



OPJU



# ANNUAL REPORT 2023-24



**Annual Report 2023-24**

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# About OPJU

O. P. Jindal University (OPJU), Raigarh, established in 2014, is a multidisciplinary university dedicated to excellence in education, research, and innovation. It offers a unique blend of academic rigor and industry integration, making it a preferred destination for students seeking holistic development.

The university provides undergraduate, postgraduate, and doctoral programs across disciplines such as Engineering, Management, Science, and Humanities. Its state-of-the-art infrastructure, modern laboratories, and well-equipped libraries create a conducive environment for learning and research. The faculty comprises highly experienced academicians and industry professionals, ensuring students gain practical insights along with theoretical knowledge.

OPJU places a strong emphasis on industry collaborations, leveraging its close ties with Jindal Steel & Power and other leading organizations to provide students with hands-on training, internships, and real-world exposure. The university also organizes events, conferences, and guest lectures by industry leaders and academic experts to keep students updated with the latest trends and innovations.

The university's vibrant campus life, coupled with a focus on innovation, entrepreneurship, and community engagement, prepares students to become leaders in their chosen fields.

Accredited and recognized for its quality education, OPJU is committed to shaping future-ready professionals who are equipped to meet global challenges and contribute meaningfully to society.







Shri Naveen Jindal is a prominent Indian industrialist and politician known for his significant contributions to the steel industry and his active role in public service. Born on March 9, 1970, he is the chairman of Jindal Steel and Power (JSP), a major player in the Indian steel market. Under his leadership, the company has expanded its operations and embraced sustainable practices. In addition to his business endeavors, He is also a member of the Lok Sabha, representing the Kurukshetra constituency in Haryana. He is recognized for his commitment to social causes, particularly in education and women's empowerment, and has championed various initiatives to enhance infrastructure and economic development in his region. His multifaceted career reflects a blend of entrepreneurial spirit and dedication to public welfare.

#### **Mr. Naveen Jindal**

*Chairman  
Jindal Steel & Power*



Ms. Shallu Jindal is the esteemed Chancellor of O. P. Jindal University, a distinguished academic institution committed to fostering global excellence in education and research. A visionary leader and philanthropist, she brings with her a wealth of experience in business, social impact, and community development. As the driving force behind several transformative initiatives through the Jindal Foundation, Ms. Jindal has played a pivotal role in advancing education, empowering women, and promoting sustainable development. Her leadership at OPJU is guided by a deep commitment to nurturing a world-class learning environment that fosters academic innovation, diversity, and social responsibility, ensuring that students are equipped to become leaders and changemakers in the global landscape.

#### **Ms. Shallu Jindal**

*Chancellor  
O. P. Jindal University*





Dr. R. D. Patidar is the esteemed Vice Chancellor of O. P. Jindal University (OPJU) Raigarh. With a distinguished academic and administrative career, Dr. Patidar has played a pivotal role in steering the university toward academic excellence and holistic development. Under his leadership, OPJU has grown in prominence, offering a broad spectrum of academic programs while emphasizing quality education, research, and innovation. Dr. Patidar's strategic vision for the university includes fostering an environment conducive to interdisciplinary learning, enhancing industry partnerships, and promoting global collaborations. His deep commitment to higher education and leadership continues to drive OPJU's mission to nurture well-rounded, globally aware graduates equipped to face the challenges of the 21st century.

**Dr. R. D. Patidar**  
*Vice Chancellor*





# Vision

To be a role model among higher education institutions globally, aims to empower young minds to drive sustainable societal transformation through excellence in value-based education, research, innovation, and entrepreneurship.

## Mission

- **Develop Industry-Ready Talent:**

Create programs aligned with new-age technologies to build a skilled workforce that drives societal growth.

- **Enhance Employability:**

Implement outcome-based education using emerging technologies and experiential learning, equipping students to solve real-world problems and improve their employability.

- **Cultivate Global Collaborations:**

Foster local and global partnerships to enrich teaching, research, and institution building.

- **Promote Holistic Leadership:**

Incorporate liberal education to nurture well-rounded, globally competent leaders capable of multifaceted responsibilities.

- **Encourage Innovation and Entrepreneurship:**

Establish an industry-focused environment that supports innovation and entrepreneurship, contributing to sustainable development.

## Core Values

- **Student-Centric Success:** Measure success through student outcomes.

- **Academic Freedom and Trust:** Foster an environment of academic freedom and trust.

- **Ethical Integrity:** Maintain the highest standards of ethics and integrity in all operations.

- **Social Responsibility:** Develop sustainable practices and concern for the environment & Society.

- **Inclusive Accessibility and Compassion:** Remain accessible to all facets of society without consideration of economic status.



## 2.1 UG Programmes:

S.No:	Program	Duration (yrs.)	Intake (All Categories)
<b>Faculty of Engineering &amp; Technology</b>			
1.	Bachelor of Technology (Civil Engineering)	4	30
2.	Bachelor of Technology (Computer Science and Engg.)	4	120
3.	Bachelor of Technology (Electrical Engineering)	4	60
4.	Bachelor of Technology (Mechanical Engineering)	4	60
5	Bachelor of Technology (Metallurgical and Materials Engineering)	4	60
<b>Faculty of Management &amp; Science</b>			
6.	Bachelor of Business Administration	3	120
7.	Bachelor of Commerce	3	60
<b>Faculty of Science</b>			
8.	Bachelor of Science (Biotechnology)	3	60
9.	Bachelor of Science (Chemistry)	3	20
10.	Bachelor of Science (Mathematics)	3	20
11.	Bachelor of Science (Physics)	3	20
12.	B.Sc (Data Science and Analytics)	3	20

## 2.2 PG Programmes:

S.No:	Program	Duration (yrs.)	Intake (All Categories)
<b>Faculty of Engineering &amp; Technology</b>			
1.	Master of Technology (Computer Science and Engineering)	2	18
2.	Master of Technology (Manufacturing Technology and Automation)	2	30
3.	Master of Technology (Material Science and Technology)	2	30
4.	Master of Technology (Power Electronics and Power Systems)	2	24
5.	Master of Technology (Power Plant Engineering and Energy Management)	2	24
6.	Master of Technology (Structural Engineering)	2	18
<b>Faculty of Science</b>			
7.	Master of Science (Chemistry)	2	20
8.	Master of Science (Physics)	2	20
9.	Master of Science (Mathematics and Computing)	2	20
<b>Faculty of Management Science</b>			
10.	Master of Business Administration	2	90

## 2.3 Doctoral Programmes:

S.No:	Program	Duration (yrs.)	
		Min	Max
Faculty of Engineering & Technology			
1.	Mechanical Engineering	3	6
2.	Metallurgical Engineering	3	6
3.	Civil Engineering	3	6
4.	Computer Science and Engineering	3	6
5.	Electrical Engineering	3	6
Faculty of Science			
6.	Humanities	3	6
7.	Physics	3	6
8.	Chemistry	3	6
9.	Mathematics	3	6
Faculty of Management Science			
10.	Management	3	6



### 3 Various Committees:

#### 3.3 Anti-Ragging Committee:

S. No.	Name of the Faculty	Designation	Contact No.	E-mail Id
1	Dr. Anurag Vijaywargiya, Registrar	Registrar & Nodal Officer	9109977001	registrar@opju.ac.in
2	Dr. Siddharth S. Chakrabarti, Professor & Dean- SoE	Member	9827478048	siddharth.chakrabarti@opju.ac.in
3	Dr. Ashish K Sharma, Professor-CSE	Member	9637266268	ashishk.sharma@opju.ac.in
4	Dr. J P Rath, Associate Professor-Management	Member	9437165222	jp.rath@opju.ac.in
5	Dr. Sushree Diptimayee Swain, Assoc. Prof. (Sr. Grade)—Electrical Engg.	Member	9109977009	sushree.swain@opju.ac.in
6	Dr. Rekha Sharma, Associate Professor (Sr. Grade), Management	Member	8077277676	rekha.sharma@opju.ac.in
7	Dr. Saumya Singh, Assoc. Prof (Sr. Grade), Mathematics	Member	9109977041	saumya.singh@opju.ac.in
8	Prof. Vinod Nagpure, Asst. Professor (Sr. Grade)-Civil	Member	9109977037	vinod.nagpure@opju.ac.in
9	Dr. Vatsala Chaturvedi, Asst. Prof. (Sr. Grade)-Metallurgical Engineering	Member	9140480421	vatsala.chaturvedi@opju.ac.in
10	Dr. Jitesh Singh, Asst. Professor-Mechanical	Member	9575380830	jitesh.singh@opju.ac.in
11	Dr. R N Shukla, Associate Professor, CSE	Member	9109977050	rnshukla@opju.ac.in
12	Dr. Kalyan Phani, Associate Professor, Meta	Member	9445884028	kalyan.phani@opju.ac.in
13	Dr. Dharmender Singh Sani, Assistant Professor-Mechanical	Member	7828203641	dharmender.saini@opju.ac.in
14	Dr. Umashankar Ghugar, Associate Professor-CSE	Member	9937254435	umashankar.ghugar@opju.ac.in
15	Dr. Umesh Kumar Vishwakarma, Associate Professor-Mechanical	Member	9411151122	umesh.vishwakarma@opju.ac.in
16	Dr. Rahul Sharma, Associate Professor-Mgmt.	Member	9039066315	rahul.sharma@opju.ac.in
17	Prof. Shashikant Kaulshay, Assistant Professor-EE	Member	8839995506	shashikant.kaushaley@opju.ac.in
18	Dr. Deepayan Priyadarshi, Sr. Assistant Professor-Civil	Member	7008001521	deepayan.priyadarshi@opju.ac.in
19	Dr. Swapnasrit Kar, Assistant Professor-Civil	Member	9853364747	swapnasarit.kar@opju.ac.in
20	Prof. Nandalal Acharjee, Assistant Professor-Meta	Member	8839229905	nandalal.acharjee@opju.ac.in
21	Dr. Saurabh Gupta, Assistant Professor-Mgmt.	Member	9795848506	saurabh.gupta@opju.ac.in
22	Dr. Deepak Singh, Associate Professor-Electrical	Member	9303870700	deepak.singh@opju.ac.in

23	Dr. Ankur Rastogi, Associate Professor, Chemistry	Member	9755927688	ankur.rastogi@opju.ac.in
24	Nomination of Police Administration - Ex-Officio	To be nominated	-	-
25	Nominee of the Civil Administration	To be nominated	-	-
26	Dr. Yugal Kishor Panda	Parent's Representative	9617915868	-
27	Mr. Ashish Kumar Panda	Student's Representative	8260849166	ashi.btl23ee06@opju.ac.in
28	Mr. Mohit Sharma	Student's Representative	8895257251	mohi.mba2331@opju.ac.in
29	Ms Vishakha Singh	Student's Representative	9009410045	vish.ug20bscch16@opju.ac.in

### 3.2 Students Grievance Redressal Committee:

S. No.	Name of Committee Member	Designation	Contact No.	E-Mail Id
1	Dr. Girish Chandra Mishra- Professor & Dean - SOS	Chairman & Nodal Officer	9109977024	girish.mishra@opju.ac.in
2	Dr. Shesadev Nayak, Professor & Director - CDC	Member	9871000398	shesadev.nayak@opju.ac.in
3	Dr. S Das Professor & HoD (Metallurgy)	Member	9425303176	s.das@opju.ac.in
4	Dr. Saumya Singh Associate Professor (Sr. Grade) - Mathematics	Member	8103698224	saumya.singh@opju.ac.in
5	Dr. Surendra Dwivedi Associate Professor & Chief Warden - Mechanical	Member	9109977022	surendra.dwiwedi@opju.ac.in
6	Dr. Bhupesh Dewangan Associate Professor - CSE	Member	7060599233	bhupesh.dewangan@opju.ac.in
7	Dr. Mahashakti Mahamaya Asst. Professor (Sr. Grade) - Civil & Warden - Girls Hostel	Member	8895841504	mahasakti.mahamaya@opju.ac.in
8	Dr. Rekha R. Sharma Associate Professor (Sr. Grade) - SOM	Member	8077277676	rekha.sharma@opju.ac.in
9	Prof. Pushpanjali Shadangi Assistant Professor (Sr. Grade) - EE	Member	9109977036	pushpanjali.shadangi@opju.ac.in
10	Ajay Patel CSE - 3rd Year	Student's Representative	8839171099	ajay.bt22cs01@opju.ac.in
11	Aditya Narayan Singh MBA - 1st Year	Student's Representative	9617211583	ans060999@gmail.com
12	Tamanna Pasait B.Sc. (Hons.)- 2nd Year	Student's Representative	6267241748	tama.bsc23ch23@opju.ac.in



