | 2,31,33,500 | | | |
| Total | 29,86,24,173 | 21,16,57,831 | Total | 29,86,24,173 | 21,16,57,831 |

In terms of our annexed report of even date.

For Agrawal Dinesh & Co.
Chartered Accountants



D.K. Agrawal
Partner

Place: Raigarh
Date: 23/09/2023
UDIN:23076969BGWNQ17257

For O.P Jindal University, Raigarh

Anurag Vijaywargiya
Registrar

Dr R D Patidar
Vice Chancellor

Siddhant Chaturvedi
Dy-CAO

O.P JINDAL UNIVERSITY

INCOME & EXPENDITURE ACCOUNT FOR THE YEAR ENDING ON 31.03.2023

| | EXPENDITURE | AMOUNT | AMOUNT | | INCOME | AMOUNT | AMOUNT |
|----|-----------------------------------|---------------------|---------------------|----|------------------------------------|---------------------|---------------------|
| | | 2022-23 | 2021-22 | | | 2022-23 | 2021-22 |
| To | General Running & Maintenance | 2,36,12,246 | 2,31,63,443 | By | College Fees | 21,16,20,685 | 18,27,76,873 |
| To | Advertisement & Recruitment Exp. | 16,35,878 | 13,32,292 | By | Fine | 17,36,551 | 5,44,359 |
| To | Personnel Expenses | 14,54,72,132 | 11,07,64,801 | By | Mess Charges | 2,66,23,192 | 1,45,57,457 |
| To | Professional & Consultancy Fees | 10,90,916 | 3,12,150 | By | Bus Charges | 1,08,74,950 | 50,50,000 |
| To | Retainership Charges | 35,36,448 | 24,30,168 | By | Miscellaneous Income / Written Off | 60,20,701 | 3,62,82,778 |
| To | Travelling & Conveyance | 9,73,370 | 5,56,147 | By | Donations | 3,06,19,743 | - |
| To | Audit Fees | 25,000 | 53,100 | By | Excess of Expenditure over Income | - | - |
| To | GST Audit Fees | 12,000 | - | | | | |
| To | Depreciation | 2,17,77,112 | 96,13,985 | | | | |
| To | Scholarships | 1,16,78,000 | 1,34,89,550 | | | | |
| To | Fees Concession | 1,12,09,107 | 81,19,337 | | | | |
| To | Staff Welfare | 28,70,146 | 19,76,521 | | | | |
| To | Mess Expenses | 1,86,35,066 | 87,02,972 | | | | |
| To | Hire Charges | 91,21,915 | 34,62,720 | | | | |
| To | Printing & Stationary | 10,56,747 | 11,26,018 | | | | |
| To | Processing Fees | 21,48,514 | 16,75,351 | | | | |
| To | Admission Expenses | 46,03,994 | 33,22,598 | | | | |
| To | Bank Charges | 81,660 | 1,57,631 | | | | |
| To | Administration Charges on PF | 2,70,735 | 2,13,628 | | | | |
| To | Office Expenses | 2,70,977 | 6,41,943 | | | | |
| To | Miscellaneous Expenses | 11,95,902 | 8,38,177 | | | | |
| To | Intel Training Program | 20,35,700 | 21,61,000 | | | | |
| To | Training & Placement Expenses | 7,94,307 | 1,95,937 | | | | |
| To | Telephone Charges | 27,64,240 | 20,78,967 | | | | |
| To | Workshop & Cultural Activities | 27,08,091 | 15,18,630 | | | | |
| To | Insurance Expenses | 73,705 | 30,714 | | | | |
| To | Interest | 8,980 | 8,551 | | | | |
| To | Postage & Courier | 18,038 | 25,362 | | | | |
| To | Lab Consumables | 10,11,530 | 2,45,629 | | | | |
| To | Books & Periodicals | 15,63,165 | 1,13,009 | | | | |
| To | Security Expenses | 55,87,743 | 53,37,792 | | | | |
| To | Power & Electricity | 71,34,167 | 50,84,406 | | | | |
| To | House Rent | 6,49,634 | - | | | | |
| To | Legal Fees | 25,000 | - | | | | |
| To | Excess of Income over Expenditure | 18,43,658 | 3,04,58,937 | | | | |
| | Transferred to Balance Sheet | | | | | | |
| | Total | 28,74,95,822 | 23,92,11,467 | | Total | 28,74,95,822 | 23,92,11,467 |

In terms of our annexed report of even date.