### 3.3 Internal Complaint Committee (ICC):

S. No.	Committee Members	Position	Contact No.	Email ID
1	Dr. Saumya Singh Associate Professor-Maths	Chairperson	8103698224	saumya.singh@opju.ac.in
2	Dr. Rekha Sharma Associate Professor-Mgmt.	Member	8077277676	rekha.sharma@opju.ac.in
3	Dr. Sushree Diptimayee Swain Associate Professor-EE	Member	9109977009	sushree.swain@opju.ac.in
4	Dr. Mahashakti Mahamaya Associate Professor-Civil	Member	8895541504	mahashakti.mahamaya@opju.ac.in
5	Dr. Anupama Patel Asst. Prof., Govt. Paluram Dhaniya Commerce & Arts College, Raigarh	External Member	8770888492	i.anupama.patel@gmail.com
6	Dr. S Das Professor-Meta	Member	9425303176	s.das@opju.ac.in
7	Dr. Vikash Kumar Assistant Professor-Mgmt.	Member	9039642356	vikash.kumar@opju.ac.in
8	Dr. Kavita Patel Associate Professor-Chemistry	Member	9993993019	kavita.patel@opju.ac.in
9	Dr. Surendra Dwiwedi Director-Administration	Member	9109977022	surendra.dwiwedi@opju.ac.in
10	Dr. Anurag Vijaywargiya Registrar	Member	9109977001	registrar@opju.ac.in
11	Himansi Sharma	Student's Representative	9630753890	himanshisharma123q@gmail.com
12	Rihal Agrawal	Student's Representative	6261176407	rihalagrawal16@gmail.com
13	Mohit Sharma	Student's Representative	8895257251	ammamohit1721@gmail.com

### 3.4 SC/ST Cell:

S. No	Name of Committee Member	Designation	Contact No.	E-Mail Id
1	Dr. Mahesh K Bhiwapurkar, Professor - Mechanical	Chairman	9109977029	mahesh.bhiwapurkar@opju.ac.in
2	Dr. Umashankar Ghugar, Associate Professor - CSE	Member	9937254435	umashankar.ghugar@opju.ac.in
3	Dr. Nidhi Khobragade, Assistant Professor - MME	Member	9771864653	nidhi.khobragade@opju.ac.in
4	Dr. Shashikant Kaushaley, Assistant Professor - EE	Member	8839995506	shashikant.kaushaley@opju.ac.in
5	Prof. Pushpanjali Shadangi, Asst. Professor (Sr. Grade) - EE	Member	9109977047	pushpanjali.shadangi@opju.ac.in
6	Mr. Brijesh Kr. Songotra, Asst. Registrar	Member Secretary	9109977033	brijesh.songotra@opju.ac.in

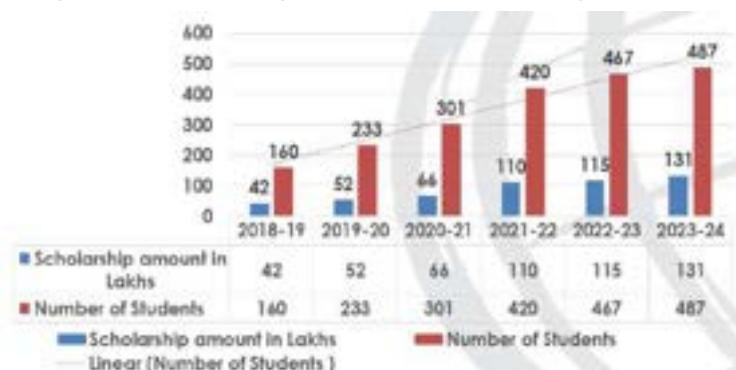
## 4 Scholarships & Privileges:

### 4.1 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 (H)	B.Sc. (H)	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:



### 4.2 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.

### 4.3 O.P. Jindal Engineering & 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.



### Students awarded for OPJEMS for the year 2023-24:

S. No.	Name of Student	Course	Year	Scholarship Amount
1.	Anoushka Sharma	MBA-2 <sup>nd</sup>	2 <sup>nd</sup>	1,50,000.00
2.	Sanskar Pandey	B. Tech-Mechanical-4 <sup>th</sup>	4 <sup>th</sup>	80,000.00
3.	Shivam Kumar Jha	B. Tech-EE-3 <sup>rd</sup>	3 <sup>rd</sup>	80,000.00
4.	Kolli Venkatesh	B. Tech- Meta-3 <sup>rd</sup>	3 <sup>rd</sup>	80,000.00



### 4.4 Other Privileges & Discounts:

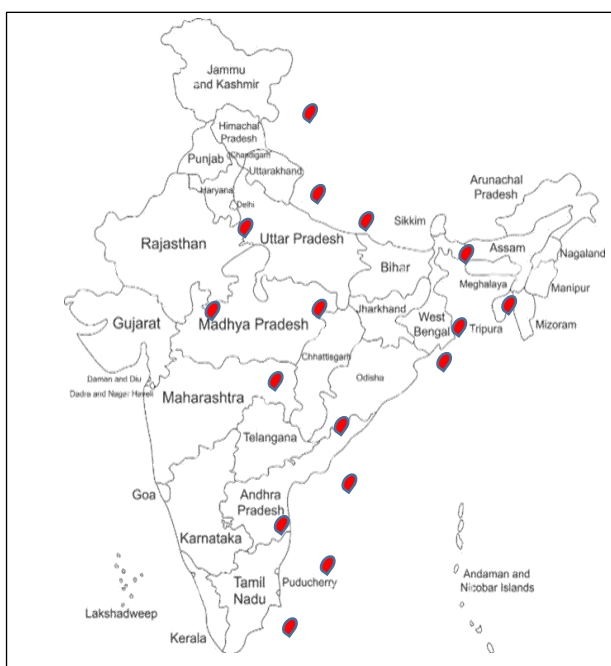
S. No.	Concession (%)	Applicability
1	20% *	Wards of Jindal Group Employee & Employee himself/herself
		Students from all OP Jindal School
		Alumni and Real Brothers/Sisters of alumni as well as existing students
		A candidate secured cut-off marks in the SAT
2	20%	Applicable in Hostel & Mess fee for 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.

### 5. Student's Admission & Diversity:

Total Strength	Total Male	Total Female
1839	1342	497

Students admitted from different States	
Andhra Pradesh	08
Bihar	20
Chhattisgarh	564
Haryana	06
Jharkhand	50
Karnataka	04
Rajasthan	01
Maharashtra	18
Madhya Pradesh	03
Odisha	54
Rajasthan	01
Tamil Nadu	03
Telangana	01
Uttar Pradesh	13
West Bengal	10
<b>Total</b>	<b>756</b>



### 5.1 Admissions Growth in last 05 Years:



### 6. Student's Performance (Result) Academic Session- 2023-24

S. No.	Name of Programme	Branch/Department	Sem.	Status	Pass%
1	B. Tech	Civil Engineering	8 <sup>th</sup>	Regular	100%
2	B. Tech	Computer Science and Engineering	8 <sup>th</sup>	Regular	98%
3	B. Tech	Electrical Engineering	8 <sup>th</sup>	Regular	100%
4	B. Tech	Mechanical Engineering	8 <sup>th</sup>	Regular	90%
5	B. Tech	Metallurgical Engineering	8 <sup>th</sup>	Regular	100%
6	M. Tech	Structural Engineering	4 <sup>th</sup>	Regular	100%
7	M. Tech	Computer Science and Engineering	4 <sup>th</sup>	Regular	100%
8	M. Tech	Power Electronics & Power System	4 <sup>th</sup>	Regular	100%
9	M. Tech	Power Plant Engineering and Energy Mgmt.	4 <sup>th</sup>	Regular	100%
10	M. Tech	Manufacturing Technology and Automation	4 <sup>th</sup>	Regular	100%
11	M. Tech	Material Science and Technology	4 <sup>th</sup>	Regular	100%
12	Diploma	Electrical Engineering	6 <sup>th</sup>	Regular	100%
13	Diploma	Mechanical Engineering	6 <sup>th</sup>	Regular	100%
14	Diploma	Metallurgical Engineering	6 <sup>th</sup>	Regular	67%
15	BBA	Management	6 <sup>th</sup>	Regular	83%
16	B.Com.(Hons.)	Management	6 <sup>th</sup>	Regular	79%
17	MBA	Management	4 <sup>th</sup>	Regular	79%
18	EMBA	Management	4 <sup>th</sup>	Regular	100%
19	B.Sc.(Hons.)	Physics	6 <sup>th</sup>	Regular	100%
20	B.Sc.(Hons.)	Chemistry	6 <sup>th</sup>	Regular	91%
21	B.Sc.(Hons.)	Mathematics	6 <sup>th</sup>	Regular	65%
22	M.Sc.	Physics	4 <sup>th</sup>	Regular	100%
23	M.Sc.	Chemistry	4 <sup>th</sup>	Regular	78%

Also, 09 PhD Scholars have been awarded with the PhD Degree in 2023-24 (05 from Faculty of Engineering & Technology, 02 from Faculty of Science and 02 from Faculty of Management Science).



## 7. Laboratory/infrastructure development in 2023-24:

S. No.	Department	Name of Equipment/Software	Total Investment
1	Metallurgical Engineering	High Precision Cutting Machine-Isomet 1000, Solid Density Meter Model No-CWS-600D Make Scale, Solid Density Meter Model No-CWS-600D Make Scale TEC, Vacuum Desiccator	21,34,030.00
2	Mechanical Engineering	Sputter coater (Gold coating unit), Pyrometer gun with data logger, Erichsen Cupping Testing Machine-Model No:1811, 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	67,40,841.00
3	Biotechnology	Dissection Microscope Compound Microscope Vertical Autoclave (22 lit) Manual Rotatory Microtome Micro centrifuge Hot Air Oven Fine pipette F2 GIP-Kit	13,74,911.00
4.	Electrical Engineering	75 Wp Solar Rooftop Power Plant	34,21,800.00
5.	CSE & IT Infrastructure	Desktops PCs (200 no.) with the latest configuration for setting up a new lab, Laptops (25 Nos'), Printers (08 Nos'), Network (Wi-Fi & LAN), Software's, Interactive Display Panels (IDPs)- 21 Nos', Furniture & Fixures	3,95,07,863.00
6.	Library	RFID System, Digital Library Expansion, Costs of E-subscription (J-Gate, EBSCO, IEEEESP, EBSCO Business Elite, M-Library Portal, Turnitin Anti Plagism)	78,34,272.00
<b>Total</b>			<b>6,10,13717.00</b>

## 8. Central Library:

- Total no. of books till date – **30175 books**
- Total no. of Titles- **5434 Titles**
- Amount spent in Purchasing of Books in the year 2023-24 – ₹ **10,14,200**
- Total no. of Hard Copy Journals – **128 Journals**
- Investment done for Hard Copy Journals - ₹ **5,48,452**
- E-Journals subscribed – **06**
- Cost of E-Journals - ₹ **22,07,036**
- E-Shodhsindhu, Sodhganga
- Research Database: **IEEE, EBSCO, Shodhganga, CORE, NPTEL etc.**
- Digital Library: **40 Systems**

## 9. Centres of Excellences:

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

### 9.1 RESEARCH AND DEVELOPMENT CELL (RDC):

#### Objectives:

- Promote a culture of research and scholarship amongst the faculty members.
- To bring OPJU in 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 on a regular basis.

#### 9.1.1 RDC supports and activities in the year 2023-24:

- Conducted 5 events on various research related topics for the benefit of the scholars and faculty.
- Supported >40 faculty in attending conferences/Workshops/FDP.
- Endorsed >50 faculties in Professional bodies of National/International Repute.
- 5 seed money project sanctions (Meta, Civil, EE and Mech) of amount **30000/- each**.
- Created the Vidwan profiles and updation of IRNIS.

#### 9.1.2 Major accomplishment in 2023-24:

- Vidwan Profile drive across the University.
- Instrumental in increasing the visibility of the faculty profiles among the research community.
- Incorporation of Turnitin Plagiarism software with AI detection.
- Incorporation of more number of e-journals and e-books relevant for Research at OPJU Library.
- Strategic planning and implementation to improve the marks in C3 of NAAC.
- Major attempts made to improve Citations from 1200 to 2100.

#### 9.1.3 Research & Publication in the year 2023-24:

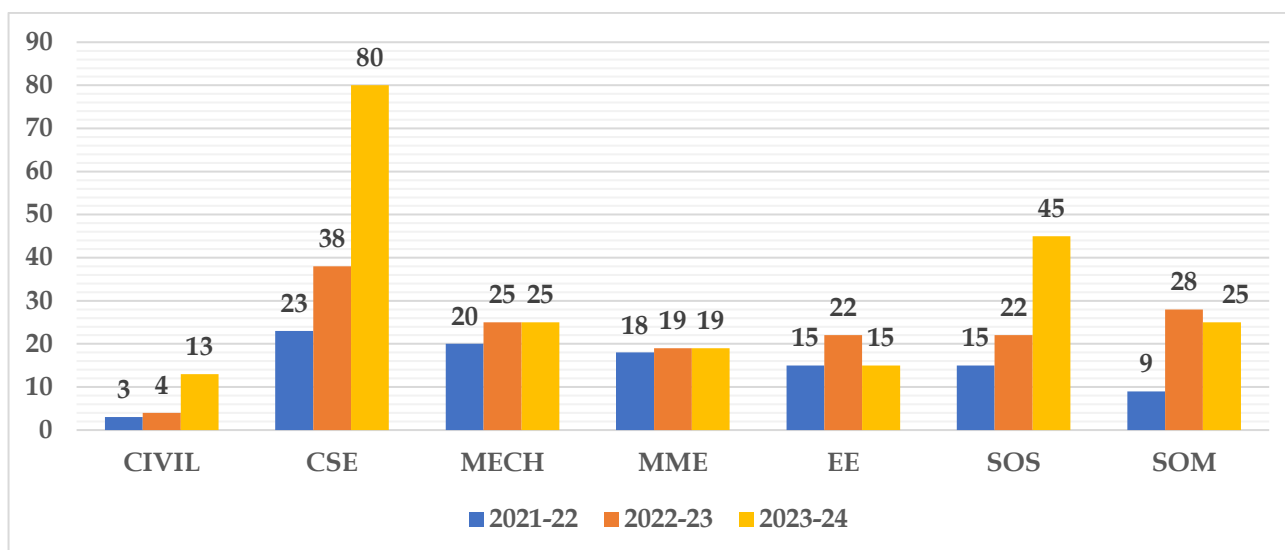
Department/School	Number of Publications in International Peer Reviewed Journals		
	SCOPUS/SCI (A)	UGC Care – I (B)	Non-SCOPUS(C)
Civil	6	-	6
CSE	22	-	35
Mechanical	15	-	6
Metallurgy	8	1	4
EE	4	-	5
Faculty of Science	19	4	1
Faculty of Management Science	13	-	
<b>Total</b>	<b>86</b>	<b>05</b>	<b>57</b>
<b>Total (A+B+C)</b>	<b>148</b>		

#### 9.1.4 Book/Edited Volume/Book Chapters Publication in 2023-24:

Department/School	Number of Publication (Books/ Edited Volume/ Book Chapter)		
	Book Chapters(A)	Books (B)	Edited Volume(C)
Civil	01	-	-
CSE	20	3	-
Mechanical	04	-	-
Metallurgy	05	1	-
EE	04	1	-
Faculty of Science	15	6	-
Faculty of Management Science	04	4	01
<b>Total</b>	<b>53</b>	<b>15</b>	<b>01</b>
<b>Total (A+B+C)</b>	<b>69</b>		

#### 9.1.5 Overall Publications Statistics for the last three years:

(August 2021 to December 2024)

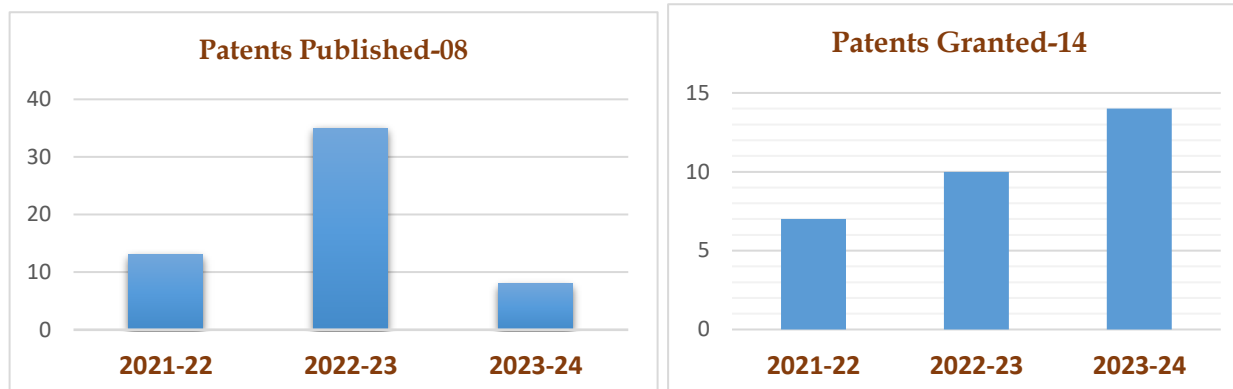


#### 9.1.6 Incentives distributed for Publications in Peer Reviewed Journals / Books / Book Chapters / Edited Volumes / Patents (2023-24)

S.No.	Name of Schools	Amount (in Rs.)
1.	Faculty of Engineering & Technology	4,08,400.00
2.	Faculty of Management Science	1,54,666.00
3.	Faculty of Science	1,38,866.00
	<b>Total</b>	<b>7,01,932.00</b>



### 9.1.7 Patent Statistics of the last three years: (September 2021 to December 2024)



### 9.1.8 List of Books Published in 2023-24:

S. No.	Faculty Involved	Book Details
1	Dr. M Kalyan Phani	"Theory of Engineering Fluid Mechanics", Authors Click Publishing, India, 2024 (ISBN:978-93-6665-253-5).
2	Dr. Umashankar Ghugar	Developing AI, IoT and Cloud Computing-based Tools and Applications for Women's Safety, Routledge, Taylor & Fransis Group, <a href="https://www.routledge.com/Developing-AI-IoT-and-Cloud-Computing-based-Tools-and-Applications-for-Womens-Safety/Dubey-Chhabra-Hung-Ghugar/p/book/9781032884554">https://www.routledge.com/Developing-AI-IoT-and-Cloud-Computing-based-Tools-and-Applications-for-Womens-Safety/Dubey-Chhabra-Hung-Ghugar/p/book/9781032884554</a>
3	Dr. Arti Vaish	Adaptive Power Quality for Power Management Units using Smart Technologies, Edited by Arti Vaish et al from Taylor and Francis, CRC Press, <a href="https://doi.org/10.1201/9781003436461">https://doi.org/10.1201/9781003436461</a>
4	Dr. Bhupesh Kumar Dewangan	Futuristic Trends in Computing Technologies and Data Sciences, Iterative International Publishers
5	Dr. Taniya Sengupta Rathore	Biological Resources for Sustainable Research, Thanuj International Publishers, Tamil Nadu, India, <a href="https://darshanpublishers.com/pdfcopy/thanuj/978-93-94638-90-7.pdf">https://darshanpublishers.com/pdfcopy/thanuj/978-93-94638-90-7.pdf</a>
6	Dr Sanjay Kumar Singh	Entrepreneurship & Ethics, ISBN: 978-93-6010-873-1, Prime International Publishing House, TN
7	Dr Sanjay Kumar Singh	Professional Ethics in Engineering, ISBN: 978-93-6010-527-3, Prime International Publishing House, TN
8	Dr. Dipti Shukla	"Physics: Basics & Advanced Concepts" (2024). ISBN-13: 978-81-979445-4-3 (CIRS PUBLICATION).
9	Dr. Dipti Shukla	"Communication Electronics -II Principle and Applications" (Monica Bhandari Books).
10	Dr. R. S Singh	Two Dimensional Nanomaterials for Biosensing and Imaging Applications, Wiley Scrivener, ISBN: 9781394199921
11	Dr. Sukanta Sahoo	Services Marketing in Health Care Sector A Case Approach, SSDN Publishers, India
12	Dr. Shradha Gupta	An idea to Impact: A Startup Journey, Self-Published; 1st edition (4 June 2024); Powered by Pothi.com, ISBN: 978-933401021-3
13	Dr. Shradha Gupta	Green Business Paradigm: Finance, Human Resource and Marketing for Sustainability, WALNUT Publications; ISBN: 978-935911635-8
14	Dr. Rekha Sharma	Introduction to Managerial Accounting, ISBN No. 978-81-19998-10-4 Taran Publication, New delhi
15	Dr. R. D Patidar	Revolutionizing Indian Education Through Experiential Learning, Publisher: Zorba Books.

### 9.1.9 List of Book Chapters published in 2023-24:

S. No.	Faculty Involved	Book Details
1	Dr. Guru Prakash	A review of the mechanical and tribological characterization of Al-7075 composite, Green Composites Manufacturing, De Gruyter, <a href="https://www.degruyter.com/document/doi/10.1515/9783111067346002/pdf?licenseType=restricted">https://www.degruyter.com/document/doi/10.1515/9783111067346002/pdf?licenseType=restricted</a>
2	Dr. M Kalyan Phani	Additive manufacturing: Environmental impact, and future perspective, Practical Implementations of Additive Manufacturing Technologies, Springer Singapore, <a href="https://link.springer.com/chapter/10.1007/978-981-99-5949-5_14">https://link.springer.com/chapter/10.1007/978-981-99-5949-5_14</a>
3	Dr. Nidhi Khobragade	Fabrication and Applications of Advanced and Innovative Nano-Composite Materials, Design, Fabrication, and Significance of Advanced Nanostructured Materials, IGI Global Publishing, (2024), ISBN13: 9798369353202, DOI: 10.4018/979-8-3693-5320-2.ch006
4	Dr. M Kalyan Phani	Present and the Future of Mechanically alloyed materials, Mechanically alloyed Novel Materials, Springer Nature, pp. 459-469 (November 2024)
5	Dr. Trinath Talapaneni and Dr. Vatsala Chaturvedi	Consolidation of Mechanically Alloyed Powders” in the book “Mechanically Alloyed Novel Materials”. Advanced Structured Materials, Vol 220. Springer, Singapore pp.111-169 (2024). Doi: <a href="https://doi.org/10.1007/978-981-97-6504-1_6">https://doi.org/10.1007/978-981-97-6504-1_6</a>
6	Dr. Mithilesh Sahu	Improvement of Aerodynamic Performance of Aerofoil Design by Using Shark Skin Inspired Denticles, Recent Advances in Mechanical Engineering, Volume 1. ICMech-REC 2023. Lecture Notes in Mechanical Engineering. Springer, Singapore; ISBN: 978-981-97-0917-5; <a href="https://doi.org/10.1007/978-981-97-0918-2_50">https://doi.org/10.1007/978-981-97-0918-2_50</a> ,
7	Dr. Mithilesh Sahu	Green Design and Manufacturing in the Era of Industry 4.0: Towards Waste Reduction and Sustainable Environmental, Book: Green Manufacturing for Industry 4.0; CRC Press, Taylor and Francis Group, UK, eBook ISBN: 9781003439684; <a href="https://doi.org/10.4324/9781003439684">https://doi.org/10.4324/9781003439684</a>
8	Dr. Umesh Vishwakarma	The Basic Concept of 3D Printing and Its Application in Dermatological Conditions, 3D Printing and Microfluidics in Dermatology, CRC Press
9	Dr. Anurag Vijaywargiya Dr. Mahesh Bhiwapurkar	Determining safe limit for lifting task parameters in asymmetric posture during manual lifting, Challenges and Opportunities in Industrial and Mechanical Engineering: A Progressive Research Outlook, CRC Press (2024) eBook ISBN: 9781032713229
10	Dr. Rakesh Nayak	A Case Study on Intelligent Engineering Applications for Sustainability Using AI and ML Approaches, IGI Global, <a href="https://www.igi-global.com/chapter/a-case-study-on-intelligent-engineering-applications-for-sustainability-using-ai-and-ml-approaches/329591">https://www.igi-global.com/chapter/a-case-study-on-intelligent-engineering-applications-for-sustainability-using-ai-and-ml-approaches/329591</a>
11	Dr. Rakesh Nayak + Dr. Umashankar Ghugar	Case Study on the Social Impact of Intelligent Technologies: An Overview, IGI Global, <a href="https://www.igi-global.com/chapter/case-study-on-the-social-impact-of-intelligent-technologies/330912">https://www.igi-global.com/chapter/case-study-on-the-social-impact-of-intelligent-technologies/330912</a>
12	Dr. Rakesh Nayak + Dr. Umashankar Ghugar	Challenges in Building Predictive Models, John Wiley & Sons, <a href="https://books.google.co.in/books?hl=en&amp;lr=&amp;id=LE0PEQAAQBAJ&amp;oi=fnd&amp;pg=PA25&amp;ots=QvgleBYo6h&amp;sig=S4XuHt8Z_QhdyuMgvlXrtRqXmGI#v=onepage&amp;q&amp;f=false">https://books.google.co.in/books?hl=en&amp;lr=&amp;id=LE0PEQAAQBAJ&amp;oi=fnd&amp;pg=PA25&amp;ots=QvgleBYo6h&amp;sig=S4XuHt8Z_QhdyuMgvlXrtRqXmGI#v=onepage&amp;q&amp;f=false</a>
13	Dr. Rakesh Nayak + Dr. Umashankar Ghugar	Role of Data Science and Cybersecurity in Fighting Healthcare Fraud, IGI Global <a href="https://www.igi-global.com/chapter/role-of-data-science-and-cybersecurity-in-fighting-healthcare-fraud/351588">https://www.igi-global.com/chapter/role-of-data-science-and-cybersecurity-in-fighting-healthcare-fraud/351588</a>
14	Dr. Arti Vaish	A lightweight fast four Q Key Generation for Embedded Devices on Women Safety, Developing AI, IoT and Cloud Computing-based Tools and Applications for women’s safety (routledge.com)
15	Dr. Arti Vaish	Quantum neural networks for machine learning applied to the tracking and control of the dynamics of stochastic transmission lines, <a href="https://doi.org/10.1201/9781003436461">https://doi.org/10.1201/9781003436461</a>