For Agrawal Dinesh & Co.
Chartered Accountants

D.K. Agrawal
Partner



Place: Raigarh
Date: 23/09/2023

For O.P Jindal University, Raigarh

Dr R D Patidar
Vice Chancellor

Anurag Vijaykargiya
Registrar

Siddhant Chaturvedi
Dy CFAO

O.P JINDAL UNIVERSITY

SCHEDULE FORMING PART OF BALANCE SHEET

AS ON 31.03.2023

Calculation of depreciation as per Income Tax Act for the year 2022-23 (Annexure - A)

| Fixed Assets | Rate | Opening | | Additions | | Deletions | | Depreciation | | Closing |
|-----------------------------|------|----------------------|---------------------------|-----------------------------|----------------------------------|------------------------|---------------------------|-----------------------------|-------------------------------|----------------------|
| | | WDV as on 01.04.2022 | Used for 180 days or more | Used for less than 180 days | Sale/Transfer/Return made During | Total as on 31.03.2023 | Used for 180 days or more | Used for less than 180 days | Total Depreciation for Twelve | WDV as on 31.03.2023 |
| Building | 10% | 83,15,872.26 | 24,68,104.58 | 11,50,210.00 | - | 1,19,34,186.84 | 10,78,397.68 | 57,510.50 | 11,35,908.18 | 1,07,98,278.65 |
| Air Conditioner | 10% | 38,98,774 | - | 17,52,006 | - | 56,50,780 | 3,89,877 | 87,600 | 4,77,478 | 51,73,302 |
| Library Books & Periodicals | 60% | 10,56,343 | - | 11,27,328 | - | 21,83,671 | 4,22,537 | 2,25,466 | 6,48,003 | 15,35,668 |
| Furniture & Fittings | 10% | 1,50,96,760 | 6,17,483 | 53,01,437 | 10,349 | 2,10,05,331 | 15,70,389 | 2,65,072 | 18,35,461 | 1,91,69,870 |
| Computers | 60% | 1,12,08,142 | 19,85,940 | 2,94,64,369 | - | 4,26,58,451 | 52,77,633 | 58,92,874 | 1,11,70,507 | 3,14,87,945 |
| Equipments | 15% | 1,64,22,114 | 2,09,13,361 | 79,14,661 | - | 4,52,50,136 | 56,00,321 | 5,93,600 | 61,93,921 | 3,90,56,215 |
| Motor Vehicles | 15% | 4,25,797 | - | - | - | 4,25,797 | 63,870 | - | 63,870 | 3,61,927 |
| Gym Equipments | 15% | - | 15,340 | 33,28,851 | - | 33,44,191 | 2,301 | 2,49,664 | 2,51,965 | 30,92,226 |
| | | 5,64,23,803 | 2,60,00,229 | 5,00,38,861 | 10,349 | 13,24,52,544 | 1,44,05,326 | 73,71,785 | 2,17,77,112 | 11,06,75,431 |

For Agrawal Dinesh & Co.
Chartered Accountants

D.K. Agrawal
Partner



For O.P Jindal University, Raigarh

Dr R D Patidar
Vice Chancellor

Anurag Vijaywargiya
Registrar

Siddhant Chaturvedi
Dy-CEAO

Place: Raigarh
Date: 23/09/2023

O.P JINDAL UNIVERSITY

Details of Assets :