16	Dr. Arti Vaish	Power grid adaptive and block processing control based on the extended Kalman filter and large deviation theory, <a href="https://doi.org/10.1201/9781003436461">https://doi.org/10.1201/9781003436461</a>
17	Dr. Amit Jain	Enhancing electric vehicle charging efficiency in urban areas with 5G network integration and network attack mitigation, <a href="https://doi.org/10.1201/9781003470281">https://doi.org/10.1201/9781003470281</a>
18	Dr. R.N Shukla (First Author)	ECCO: Cloud Energy Optimization and Load Balancing, Proceedings of the 12th International Conference on Soft Computing for Problem Solving, Lecture Notes in Networks and Systems <a href="https://link.springer.com/chapter/10.1007/978-981-97-3292-0_14">https://link.springer.com/chapter/10.1007/978-981-97-3292-0_14</a>
19	Dr. Bhupesh Kumar Dewangan (Corresponding Author) + Dr Arti Vaish	A Lightweight Encryption Method for Preserving E-Healthcare Data Privacy Using Dual Signature on Twisted Edwards Curves, Proceedings of Fifth International Conference on Computer and Communication Technologies, Lecture Notes in Networks and Systems, <a href="https://link.springer.com/chapter/10.1007/978-981-99-9707-7_7">https://link.springer.com/chapter/10.1007/978-981-99-9707-7_7</a>
20	Dr. Bhupesh Kumar Dewangan (Corresponding Author)	Reinforcement Learning Approach to Solve: PBL Markov Model, Proceedings of Fifth International Conference on Computer and Communication Technologies, Lecture Notes in Networks and Systems, <a href="https://link.springer.com/chapter/10.1007/978-981-99-9707-7_31">https://link.springer.com/chapter/10.1007/978-981-99-9707-7_31</a>
21	Dr. Bhupesh Kumar Dewangan (Corresponding Author)	Comparative Analysis of ARIMA Time Series Model and Other Techniques for Cloud Workloads Performance Prediction, Proceedings of Fifth International Conference on Computer and Communication Technologies, Lecture Notes in Networks and Systems, <a href="https://link.springer.com/chapter/10.1007/978-981-99-9707-7_32">https://link.springer.com/chapter/10.1007/978-981-99-9707-7_32</a>
22	Dr. Bhupesh Kumar Dewangan (Corresponding Author)	Application of brain-inspired computing for daily assistance, <a href="https://www.igi-global.com/chapter/application-of-brain-inspired-computing-for-daily-assistance/320606">https://www.igi-global.com/chapter/application-of-brain-inspired-computing-for-daily-assistance/320606</a>
23	R. D. Patidar	Estimation of Power Consumption Prediction of Electricity Using Machine Learning, <a href="https://link.springer.com/chapter/10.1007/978-3-031-48888-7_13">https://link.springer.com/chapter/10.1007/978-3-031-48888-7_13</a>
24	Dr. Umashankar Ghugar	SPSHS: Security and Privacy Concerns in Smart Healthcare Systems, CRC Press (Taylor & Francis Group), <a href="https://www.taylorfrancis.com/chapters/edit/10.1201/9781032698519-4/spshs-umashankar-ghugar-rakesh-nayak-praveen-gupta-satyabrata-dash">https://www.taylorfrancis.com/chapters/edit/10.1201/9781032698519-4/spshs-umashankar-ghugar-rakesh-nayak-praveen-gupta-satyabrata-dash</a>
25	Dr. Rakesh Nayak and Dr. Amit Jain	Cyber Security for Personal Data, Developing AI, IoT and Cloud Computing-based Tools and Applications for Women's Safety, CRC Press, 2024, eISBN: 9781003538172, (BOOK CHAPTER)
26	Dr. Bhupesh Kumar Dewangan (corresponding author)	Sustainable Internet of Things (IoT) for Restricted Items Using a Dynamic Sleeping Wake-Up Approach, AI Technologies for Information Systems and Management Science. Lecture Notes in Networks and Systems, vol 1136. Springer, Cham..
27	Dr. R. S. Singh, Dr. R. D. Patidar	Carbon Nanostructure Functionalization for Electromagnetic Shielding Applications, Handbook of Functionalized Carbon Nanostructures, Springer, <a href="https://doi.org/10.1007/978-3-031-14955-9_56-1">https://doi.org/10.1007/978-3-031-14955-9_56-1</a>
28	Dr Taniya Sengupta Rathore	Emerging Microbial Enzymes for Future Industrialization, Microbial Products for Future Industrialization, Interdisciplinary Biotechnological Advances, Springer, <a href="https://doi.org/10.1007/978-981-99-1737-2_7">https://doi.org/10.1007/978-981-99-1737-2_7</a>
29	Dr. Dipti Shukla	Design of implantable antenna for biomedical applications, Array and Wearable Antennas Design, Optimization, and Application, CRC Press
30	Dr. Swati Verma	Digital Forensics: Using Blockchain in Cryptocurrency Investigations, book "Fintech, and Blockchains Trends in The Financial Sector" (Bentham Science). <a href="https://benthambooks.com/book/9789815256833">https://benthambooks.com/book/9789815256833</a>
31	Dr. R. S. Singh (corresponding author)	"Electrospun Carbon Nanofibers Based Materials for Flexible Supercapacitors: A Comprehensive Review. "Nanostructured Materials for Energy Storage 3 (2024): 1189-1218 (Wiley). <a href="https://doi.org/10.1002/9783527838851.ch32">https://doi.org/10.1002/9783527838851.ch32</a>
32	Dr. R. S. Singh (corresponding author)	"Carbon Nanotubes Based Nanostructured Materials for Lithium Ion Battery Applications: Recent Advances and Future Perspectives." Nanostructured



		Materials for Energy Storage 1 (2024): 191-223 (Wiley). <a href="https://doi.org/10.1002/9783527838851.ch6">https://doi.org/10.1002/9783527838851.ch6</a>
33	Dr. T. Gayatri	Natural Products in Management of MDR, Natural Products for Antibacterial Drug Development: Recent Advancement of Computational Approach, Springer, Singapore. DOI: <a href="https://doi.org/10.1007/978-981-97-9634-2_2">https://doi.org/10.1007/978-981-97-9634-2_2</a> , ISBN: 978-981-97-9636-6.
34	Dr. T. Gayatri	Multidrug Resistance: Concepts, Mechanisms, and Recent Advances” in the book “Natural Products for Antibacterial Drug Development: Recent Advancement of Computational Approach, Springer, Singapore. DOI: <a href="https://doi.org/10.1007/978-981-97-9634-2_10">https://doi.org/10.1007/978-981-97-9634-2_10</a> , ISBN: 978-981-97-9636-6.
35	Dr. Deepti Sharma	AI and Human Experience: An Architectural Perspective for Industry 5.0. In Powering Industry 5.0 and Sustainable Development Through Innovation (pp. 13-26) (2024). IGI Global.
36	Prof. Bhupendra Tripathi	The Future of Robo-Advisors in Wealth Management” (2024) ISBN13: 9798369332641 ISBN13 Softcover: 9798369345054 EISBN13: 9798369332658, DOI: 10.4018/979-8-3693-3264-1.ch009 <a href="https://doi.org/10.4018/979-8-3693-3264-1.ch009">https://doi.org/10.4018/979-8-3693-3264-1.ch009</a>
37	Dr. Jayprakash Rath	A Conceptual Framework on Migrant Workers: Evaluation of Sustainable Rural Development through MGNREGS, Betham Publishers (Book Chapter)
38	Dr. Rahul Sharma, Dr. Himanshu Vaishnav, Prof. Namrata Ojha	Influencing Consumers’ Perception Through Guerrilla Advertising Tactics in the Indian Market” in the Role of Innovation, Entrepreneurship, and Management for sustainable Development" Atlantis Press, (a part of Springer Nature). ISBN: 978-94-6463-612-3 <a href="https://www.atlantis-press.com/proceedings/icriemsd-24/126007526">https://www.atlantis-press.com/proceedings/icriemsd-24/126007526</a>
39	Dr. Sandeep Biswal (corresponding author)	Directional Relaying Issues in Power Transmission Networks, In: Salkuti, S.R. (eds) Energy and Environmental Aspects of Emerging Technologies for Smart Grid. Green Energy and Technology. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-18389-8_17">https://doi.org/10.1007/978-3-031-18389-8_17</a>
40	Dr. Sandeep Biswal	Optimal Location Selection of Electric Vehicle Charging Stations and Capacitors in Radial Distribution Networks Using GJO Algorithm. In: Salkuti, S.R. (eds) Energy and Environmental Aspects of Emerging Technologies for Smart Grid. Green Energy and Technology. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-18389-8_31">https://doi.org/10.1007/978-3-031-18389-8_31</a>
41	Dr. Ramdayal Patidar, Dr. Sushree D. Swain, Dr. Sandeep Biswal	Performance of Grid-Connected Shunt Active Filter Equipped PV System. In: Salkuti, S.R. (eds) Energy and Environmental Aspects of Emerging Technologies for Smart Grid. Green Energy and Technology. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-18389-8_8">https://doi.org/10.1007/978-3-031-18389-8_8</a>
42	Prof. Pushpanjali Shadangi, Dr. Sushree D. Swain	Power Quality Improvement by Using PV-Integrated DSTATCOM, Book titled "Linear and Nonlinear System Modeling. <a href="https://doi.org/10.1002/9781119847533.ch7">https://doi.org/10.1002/9781119847533.ch7</a>
43	Dr. Anurag Sharma	Seismic Assessment of Vertically Irregular RC Buildings Designed Using DDBD and FBD Approaches. In: Goel, M.D., Vyvhare, A.Y., Khatri, A.P. (eds) Recent Developments in Structural Engineering, Volume 4. SEC 2023. Lecture Notes in Civil Engineering, vol 549. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-97-6603-1_53">https://doi.org/10.1007/978-981-97-6603-1_53</a>

### 9.1.10 List of Designed Patents:

S. No.	Title	Faculty Name	File Number	Country	Status
1	Alloy mixing and casting machine	Dr. Vatsala Chaturvedi, Dr. Deepak Patel	387094-001	India	Granted
2	Cleaning device for goose neck container	Dr. M Kalyan Phani	408924-001	India	Granted
3	3d printing machine	Dr. Prasenjit Biswas	387594-001	India	Granted
4	Low-degree electromagnetic twin roll casting machine	Dr. Prasenjit Biswas	387595-001	India	Granted
5	Water Tank with Refrigeration Unit	Dr. M. S. Desai	368188-001	India	Published
6	Energy Managing Device	Dr. M. S. Desai	393716-001	India	Published
7	Design of Robotic Arm	Dr. Saroj Kumar	406765-001	India	Published
8	Solar air heater	Dr. Mithilesh K Sahu	409690-001	India	Published
9	Cooler for an exhaust gas recirculation and waste heat recovery system	Dr. Mithilesh Kumar Sahu	416275-001	India	Published
10	Real-time brake analyzer	Dr. L.N. Bhandarkar, Dr. M.S. Desai	421328-001	India	Published
11	Concrete Test Hammer	Prof. Tulika Gupta	415134-001	India	Granted
12	IOT Based Street Cleaning Vehicle	Dr. Rakesh Nayak, Dr. Umashankar Ghugar	388885-001	India	Granted
13	Solar Powered IOT Based Dry Waste Collector	Dr. Amit Jain	395798-001	India	Granted
14	Artificial Intelligence based Apparatus for Home Automation Management	Dr. Amit Jain	378542-001	India	Granted
15	Wearable Health Monitoring Jacket	Dr. Ashish Sharma	6309693	India	Granted
16	Locked type industrial mechanical Trolley in coke dry cooling plant	Dr. M Kalyan Phani	424755-001	India	Granted
17	Mechanical and Electrical Equipment Compartment Based Trolley in Coke Dry Quenching Plant	Dr. M Kalyan Phani	426482-001	India	Granted
18	Bi-Directional Sea Wind Energy Generator	Dr. Prasenjit Biswas	414473-001	India	Granted
19	360 Degree Dumping Trolley	Dr. M. S. Desai	415258-001	India	Granted
20	English grammar sentences Checking device	Dr. Sanjay Kumar Singh	430858-001	India	Granted
21	Natural language processing method for contextual understanding of English idioms and phrases	Dr. Sanjay Kumar Singh	202441088836	India	Published
22	Device for employee performance evaluation.	Dr. Shradha Gupta & Prof. Sujata Panda	430702-001	India	Published

### 9.1.11 List of Journals (SCI/Scopus) Published in 2023-24:

S. No.	Main Author (Internal)	Co-Author (Internal)	Title of the Paper with details
1	-	Dr. M Kalyan Phani	Application of Taguchi Method for Experimental Design of Dephosphorization process of steel through Induction furnace route, Eur. Chem. Bull. 2023,12(10), 13030 13048,10.48047/ecb/2023.12.10.9132023
2	-	Dr. Prasenjit Biswas; Dr. Deepak Patel	Effect of Low Degree Electromagnetic Field on Solidification Mechanism and Mechanical Properties of Twin Roll Cast Al 7075 Alloy, JOM 75, 5868–5883 (2023). <a href="https://doi.org/10.1007/s11837-023-06173-y">https://doi.org/10.1007/s11837-023-06173-y</a>
3	Dr. Neeraj Kumar Verma	-	Unfolding the hydrogen gas sensing mechanism across 2D Pnictogen/graphene heterostructure sensors, Sensors and Actuators B: Chemical, Volume 399, 2024, 134807, <a href="https://doi.org/10.1016/j.snb.2023.134807">https://doi.org/10.1016/j.snb.2023.134807</a>
4	Dr. Neeraj Kumar Verma	-	Taguchi optimized wear and self-lubricating properties of Al-alloy composite reinforced with hybrid B4C–MoS2 particulates, Journal of Materials Research and Technology, 28, 2024, 4142-4151
5	Prof. Nandalal Acharjee	Dr. Prasenjit Biswas	Uses of Black Pigmented CAS Glass in Conventional Ceramic Industry: Production, Impediments to Metallization, and Startling Approaches for Colour Evaluation, Journal of Pigment and Resin Technology, ISSN: 0369-9420.
6	Dr. Nidhi Khobragade	-	Graphene reinforced SiC ceramic composites using powder metallurgy route: A short review, Materials Today: Proceedings, (2024), <a href="https://doi.org/10.1016/j.matpr.2024.05.128">https://doi.org/10.1016/j.matpr.2024.05.128</a>
7	Dr. Prasenjit Biswas	Dr. Deepak Patel	A Review on the Development of Processing Techniques for the Production and Casting of Al-Alloy and Metal Matrix Composite Material, Iran J Sci Technol Trans Mech Eng (2024). <a href="https://doi.org/10.1007/s40997-024-00773-y">https://doi.org/10.1007/s40997-024-00773-y</a>
8	-	Dr. M Kalyan Phani	Reuse of spilled-out metal powder from LMD in making hybrid mining tools”, Advanced Materials & Processes 182 (8), ASM International, 2024.
9	Dr. Mukesh Shyamkant Desai (Corresponding Author)	-	Modified Single Minute Exchange Of Die For Reduction Of Ambulance Response Time, Industrial Engineering Journal, ISSN: 0970-2555, Volume: 52, Issue 9, No. 2, 2023
10	-	Dr. Mukesh Shyamkant Desai	Modelling Of Reverse Logistic Approaches: A Proposed Framework, Industrial Engineering Journal, Issn: 0970-2555, Volume: 52, Issue 9, No. 1, 2023
11	Dr. Mukesh Shyamkant Desai	-	The Compatibility Gap Between The Steps Of Single Minute Exchange Of Die And Activities Of Ambulance Response Time, Industrial Engineering Journal, Issn: 0970-2555, Volume: 52, Issue 8, No. 5, 2023
12	-	Dr. Mukesh Shyamkant Desai	Mathematical modelling for the cost of quality: a case of steel plant activities, Industrial Engineering Journal, ISSN: 0970-2555, Volume: 52, Issue 9, No. 3, 2023
13	Dr. Jitesh Singh	-	Experimental investigation on tribo-performance of rice husk nanoparticles blend epoxy composites reinforced by Borassus flabellifer L. fibre using neural network approach, Materials Today Communications Volume 38, 2024, 107971
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### 9.1.12 List of Conference Proceeding:

S. No.	Main Author (Internal)	Co-Author (Internal)	Title of the Paper with details
1	-	Dr. M. Kalyan Phani	Study of Green Ball Characteristics and its Relationship with Sinter Bed Permeability, AIP Conf. Proc. 2888, 020001 (2023), <a href="https://doi.org/10.1063/5.0164585">https://doi.org/10.1063/5.0164585</a>
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3	-	Dr. M. Kalyan Phani	Green Steel Technology: A viable approach for sustainable world, Proceedings of the International Conference on Metallurgical Engineering and Centenary Celebration. METCENT 2023. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-99-6863-3_36">https://doi.org/10.1007/978-981-99-6863-3_36</a>
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21	Prof. Sanjana Dewangan	Dr. Bhupesh Kumar Dewangan	Electronic Equipment Waste Generated by Computers and its Effect on Public Health in India," 2023 7th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkiye, 2023, pp. 1-6, doi: 10.1109/ISMSIT58785.2023.10304954.
22	Dr. Bhupesh Kumar Dewangan	-	ML-Based Feature Selection Technique for Imbalanced Data Streams," 2023 7th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkiye, 2023, pp. 1-7, doi: 10.1109/ISMSIT58785.2023.10304929.
23	Dr. Bhupesh Kumar Dewangan	Prof. Sanjana Dewangan	An Adaptive Streaming Feature Selection Technique for Classifying Non-Stationary Data Streams," 2023 7th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkiye, 2023, pp. 1-7, doi: 10.1109/ISMSIT58785.2023.10304890.
24	Dr. Bhupesh Kumar Dewangan	-	Autonomic Computing Based Respiratory Disorders Assessment Using Speech Parameters: A Systematic Review," 2023 7th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkiye, 2023, pp. 1-6, doi: 10.1109/ISMSIT58785.2023.10304972.
25	Dr. Bhupesh Kumar Dewangan	Prof. Sanjana Dewangan	Automation in Vehicle Tracking Through RFID & Bar Code System," 2023 7th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), Ankara, Turkiye, 2023, pp. 1-6, doi: 10.1109/ISMSIT58785.2023.10304944.
26	Dr. Bhupesh Kumar Dewangan	-	A Futuristic Approach to Synaptic Fusion of INN and CNN Architectures for Tissue Classification, 2023 International Conference on Network, Multimedia and Information Technology.
27	Dr. Bhupesh Kumar Dewangan	-	Comparative Analysis of CNN Models for Retinal Disease Detection, 2023 International Conference on Network, Multimedia and Information Technology (NMITCON).
28	-	Dr. Saroj Kumar	Comparative study of model variations: English-Nepali language pair", in IEEE Xplore. DOI:10.1109/OTCON60325.2024.10687932 (2024)
29	Dr. Saurabh Gupta	Dr. Himanshu Vaishnav	Proceedings of the 5th International Conference on the Role of Innovation, Entrepreneurship and Management for Sustainable Development (ICRIEMSD-2024).



### 9.1.13 Central Instrumentation Facility (CIF) for Research:

O.P. 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.	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



**X-Ray Diffractometer (XRD)**



**Scanning Electron Microscopy (SEM)**



**Digital Rockwell Hardness Tester**



**Pin-on-Disk Wear Test**



**Image Analyzer with Metallurgical Microscope**



**Advance Welding Centre**



**High Voltage lab**



**CNC Machine**



**Electrical Machines Lab**

### 9.1.14 Details of Consultancy Projects:

S. No.	Title of the Project	Faculty in-charge	Unit Name
01	Innovative Bus Bar Protection Technique	Dr. Sandeep Biswal (Asst. Prof.), Department of Electrical Engineering	Jindal Power Ltd. (JPL), Tamnar
02	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.), Department of Metallurgical Engineering	DRI, JSPL, Raigarh
03	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) Department of Metallurgical Engineering	SMS, JSPL, Raigarh
04	Utilization of Submerged Arc Furnace Slag	Dr. Trinath Talapaneni (Asst. Prof.), Dr. S. Das (Steel Chair Professor), Department of Metallurgical Engineering	SAF, JSPL, Raigarh
05	Value added utilization of Fly Ash for sustainable solution	Dr. Sibnath Kayal (Asso. Prof.), Dr. Trinath Talapaneni (Asst. Prof.) Dr. S. Das (Steel Chair Professor), Department of Metallurgical Engineering	Plant No. 2, Jindal Power Ltd. (JPL), Tamnar
06	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), Department of Metallurgical Engineering	RUBM and TSD, JSPL, Raigarh
07	Use of Multifocal Concurrent Solar Heating System/ Alternative Source of heating in Metal Melting/Treating Process	Dr. Satish Kanhed (Asst. Prof.), Prof. Akash Pandey (Asst. Prof.), Dr. Umesh Vishwakarma (Asso. Prof.), Dr. Siddharth S Chakrabarti (Professor), Department of Mechanical Engineering	NSPL, Raigarh
08	Use of Multifocal Concurrent Solar/Microwave/Induction Heating System in Water Boiling Process for Steam Turbine	Dr. Satish Kanhed (Asst. Prof.), Prof. Akash Pandey (Asst. Prof.), Dr. Umesh Vishwakarma (Asso. Prof.), Dr. Siddharth Chakrabarti (Professor), Department of Mechanical Engineering	Jindal Power Ltd. (JPL), Tamnar
09	Application of Water Sprinkler and Bent Chimnies for Air Pollution (Coal dust) Reduction	Dr. Satish Kanhed (Asst. Prof.), Prof. Akash Pandey (Asst. Prof.), Dr. Umesh Vishwakarma (Asso. Prof.), Department of Mechanical Engineering	NSPL, Raigarh
10	Design and Development of drone to minimize boiler inspection time	Dr. Mithilesh K. Sahu (Asst. Prof.), Dr. Siddharth S Chakrabarti (Professor), Department of Mechanical Engineering	Jindal Power Ltd. (JPL), Tamnar
11	Design and Development of calibration system for hydraulic servomotor to control pitch angle blade of PA fan	Dr. Mahesh Bhiwapurkar, Professor, Prof. L. R. Bhandarkar (Associate Prof.), Department of Mechanical Engineering	Jindal Power Ltd. (JPL), Tamnar
12	To improve the life of convener and reduction of wear in CHP belt convener	Dr. Mahesh Bhiwapurkar (Professor), Prof. L R Bhandarkar (Asst. Prof.), Department of Mechanical Engineering	Jindal Power Ltd. (JPL) Tamnar

13	Prediction and optimization technique for condenser vacuum in thermal Power plant	Dr. Siddharth S Chakrabarti, Professor, Dept. of Mechanical Engg.) Dr. Saroj Chandra, Asst. Prof., Dept. of CSE, Prof. L. R. Bhandarkar, Asst. Prof., Dept. of Mechanical Engg.) Prof. Akash Pandey, Asst. Prof., Dept. of Mechanical Engg.	Jindal Power Ltd. (JPL), Tamnar
14	Use of microwave for drying of wet coal fines	Department of Mechanical Engineering	NSPL, Raigarh
15	Productivity Improvement by Reducing the Section Change Time of the Rolling Mill at Nalwa Steel & Power Limited (NSPL), Raigarh.	Dr. Mukesh S Desai, Associate Professor, Department of Mechanical Engineering Dr. B. P. Panda, Professor, School of Management	JSPL, Raigarh

#### 9.1.15 Sponsored & Other Projects undertaken in 2023-24:

S. No.	Project Title	Name of the Faculty and Role	Funding Agency	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	Completed
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) and Phase II Submitted for approval)	Completed
4	Filing Machine Tool	Prof. Bhandarkar (PI)	UBA, IIT Delhi	0.25 Lakhs	Completed

## 9.2 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.

### 9.2.1 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:



### 9.2.2 List of Training conducted in the year 2023-24: (April 2023 to March-2024)

S. No	Name of Company	Title of the Training	Training Period	Conducted By	Days	Amount
1	JSP Raipur	Behavioural Based Safety	May 12, 2023	Dr Sanjay Singh	1	20,000
2	JSP Raipur	Contract Mgmt.	May 12, 2023	Mr. Shishir Dutta	1	20,000
3	JSP Raipur	Behavioural Based Safety	May 19, 2023	Dr Sanjay Singh	1	20,000
4	JSP Raigarh	Campus to Corporate	June 06, 2023	Dr Himanshu Vaishnav	1	16,000
5	JSP Angul	Campus to Corporate	July 6-7, 2023	Mr Soumitra Tiwari	2	40,000
6	JPL Tamnar	Vision Mission Core Value	July 7, 2023	Dr Seshadev Nayak	0.5	10,000
7	JPL Tamnar	One Thing, Extreme Ownership, Theory of Constraint	July 10, 2023	Dr Seshadev Nayak	1	15,000
8	JSP Angul	Project Management	August 1, 2023	Manoj Mishra	1	20,000
9	JSP Angul	Excel	August 2-3, 2023	Vishnu Tamrakar	2	40,000
10	JSP Angul	Finance for Non-Finance	August 4-5, 2023	Dr Gopal Rathore	2	40,000
11	JSP Raipur	Behavioural Based Safety	August 10, 2023	Dr Sanjay Singh	1	20,000



12	JSP Raipur	Behavioural Based Safety	August 11, 2023	Dr Sanjay Singh	1	20,000
13	JSP Raipur	Behavioural Based Safety	August 10, 2023	Dr Sanjay Singh	1	20,000
14	JSP Raipur	Behavioural Based Safety	August 11, 2023	Dr Sanjay Singh	1	20,000
15	JSP Raipur	Finance for Non Finance	Sep 15, 2023	Dr Gopal K Rathore	1	20,000
16	JPL Tamnar	Vision, Mission, Core Value,	Sep 16, 2023	Dr Seshadev Nayak	0.5	10,000
17	JPL Tamnar	One Thing	Sep 21, 2023	Dr Seshadev Nayak	0.5	10,000
18	JPL Tamnar	Capability Development Program	Oct 11-17, 2023	Dr Mahesh, Dr S.K Singh, Prof Manoj Mishra	05	75,000
19	JSP Raipur	Behavioural Based Safety	Oct 12, 2023	Dr Arindam Patra	01	20,000
20	JSP Raipur	Theory of Constraint	Oct 13, 2023	Dr Bhupendra Tripathy	01	20,000
21	JSP Raigarh	Capability Development Program	Oct 13-14, 2023	Dr Mahesh, Dr S.K Singh, Prof Manoj Mishra	2	70,000
22	JSP Raigarh	Design Thinking	Oct 30, 2023	Dr Seshadev Nayak	1	39,000
23	JSP Raigarh	Iron and Steel	Oct 31- Nov 1, 2023	Dr Phani, Dr GuruPrakash, Dr Neeraj, Dr Rajesh Jha	2	30,000
24	MSP Steel	Total Productive Management	Oct 30, 2023	Dr Ravindra Singh Saluja	0.5	6,000
25	JSP Raipur	Theory of Constraint	Nov 6, 2023	Dr Bhupendra Tripathy	1	20,000
26	JSP Raipur	Theory of Constraint	Nov 7, 2023	Dr Bhupendra Tripathy	1	20,000
27	JSP Raipur	Theory of Constraint	Dec 5, 2023	Dr Bhupendra Tripathy	1	20,000
28	JSP Raipur	POSH	Dec 6, 2023	Dr Vikas Kumar	01	20,000
29	JSP Raigarh	Vision, Mission, Core Value,	Feb 16, 2024	Dr Seshadev Nayak	1	15,000
30	JSP Raigarh	Coaching & Mentoring	Feb 20, 2024	Dr Seshadev Nayak	1	25,000
31	JSP Angul	Project Management	Mar 27, 2024	Dr. Manoj Mishra	1	20,000
32	JSP Angul	Finance for Non-Finance	Mar 28, 2024	Dr Gopal Krishna Rathore	1	20,000