| Fixed Assets | Rate | Opening WDV as on 01.04.2022 | Additions | | Deletions Sale/ Transfer/Return | Total as on 31.03.2023 | Depreciation on Assets | | Closing WDV as on 31.03.2023 |
|--|------|------------------------------------|------------------------------|--------------------------------|---------------------------------------|---------------------------|------------------------------|--------------------------------|------------------------------------|
| | | | Used for 180 days or more | Used for less than 180 days | | | Used for 180 days or more | Used for less than 180 days | |
| Building | | 83,15,872 | 24,68,105 | 11,50,210 | - | 1,19,34,187 | 10,78,398 | 57,511 | 1,13,59,088 |
| Boys Hostel | 10% | 55,88,095 | - | - | - | 55,88,095 | 5,58,809 | - | 50,29,285 |
| Borewell | 10% | 92,250 | - | - | - | 92,250 | 9,225 | - | 83,025 |
| Canteen Building | 10% | 9,32,638 | - | - | - | 9,32,638 | 93,264 | - | 8,39,374 |
| Elevator | 10% | 17,02,889 | - | - | - | 17,02,889 | 1,70,289 | - | 15,32,600 |
| Media Room | 10% | - | 8,72,172 | 4,19,201 | - | 12,91,373 | 87,217 | 20,960 | 11,83,195 |
| Washrooms | 10% | - | 1,82,365 | - | - | 1,82,365 | 18,237 | - | 1,64,129 |
| XRD & SEM Machine Room | 10% | - | 14,13,568 | - | - | 14,13,568 | 1,41,357 | - | 12,72,211 |
| Air Conditioner | 10% | 38,98,774 | - | - | - | 38,98,774 | 3,89,877 | - | 35,08,897 |
| Library Books & Periodicals | 40% | 10,56,343 | - | - | - | 10,56,343 | 4,22,537 | - | 6,33,806 |
| Furniture & Fittings | | 1,50,96,760 | 6,17,483 | 11,27,328 | 10,349 | 2,10,05,331 | 15,70,389 | 2,65,072 | 1,94,34,941 |
| Furniture | 10% | 58,26,996 | 1,22,000 | 11,62,995 | - | 60,11,991 | 9,94,900 | 58,150 | 59,53,841 |
| Electrical Item & Fittings | 10% | 30,97,539 | 1,00,300 | 36,88,323 | - | 62,76,162 | 3,19,784 | 1,84,416 | 60,86,378 |
| Geyser | 10% | 72,303 | - | - | - | 72,303 | 7,230 | - | 65,073 |
| Grinding Machine | 10% | 12,915 | - | - | - | 12,915 | 1,292 | - | 11,623 |
| Induction Heater | 10% | 2,822 | - | - | - | 2,822 | 282 | - | 2,540 |
| Kitchen Utensils | 10% | 7,66,064 | - | - | - | 7,66,064 | 76,606 | - | 7,89,670 |
| LCD TV | 10% | 60,194 | 62,600 | - | 10,349 | 1,22,794 | 12,279 | - | 1,10,514 |
| Microwave | 10% | 18,625 | - | 2,48,339 | - | 2,66,964 | 26,696 | - | 2,40,268 |
| Projector | 10% | 2,50,545 | 3,32,583 | - | - | 5,83,128 | 58,313 | - | 5,24,815 |
| Refrigerator | 10% | 56,749 | - | - | - | 56,749 | 5,675 | - | 51,074 |
| Submersible Pump | 10% | 14,996 | - | - | - | 14,996 | 1,500 | - | 13,496 |
| Videocam Sea Top Box | 10% | 6,554 | - | - | - | 6,554 | 655 | - | 5,899 |
| Washing Machine | 10% | 15,246 | - | - | - | 15,246 | 1,525 | - | 13,721 |
| Fire Fighting Equipments | 10% | 6,96,617 | - | - | - | 6,96,617 | 69,662 | - | 6,26,955 |
| Water Filter & Cooler | 10% | 1,98,596 | - | 2,01,780 | - | 3,00,376 | 30,038 | - | 2,70,338 |
| Equipments | | 1,64,22,114 | 2,09,13,361 | 79,14,661 | - | 4,52,50,136 | 56,00,321 | 5,93,600 | 3,96,50,215 |
| Lab Equipment | 15% | 1,48,65,366 | 2,09,13,361 | 79,14,661 | - | 4,36,93,388 | 53,66,809 | 5,93,600 | 3,83,32,579 |
| Camera | 15% | 12,79,053 | - | - | - | 12,79,053 | 1,279,053 | - | 11,51,140 |
| Sanitary Napkin Vending Machine | 15% | 85,702 | - | - | - | 85,702 | 8,570 | - | 77,132 |
| Biometric Machine | 15% | 1,82,218 | - | - | - | 1,82,218 | 18,222 | - | 1,63,996 |
| Mobile | 15% | 9,775 | - | - | - | 9,775 | 977 | - | 8,798 |
| Computers | 40% | 1,12,08,142 | 19,85,940 | 2,94,64,369 | - | 4,26,58,451 | 52,77,633 | 58,92,874 | 3,67,60,577 |
| Computer Software | 40% | 52,70,243 | 15,70,285 | 2,11,19,306 | - | 2,79,59,834 | 27,36,211 | 42,23,861 | 2,52,23,623 |
| Computer Networking & Wifi | 40% | 25,95,884 | 4,15,655 | 16,45,531 | - | 46,57,070 | 12,04,616 | 3,29,106 | 43,27,954 |
| Motor Vehicles | | 33,42,015 | - | 66,99,532 | - | 1,00,41,547 | 13,36,806 | 13,39,906 | 87,04,641 |
| Cycle | 15% | 4,25,797 | - | - | - | 4,25,797 | 63,870 | - | 3,61,927 |
| Scorpio | 15% | 2,412 | - | - | - | 2,412 | 362 | - | 2,050 |
| Gym Equipments | 15% | 4,23,385 | 15,340 | 33,28,851 | - | 4,67,576 | 63,508 | - | 4,04,068 |
| | | 5,64,23,803 | 2,60,00,229 | 5,00,38,861 | 10,349 | 13,24,52,844 | 1,44,05,326 | 73,71,785 | 11,80,77,019 |