**The Total revenue generated in the year 2023-24 (during April 2023 to March 2024) is 12,05,000.00**

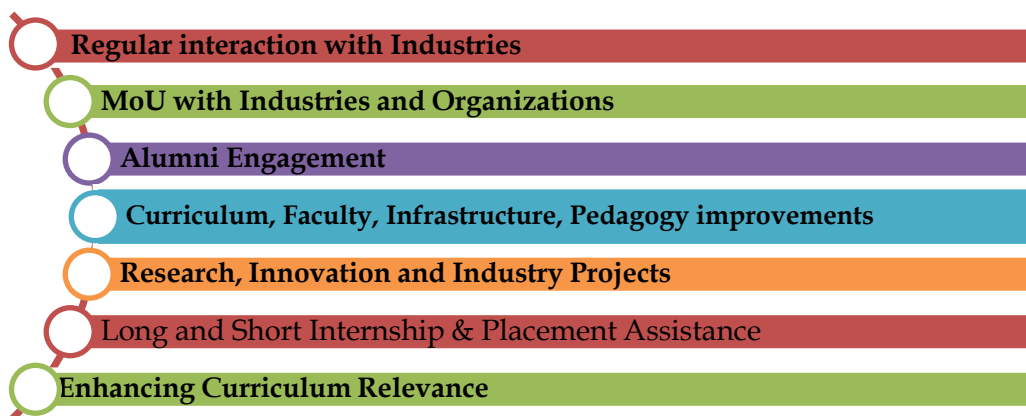
### 9.2.3 Glimpses of the CCET Program:



### 9.3 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.

#### 9.3.1 How CIAC contribute to Academic Excellence?



#### 9.3.2 Activities & Awards:

##### Best Industry Connect University



##### MoU with AWPM



##### Meeting on Industry-Aligned Curriculum



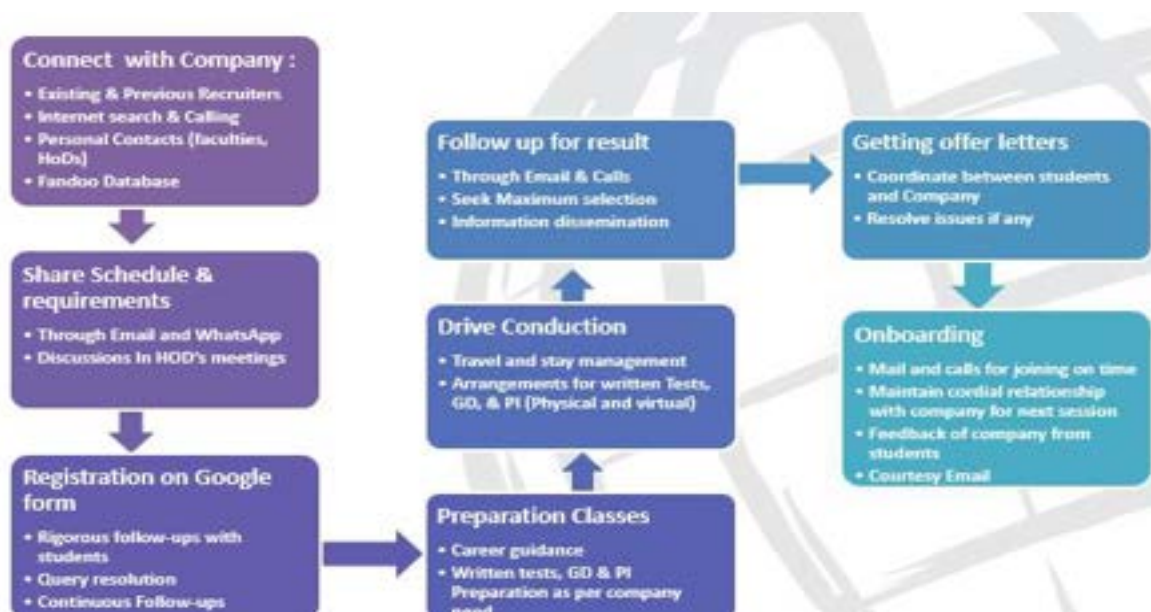
##### Collaborative Project with CSIR-IMMT



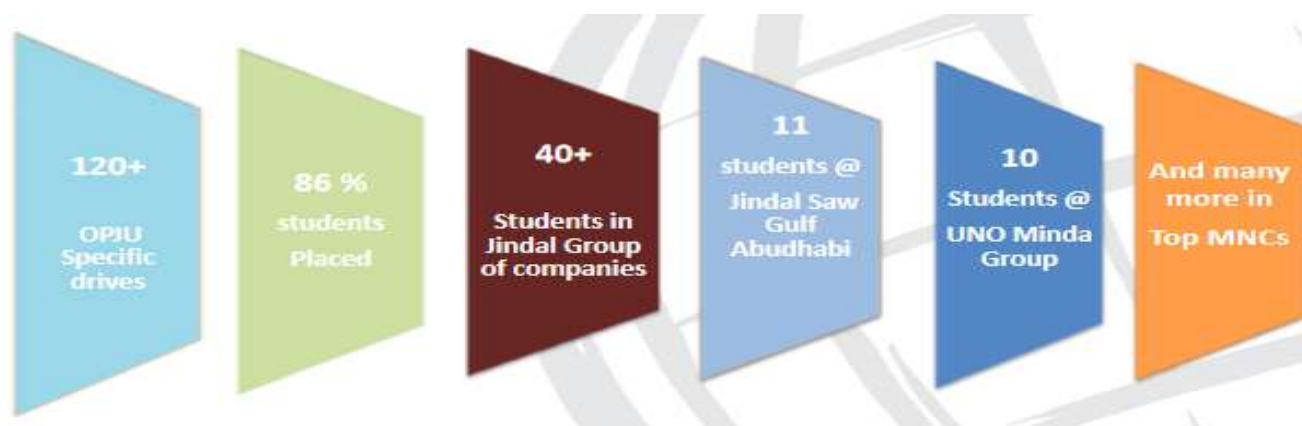
## 9.4 CAREER DEVELOPMENT CENTRE (CDC):

The Career Development Centre (CDC) of the O.P. 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 the University.

### 9.4.1 Placement Drive Process Flow



### 9.4.2 Placements Highlights in the year 2023-24:





### 9.4.3 Our prestigious recruiters:



### 9.4.5 Placement Snapshot:



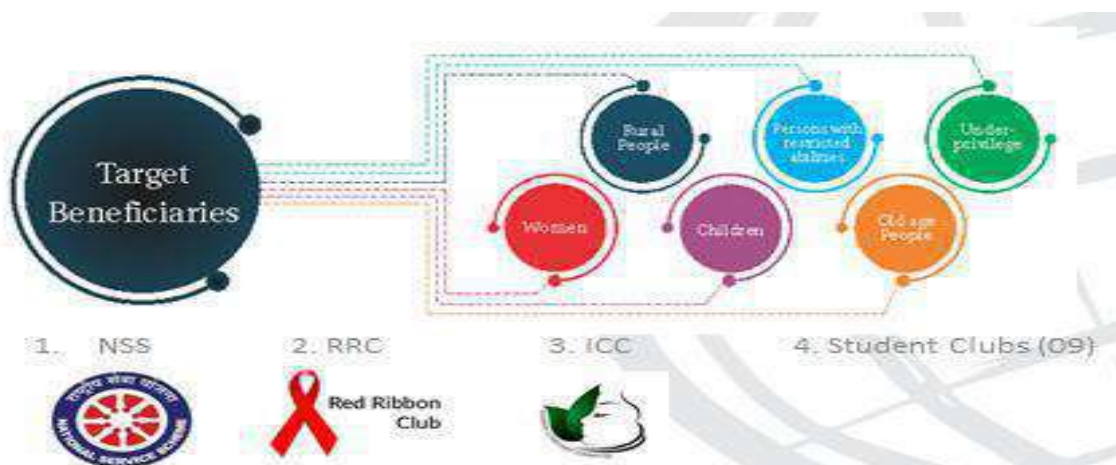


## 9.5 CENTRAL FOR SOCIAL EMPOWERMENT CELL (CSE):

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.

### 9.5.1 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.



Together with:



### 9.5.2 Village adopted by the University:

Sl. No.	Name of Village	District	Population (No.)	Name of Sarpanch
1	Tumidih	Raigarh	1350	Mr. Kartikeshwar Manjhi
2	Amlidih	Raigarh	870	Mrs. Mantoshi Rathia
3	Samaruma	Raigarh	700	Mr. Gangaprasad Dhoba
4	Tibhaudih (Charratangar)	Raigarh	255	Mrs. Bhuvaneshwari Rathia
5	Padkipahri	Raigarh	600	Mr. Ganga Prasad Dhoba



### 9.5.3 List of activities conducted in the year 2023-24:

S. No.	Programme/ Activity	No. of Activity
1	Workshop on Women's Health & Hygiene (at Tumidih, Samaruma, Chharratangar, Punjipathra)	16
2	Van Mahotsav and Plantation Drive (at OPJU, Chharratangar and Tumidih)	04
3	Clean campus/village/ school Drive & Swachchhata hi Sewa Abhiyan / Dengue Prevention, Save Soil & Nasha Mukti Campaign/ e-Waste Collection	14
4	Digital Skills Development Programme	03
5	Blood Donation Drive	02
6	Career Guidance, Shiksha Mitra, NSS Orientation Session & Books distribution, International Yoga Day	11
7	SVEEP Campaign (Voters Awareness Campaign)	03
8	Health Check-up Programme	01
9	Donation to Divyang Students at Netraheen Bal Vidya Mandir, Amlidih	18
10	Poster Making and Video Making Competition	04
11	Essay Writing, Critical Review Writing and Story Writing Competition	12
12	QUIZ on Indian Constitution and Bharat Ko Jaano	04
13	Speech, Report Presentation and Story Telling	05
	<b>Total</b>	<b>97</b>

### 9.5.4 Activities @ villages:





## 9.6 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.

### 9.6.1 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.

### 9.6.2 Equipment available in OPJU Innovation Centre:

**3D Printer**



**Laser Cutting Machine**



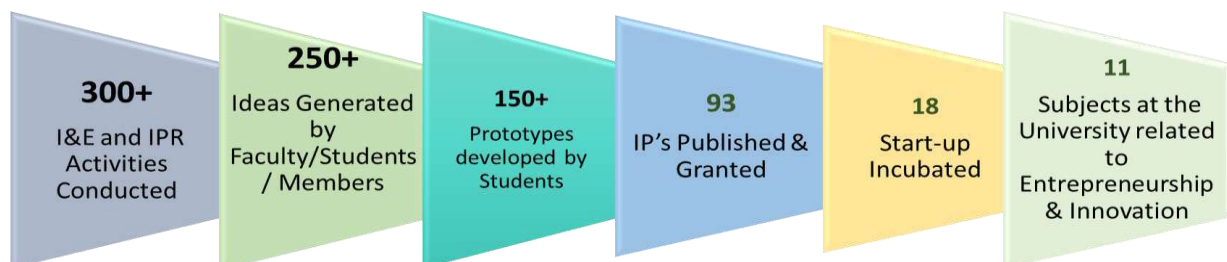
**CNC Router**



**PCB Marking and Engraving Machine**



### 9.6.3 Activities conducted in the year 2023-24:



#### 9.6.4 List of Incubated Start-ups:

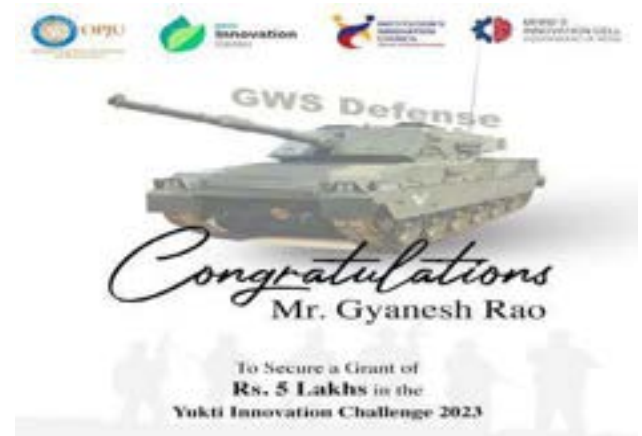
S. No.	Name of Start up	Theme	From	To
1	Alien Innovation Pvt Ltd	Robotics/Social Entrepreneurship	04.12.2022	04.12.2024
2	Arthashastra Intelligence Database Pvt Ltd	Finance sector	20.04.2023	20.04.2025
3	Erkey Motors Pvt Ltd	Electric Vehicle	31.03.2023	31.03.2025
4	AARUG (Shanti Anand Enterprises)	Women 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

#### 9.6.5 Grants received in the year 2023-24:

S. No.	Company/Team Name	Grant/Competition	Winner/Secured	Amount
1	Alien Innovations Pvt Ltd	Seed Money (OPJU-IC/JSP Foundation)	Pre-Incubation Support	1,00,000.00
2	Ayush Joshi & Purvesh Nishad (Team: INNOVATORS)	Yukti Innovation Challenge 2023-24 (MIC)	Seed Money	3,00,000.00
3	Chalbo India Pvt Ltd	NIDHI Prayash Grant	Seed Money	6,00,000.00
4	GWS Pvt Ltd	Yukti Innovation Challenge 2023-24	Seed Money	5,00,000.00
5	Essential Network	Smart India Hackathon 2023	Winner	1,00,000.00
6	Shanti Anand Enterprises	NIDHI ITBI	Ignition Grant	2,50,000.00
7	Sumit HealthTech Pvt Ltd	National Innovation Fest 3.0	Winner	70,000.00
8	Alien Innovations Pvt Ltd	MeitY Tide 2.0	Recognition/Grant	7,50,000.00
9	Erkey Motors Pvt Ltd	Start-up India Seed Money	Startup India Loan	20,00,000.00
10	Alien Innovations Pvt Ltd	LVPEI Startup Challenge	Runner Up	2,00,000.00
11	Erkey Motors Pvt Ltd	SSIP Government of Gujarat	Support Fund	2,00,000.00
12	AARUG (Vinita Patel)	Bison Cage, Govt of CG	Infrastructure and Funding Support	8,00,000.00
13	Team i-Fi	Technorollix23	Recognition	20,000.00
14	Alien Innovations Pvt Ltd	IndiaPreneur 12.0	Winner	50,000.00
15	Erkey Motors Pvt Ltd	National Innovation Fest	Winner	70,000.00
16	Alien Innovations Pvt Ltd	OPJU Innovation Center	Winner	70,000.00



### 9.6.6 Achievements by the Innovation Centre in the year 2023-24:



### 10. FDP/Conferences/Seminars/Workshops/STTP Conducted in 2023-24:

S. No.	Name of Department	Topic	Type (Workshops/Seminars/Webinars/Conference)	Date/Duration
1	Civil Engineering	Guest lecture on “Role of the blended cement in durability of concrete”	Webinars	29 August 2023
2		Two-day workshop on “Professional Practices in the Cement and Construction Industry”	Workshops	21- 22 September 2023
3		Five Day Online Faculty Development Programme (FDP): Title of the FDP: Sustainable Advances in Civil Engineering: Exploring Innovative and Contemporary Research Areas	FDP	1 - 5 April 2023
4		Guest lecture on connecting young civil engineering minds to newer and robust technology to mitigate RCC/PCC corrosion key to sustainable concrete structure	Guest Lecture	10 <sup>th</sup> May 2024
5		Five-Day Online Workshop on “Introduction to STAAD.Pro”	Workshops	15 <sup>th</sup> – 19 <sup>th</sup> July 2024
6		Nation Level Hackathon	–	26 June - 02 August 2024
7	Computer Science and Engineering	BLOCKCHAIN FOR INDUSTRY 4.0 Future Industrial Revolution in Decentralized Manufacturing	Faculty Development Program (FDP)	15 <sup>th</sup> -19 <sup>th</sup> Jan 2024
8		Android APP Development: From Idea to Play Store	Workshops	15 <sup>th</sup> -19 <sup>th</sup> April 2024
9		Prototype/ Process Design and Development	Workshops	22nd April 2024
10		Intellectual Property Rights (IIPRs) and IP Management for Start-Up	Workshops	30 <sup>th</sup> April 2024
11		Accelerating the Adoption of AI	Online Session	15 <sup>th</sup> June 2023
12		Converting Innovation into Start-up	Online Session	28 <sup>th</sup> August 2023
13		Continuing Software Education Program	Webinar	18 <sup>th</sup> September 2023
14		Cyber-Security Trends Threats and Career Perspective	Webinar	29 <sup>th</sup> September 2023
15		Data Processing & its associated challenges	Webinar	2 <sup>nd</sup> October 2023
16		Artificial Intelligence (Intel-FICE Batch 2023-27)	Workshop	4 <sup>th</sup> -8 <sup>th</sup> December 2023
17		High Performance Computing and Deep Learning	Workshops	22 <sup>nd</sup> -26 <sup>th</sup> April- 2024
18		Applied Edge Computing and Internet of Things	Workshops	29 <sup>th</sup> April – 3rd May- 2024
19		OPJU International Technology Conference (OTCON 3.0) on Smart Computing for Innovation and Advancement in Industry 4.0 during 5-7 June 2024.	International Conference	5 <sup>th</sup> -7 <sup>th</sup> June 2024
20	Electrical Engineering	Emission Control Strategies in Thermal Power Plants	Workshop	31st October 2023
21		National Energy Conservation Day	Seminar	14 <sup>th</sup> December 2023.

22	Electrical Engineering	“Awareness about Environmental Hazards of e-waste” by KARO SAMBHAV, speaker of the seminar was Mr. Omkar Ganu, senior specialist, KARO SAMBHAV via online mode.	Seminar	12 <sup>th</sup> January 2024
23		5-day hands-on training workshop for ITI Students, Gharghoda	Workshop	12 <sup>th</sup> - 16 <sup>th</sup> February 2024.
24		6-day Industrial visit to DCP (3 Days) and JPL Tamnaar (3 Days)	Industrial Visit	12 <sup>th</sup> to 19 <sup>th</sup> February 2024.
25		Expert talk series on the topic “Application of AI & Optimization in Power System “under the COE in Power Electronics and Power Systems	Seminar	23 <sup>rd</sup> February 2024.
26		NITTTR is an autonomous organization established by the Ministry of Education, Government of India, to improve the quality of technical education in the country. Remote centre of NITTTR Chandigarh was set up OPJU to facilitate training programs for teachers and professionals in the field of technical education. The Dept. of Electrical Engineering SoE with NITTTR organizing a STTP on “Big Data Analytics for Smart Grid”. The remote centre was co-ordinated by Dr Sushree Diptimayee Swain.	Workshop	3 <sup>rd</sup> March 2024
27		A hands-on training for the students of Agrasen ITI College, Raigarh on Basic Electronics, Soldering, Electrical Machines & Instruments, Basic Electrical Engineering, High Voltage Engineering, Industrial Visit to SSD & MRSS4 and NIF3.0 exhibition.	Workshop	11 <sup>th</sup> -15 <sup>th</sup> March 2024
28		Alumni Guest Lecture Series on; An overview of utilizing Artificial Intelligence for Electrical load demand forecasting & “ by Mrs. Rashmi Bareth (PhD Research Scholar, NIT Raipur)	Guest Lecture	16 <sup>th</sup> March 2024.
29		Expert session on “Techniques of Technical Writing-Publishing”, in lecturer series for research Seminar 2024	Seminar	12 <sup>th</sup> April 2024
30		GATE webinar.	Webinar	24 <sup>th</sup> April 2024.
31		Webinar on “Awareness Program on Environmental Risk Posed By E-Waste”	Webinar	30 <sup>th</sup> April 2024.
32		One-day of Hands-on Training on the “ Circuit Designing Workshop”	Training	30 <sup>th</sup> May 2024
33		Career Guidance in Core Sector After Diploma, ITI	Seminar	24 <sup>th</sup> June 2024
34		Digital poster competition on “Recent trends and advancement in Electrical Engineering”	Competition	8 <sup>th</sup> July 2024
35		Workshop on Emission Control Strategies in Thermal Power Plants	Workshop	31 <sup>st</sup> October 2023
36		National Energy Conservation Day	Seminar	14 <sup>th</sup> December 2023.
37	Mechanical Engineering	Drone Technology	Workshop	21 <sup>st</sup> – 23 <sup>rd</sup> August 2023
38		One-month Industrial Internship program sponsored by the Science & Engineering Research Board (SERB)	Internship	01 <sup>st</sup> - 31 <sup>st</sup> August 2023
39		Emission Control Strategies in Thermal Power Plants	IEEE Workshop	31 <sup>st</sup> October 2023



40	Mechanical Engineering	AutoCAD Skills	Workshop	12 <sup>th</sup> – 17 <sup>th</sup> October 2023
41		How to write an Email	Webinar	02 <sup>nd</sup> November 2023
42		CNC Training Program	Workshop	4 <sup>th</sup> to 8 <sup>th</sup> December 2023
43		Career navigation through innovation	Seminar	19 <sup>th</sup> February 2024
44		Handling Innovative models through Solid Works	Workshop	25 <sup>th</sup> February 2024
45		How to Prepare for Higher Education after B.Tech.	Webinar	10 <sup>th</sup> March 2024
46		Importance of organizational behavior and work ethics in the corporate world	Webinar	09 <sup>th</sup> March 2024
47		Universal Human value	Workshop	24 <sup>th</sup> – 28 <sup>th</sup> June 2024
48		AutoCAD Skills	Workshop	12 <sup>th</sup> to 19 <sup>th</sup> June 2024
49	Faculty of Science	Innovation and Startup Ecosystem Enabler by Mr. Ravi Sharma, Director Global Healthcare Survey, Founder & COE Asok Advisors, New Delhi	Webinar	26 <sup>th</sup> August 2023
50		Mental Wellbeing & Stress Management by Dr. Ashish Kumar Panda, Deputy Secretary, NITI Aayog, New Delhi, Govt. of India	Workshop	29 <sup>th</sup> August, 2023
51		The Entrepreneur within You: From Dreamer to Achiever by Mr. Swapnil D Topre, CEO & Founder, Migrow Group of Companies, Pune, Maharashtra	Webinar	31 <sup>st</sup> August 2023
52		on "Recent Trends in Mathematics & Technology" organized by, OPJU during	Webinar (Five-Day Online FDP)	9 <sup>th</sup> -13 <sup>th</sup> October, 2023
53		Sexual and Mental Harassment of Women at workplace: Legal Outlook by Dr Gagandeep Kaur, Associate Professor in Law, School of Law, UPES, Dehradun	Webinar	27 <sup>th</sup> October 2023
54		Artificial Intelligence and the Future of Science by Mr Shirish Panda, Scientist D (DRDO), Office of the Principal Scientific Advisor, Govt. of India	Webinar	4 <sup>th</sup> October 2023
55		Electronic Properties of Solids by Dr. Anar Singh, Assistant Professor- Physics, University of Lucknow, UP	Webinar	19 <sup>th</sup> October 2023
56		Solar Energy Technologies Opportunity and Challenges by Mr. Mayank Mishra, Solaris Technologies	Guest lecture	27 <sup>th</sup> October 2023
57		How to Write an Email? By Dr Arindam Patra, Assistant Professor, Humanities	Workshop	2 <sup>nd</sup> November 2023
58		English Communication by Dr Arindam Patra, Assistant Professor, Humanities	Workshop	4 <sup>th</sup> November, 2023
59		Green Approach for Sustainable Future by Dr. Anupama Gautam, Associate Professor, Department of Chemistry, Shri Venkateshwara University, Gajraula, UP	Guest lecture	14 <sup>th</sup> December 2023
60		Biodiversity: Study and Documentation with Reference to Field Study by Dr. Ramesh Kumar Tamboli, Head, Dept. of Zoology, Kirodimal Govt. Arts & Science College, Raigarh	Guest lecture	12 <sup>th</sup> January, 2024
61		Ethno Medicinal Plant and their Conservation by Prof. Jyoti Bhoj, Lecturer, Dept. of Botany, PG Govt. College Tamnar	Guest lecture	10 <sup>th</sup> January, 2024
62	Faculty of Science	The Impact of Climate Change on Plants by Dr. Sushma Patel, Assistant Professor, Dept. of Botany, PG Govt. College, Raigarh	Guest lecture	2 <sup>nd</sup> January, 2024