For Agrawal Dinesh & Co.
Chartered Accountants



D.K. Agrawal
Partner

For O.P. Jindal University, Raigarh

Dr. R.D. Patidar
Vice Chancellor

Amang Mayawaryya
Registrar

Siddhant Chaturvedi
Dy. C.F.A.O.

Place: Raigarh
Date: 23/09/2023

O.P JINDAL UNIVERSITY

CURRENT ASSETS ANNEXURE - B

| PARTICULARS | 2022-23 | 2021-22 |
|------------------------------------|---------------------|---------------------|
| (A) Loan & Advances | | |
| Security Deposit (AICTE) | 1,45,000 | 8,00,000 |
| Security Deposit (IEEE) | | |
| Security Deposit Others | 8,00,000 | 9,000 |
| Security Deposits (Telephone) | 4,000 | 4,000 |
| Loans & Advances | 10,95,570 | 7,12,369 |
| Accrued Interest | 3,17,305 | 2,12,199 |
| Others | | |
| Prepaid Expenses | 38,50,010 | 11,68,280 |
| TDS Receivable | 6,53,757 | 2,79,718 |
| TCS Receivable | 21,775 | 1,339 |
| Advance Tax Paid | 224 | 1,36,320 |
| Advance to Creditors | 75,63,920 | 9,58,369 |
| O P Jindal Institute of Technology | 1,41,62,714 | 1,37,62,714 |
| (B) Sundry Receivables | | |
| Fees Receivable | 8,92,62,353 | 7,21,35,191 |
| Other Receivable | 33,329 | 33,329 |
| Sundry Debtor | 42,92,920 | 54,58,885 |
| (D) Cash & Bank Balance | | |
| Cash in Hand | 599 | 5,610 |
| Balance With Banks | | |
| HDFC Bank | 1,56,52,712 | 4,32,66,707 |
| ICICI Bank, Gharghoda | - | - |
| Punjab National Bank | 45,05,908 | 55,16,824 |
| SBI, Gerwani | 4,54,86,656 | 1,06,73,185 |
| TOTAL | 18,78,48,752 | 15,51,34,039 |

For Agrawal Dinesh & Co.
Chartered Accountants



D.K. Agrawal
Partner


For O.P Jindal University, Raigarh



Dr R.D Patidar
Vice Chancellor



Anurag Vijaywargiya
Registrar



Siddhant Chaturvedi
Dy CFAO

Place: Raigarh
Date: 23/09/2023



O.P JINDAL UNIVERSITY

CURRENT LIABILITIES ANNEXURE - C

| PARTICULARS | 2022-23 | 2021-22 |
|----------------------------------|---------------------|---------------------|
| Advance Fees Received | 4,78,67,863 | 5,31,60,876 |
| Caution Fee | 27,61,734 | 34,38,449 |
| Hostel Caution Fee | 17,60,000 | 23,89,000 |
| Excess Fee Refundable | 81,56,290 | 67,33,242 |
| Blazer Fee Payable | 15,67,337 | 21,34,032 |
| Mediclaime Payable | 21,340 | 10,421 |
| Director of Science & Technology | 74,496 | 1,35,000 |
| Jindal Steel & Power Ltd (Group) | 3,53,54,077 | 2,28,06,256 |
| P.F. Employer Share | 5,89,931 | 4,85,037 |
| NDM New Delhi | - | 5,05,040 |
| Scholarship Payable | 1,18,13,000 | 1,33,76,500 |
| Registration Fee - 2021-22 | - | - |
| P.F. Staff Share | 6,19,644 | 4,72,730 |
| ESIC Employer Share | 10,273 | 15,181 |
| ESIC Staff Share | 2,381 | 3,518 |
| M Tech Internship | - | 2,45,000 |
| Enterprenership Club | - | - |
| Photography Club | - | - |
| Social Empowerment Club | - | - |
| Own Your Laptop Scheme | 23,04,779 | 12,57,834 |
| Gst payable | 1,92,450 | 1,58,453 |
| TDS Payble | 13,66,702 | 8,42,795 |
| | 11,44,62,297 | 10,81,69,364 |
| Sundry Creditors | 1,43,55,894 | 1,38,66,085 |
| TOTAL | 12,88,18,191 | 12,20,35,449 |

For Agrawal Dinesh & Co.
Chartered Accountants

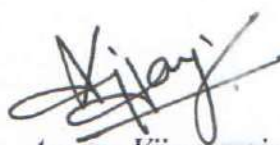


D.K. Agrawal
Partner

For O.P Jindal University, Raigarh



Dr R.D Patidar
Vice Chancellor



Anurag Vijaywargiya
Registrar



Siddhant Chaturvedi
Dy CFAO

Place: Raigarh
Date: 23/09/2023



ANNEXURE - D

- 1 *Accounts of the institute has been prepared under the historical cost and convention basis. Accrual system of accounting has been followed by the Institute during the year.*
- 2 *Fixed assets have been valued at historical cost basis.*
- 3 *Depreciation for the year has been calculated on the WDV at the rates prescribed by the Income Tax Act. 1961.*
- 4 *Sundry creditors, loan & advances are subject to the confirmation from parties.*
- 5 *Cash balance has been taken as certified and verified by the Management Committee.*
- 6 *Previous year figures have been regrouped and rearranged wherever considered necessary.*
- 7 *Donation received during the year has been booked in Corpus as per Managamenet approval for specific purpose Donation*

In terms of our annexed reoport of even date.

*For Agrawal Dinesh & Co.
Chartered Accountants*

*D.K. Agrawal
Partner*

*Place: Raigarh
Date: 23/09/2023*



O.P JINDAL UNIVERSITY

PROVISIONS ANNEXURE - E

| PARTICULARS | 2022-23 | 2021-22 |
|------------------------------|--------------------|--------------------|
| Admn. Charges on P.F payable | 23,976 | 19,697 |
| Expenses Payable | 10,48,488 | 9,49,965 |
| Gratuity Payable | 1,16,76,961 | 1,04,86,158 |
| Audit Fee Payble | 25,000 | - |
| Legal Fees Payble | 25,000 | - |
| Salary Payable | 90,19,108 | 72,02,070 |
| Welfare Scheme (HRD) | 55,25,910 | 44,75,610 |
| GST Audit Fee Payble | 12,000 | - |
| TOTAL | 2,73,56,443 | 2,31,33,500 |

For Agrawal Dinesh & Co.
Chartered Accountants

D.K. Agrawal
Partner

Dr R.D Patidar
Vice Chancellor

Anurag Vijaywargiya
Registrar

Siddhant Chaturvedi
Dy CFAO

Place: Raigarh
Date: 23/09/2023