63		Modeling Aspects in Earth Science by Dr. Sanjeev Anand Sahu, Associate Professor, Department of Mathematics and Computing, IIT(ISM), Dhanbad	Guest lecture (online)	23 <sup>rd</sup> February, 2024
64		The Power of Positive Attitude in Professional Transformation” (Journey of a young woman from suburban roots to corporate heights) by Ms Sangita Mishra, H67ead of Inside Sales, Bahwan CyberTek, Dub68ai (UAE).	Webinar	12 <sup>th</sup> March 2024
65		X-ray Diffraction Techniques by Dr Arun Kumar Singh, Associate Professor, Department of Pure and applied Physics, GGV Bilaspur	Webinar	25 <sup>th</sup> April 2024
66		3rd Virtual International Conference on Innovation & Research in Science and Technology for Sustainable Development	Conference	30 <sup>th</sup> – 31 <sup>st</sup> May 2024
67	Faculty of Management Science	Angel Investment/ VC funding Opportunity for Early Stage Entrepreneurs	Workshop	24 <sup>th</sup> June 2023
68		Qualitative Data Analysis with NVivo	Workshop	14 <sup>th</sup> July 2023
69		Procure to Pay Process using ERP	Webinar	16 <sup>th</sup> July, 2023
70		Natural healing by meditation	Workshop	20 <sup>th</sup> July, 2023
71		From Data to Decisions: The Art of Crafting Research Questions in Business Analytics	Workshop	30 <sup>th</sup> July, 2023
72		Motivational Session on Entrepreneurial Journey	Webinar	21 <sup>st</sup> August, 2023
73		Lean Start-up & Minimum Viable Product/Services	Webinar	26 <sup>th</sup> August, 2023
74		Accelerators/Incubation opportunities for Students & Faculties- Early Stage Entrepreneurs	Webinar	22 <sup>nd</sup> August, 2023
75		Innovative Solutions to Research with SPSS	Workshop	9 <sup>th</sup> -13 <sup>th</sup> October, 2023
76		Innovation on Supply Chain Management in Agriculture Sector	Webinar	14 <sup>th</sup> October, 2023
77		The Role of Innovation, Entrepreneurship and Management for Sustainable Development	Conference	3 <sup>rd</sup> - 4 <sup>th</sup> November, 2024
78		The Future of Work-Life Balance: Innovative Trends & Practices Reshaping 2024	Workshop	18 <sup>th</sup> December, 2023
79		Model based Investing	Workshop	1 <sup>st</sup> January, 2024
80		Charting the Path from Student to Chartered Accountant: Insights from a Small Village Student's Experience	Webinar	22 <sup>nd</sup> February 2024
81		Tally Prime 4.0 for the Working Professionals	Workshop	24 <sup>th</sup> February 2024
82		Business Model Canvas	Workshop	14tg April, 2024
83		B2B Sales Strategy	Webinar	24 <sup>th</sup> April, 2024
84		PCR Mindset for Business Excellence	Webinar	8 <sup>th</sup> May 2024
85		Choosing a Career as Company Secretary	Workshop	28 <sup>th</sup> June 2024

## 11. MoUs & Collaborations:

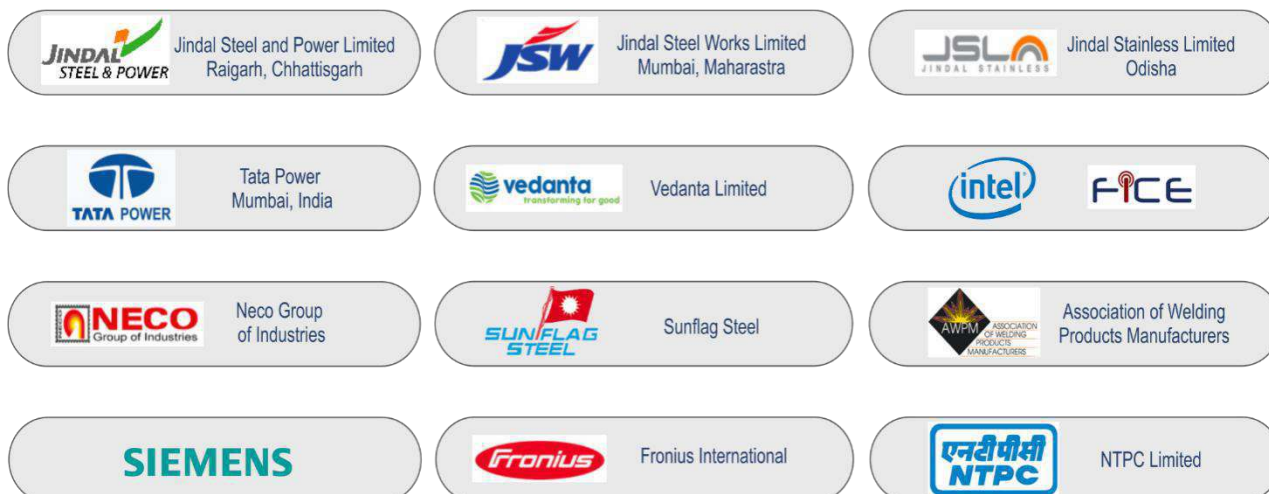
### 11.1 List of National MoUs/Collaboration in 2023-24

- Tata Motors
- Froyo Technology Private Limited
- Arka Jain University, Jharkhand
- MSP Steel & Power Ltd Jamgaon Raigarh
- Slurry Transportation lab , NIT, Jamshedpur
- IEEE Bombay Section
- FPT University, Hanoi Campus, Vietnam
- ICSI (Institute of Company Secretary India), Raipur Chapter
- Guru Ghasidas University, Bilaspur
- Sevalal Mahavidyalaya, Nagpur
- Sai Rajeswari Institute of Technology, Proddatur
- NTPC, Lara, Raigarh
- NIT, Jamshedpur
- Veer Surendra Sai University of Technology (VSSUT), Burla
- Sohar University, Oman
- Jose Maria College Foundation Inc., Philippines
- Ghana Institute of Management and Public Administration, Ghana
- University of Malta, Malta
- Metropolia University of Applied Sciences, Finland

### 11.1.2 Glimpses of International MoUs:



### 11.1.3 Industry Partners:



## 12. Activities conducted in the year 2023-24

- 12.1** Faculty of Science of O.P. Jindal University conducted was 2nd International Conference Innovation and Research in Science and Technology for Sustainable Development (IRSTSD-2.0) during 26-28 May 2023 in online mode. In this conference 309 abstract were received and 87 papers were presented and accepted.



- 12.2** OPJU organized the Alumni Meet 2023 on 15 July 2023 to promote a healthy relationship with its alumni who guide their fellow friends and remain in a bond with their faculty. This promotes a Life-long learning.



- 12.3** O.P. Jindal University conducted 3<sup>rd</sup> Convocation of the University on 9<sup>th</sup> August 2023. Total 522 students were received the degrees.





**12.4** Faculty of Management Science, OPJU, Raigarh, India, in association with Sohar University, Oman, and Jose Maria College, Philippines, hosted the 4th International Conference on “Role of Innovation, Entrepreneurship, and Management for Sustainable Development (ICRIEMSD-2023)” on 3 & 4 November, 2023 at Raipur, Chhattisgarh. The conference brought together academics, researchers, industry professionals, and stakeholders from around the world to share the new developments in the fields of Innovation, Entrepreneurship, and Management. In this conference total 276 papers received from 10 Countries and 165 papers were accepted and presented.



**12.5** OPJU got recognition as the Nodal Centre for conducting the reputed national level event Smart India Hackathon (Software Edition) on 1 December 2023 and successfully conducted it on 19 and 20 December 2023. 28 teams, 7 to 8 members each, participated in the event from across the country, who were judged by 10 evaluators to shortlist the best five.



**12.6** Department of Computer Science & Engineering successfully conducted the 6th International Conference on Information Systems and Management Science (ISMS 2023) jointly organized by OP Jindal University Raigarh, India and University of Malta, Malta at IIT Bhilai on 23-24 December 2023. In this event, Prof. Rajiv Prakash, Director of IIT Bhilai was the Chief Guest; Prof. Ram Kumar Kakani, Director, IIM Raipur, Dr. Pradeep Kumar Sinha, VC-IIIT, Naya Raipur, Prof. Anupam Shukla, Director SVNIT Surat, Dr. B.K. Sthapak, (Ex-Principal Director, OPJIT, Raigarh and Former Vice Chancellor, CSVTU Bhilai), Dr. Lalit Garg, University of Malta, Information & Comm. Tech., Malta were the Guests of Honor. Prof. Ing. Carl James Debono, Professor, ICT University of Malta and Prof. Brij Bhooshan



Gupta, Professor, Aisa University, Taiwan were the Keynote Speakers. In this conference 418 papers were received and 118 papers were accepted.



### 12.7 OPJU organized it's 5th Industry-Academia Conclave (IAC-2024) on Cultivating Curiosity:

Nurturing Innovation through Collaboration of Education and Industry from 15 to 16 March 2024, in association with Institutional Innovation Council (IIC), IEEE Industry Relation Committee, Association of Welding Product Manufacturers Association (AWPM), Indian Institute of Welding (IIW) Kolkata, CII Biomass Industry Association. The conclave was also coupled with National Innovation Fest 3.0 conducted in association with JSP Foundation and National Human Resource Development (NHRD). The events brought together more than 500 innovators and entrepreneurs from across 15 states and 3 union territories of India, showcasing their ground breaking Ideas, Prototypes, and Startups. Out of which 105 teams in Ideation, 80 teams in Prototype exhibition and 35 Startups founders have got selected and presented their work. The winning teams of the all 3 categories were –

- Waste to Wear, Saksham, I-FI and Trinity in Ideation Category.
- Team Aeroboats, Press Fit Fuse, NexrGen, Lemaleo, Flood Guard in Prototype Exhibition.
- Sumit Healthcare Pvt. Ltd.(Jivandeep), TM Krishiyug Innovative Pvt. Ltd., Shanti Anand Enterprises and Alien Innovation in Start-up Pitch.



**12.8.** OPJU organized its 13th National Level Annual Techno-Cultural Fest Technorollix 2024 and JUnoon - Celebrity-cum-DJ Night from 20 to 22 March 2024. The primary objective of Tech-Fest is to bring together dynamic, innovative and enterprising students from various Engineering, Management and Science institutions across the country on a common platform to showcase their talent and exchange ideas. The Annual Techno-Cultural Fest started on 20 March 2024 with an opening ceremony by Chief Guest Mr. Akhilesh Singh (Plan Head, NTPC Lara), OPJU and inaugural ceremony by Chief Guest Dr. Lalit Prakash Pateriya (Vice-Chancellor, Shaheed Nandkumar Patel Vishwavidyalaya, Raigarh) at OPJU Cricket ground. The valedictory ceremony was conducted on 22 March 2023 at OPJU Cricket Ground. The Chief Guest was Mr. S. S. Rath (Plant Head, Nalwa Steel & Power).



**12.9** OPJU is accredited with Grade “A” by NAAC (National Assessment and Accreditation Council). It is a pride for OPJU for being the first private university in the state of Chhattisgarh and in central India to receive an “A” grade in the first cycle of the NAAC accreditation process. -It is a testament to our unwavering commitment to excellence in higher education.





**12.10** Department of Computer Science and Engineering of O.P. Jindal University was conducted its 3<sup>rd</sup> IEEE OPJU International Technology Conference on Emerging Technologies for Sustainable Development (OTCON) during June 06- 07, 2024. In this conference 1200 papers were received from 10+ Countries and 302 papers were published in the renowned Journals.



### 13 Awards & Recognitions:

**13.1** The OBE Rankings 2023 recognizes the e-orts continuously undertaken by Institutions for achieving excellence in quality education, and implementation of the latest teaching-learning methodologies, including the outcome-based education models. Recently OPJU has participated in the OBE ranking 2023 and achieved Gold Band with A grade among 1000+ institutions.



**13.2** OPJU received The Most Promising Corporate Governed University in New Normal Education Summit 2023.



**13.3** OPJU received the IIRF-Education Impact Award-2023 for “Outstanding Private University for Research & Innovation” on 18th October 2023.



**13.4** O.P. Jindal University received AAA Rating, India’s Best Engineering Institutes 2023 by Career 360.



**13.5** School of Management got the outstanding achievement in the e Week- Hansa Research Survey Best B-School India Rankings 2023 held for around 3500 B-Schools and 20 IIMs of India with following accolades. All India Emerging B-Schools: 26 Rank East Zone Private B-Schools: 18 Rank East Zone B-Schools: 20 Rank, All India Private B-Schools: 152 Rank





**13.6** O.P. Jindal University achieved 1<sup>st</sup> Rank in the State, 5<sup>th</sup> Rank in the Zone and 47<sup>th</sup> Rank in India in India Institute Ranking Framework (IIRF)-2024 among the Private Institutions.



#### 14 Sports/Other Activities Conducted in 2023-24:

**14.1** Aug 29, 2023: National Sports Day was celebrated on 29th August by organizing a 5KM run for all the students, faculty & staff members under the banner of Fit India Movement (Hum fit to India Fit). Around 50 participants (Male & Female) were participated in the 5 km race. The race starts in front of the OPJU security office by flag off by the Sports team and end at the same point. The run starts at 4:15 PM and participants have to completed the 5 KM (four rounds) of the campus area. After completion of the race the first three winner awarded with Medals, Gift and Certificate and fourth and fifth position holder where awarded with certificate.



**14.2 Sep 12, 2023: A Fatatfat sports tournament** was organized for first-year students and the purpose of the tournament is to fresher students show their hidden talent in the field of sports and games and also interact with other students and socialize with them.



**14.3 Nov 8, 2024:** OPJU team have participated the East Zone Inter University Tournament organized under the aegis of Association of Indian Universities (AIU) New Delhi this year 2023-2024.



**14.4 Nov 28, 2024: Fit India Week Celebration-** an initiative of University Grand Commission (UGC), the Sports Authority of India (SAI), and Ministry of Youth Affairs has been introduced in all the Universities and colleges, affiliated to AICTE and UGC with the purpose of promoting health and fitness activities in all the Universities. In O P Jindal University, a plethora of activities has been organized to celebrate fit India week, as per the guidelines of UGC for the students of the University.



**14.5 Feb 12, 2024:** O P Jindal University organized the Jindal Premier League Tennis Ball Cricket Tournament in the IPL pattern for the students. The event showcased the remarkable sportsmanship and talent of the students and providing a platform for friendly competition and fostering a spirit of unity and friendship among the participants.

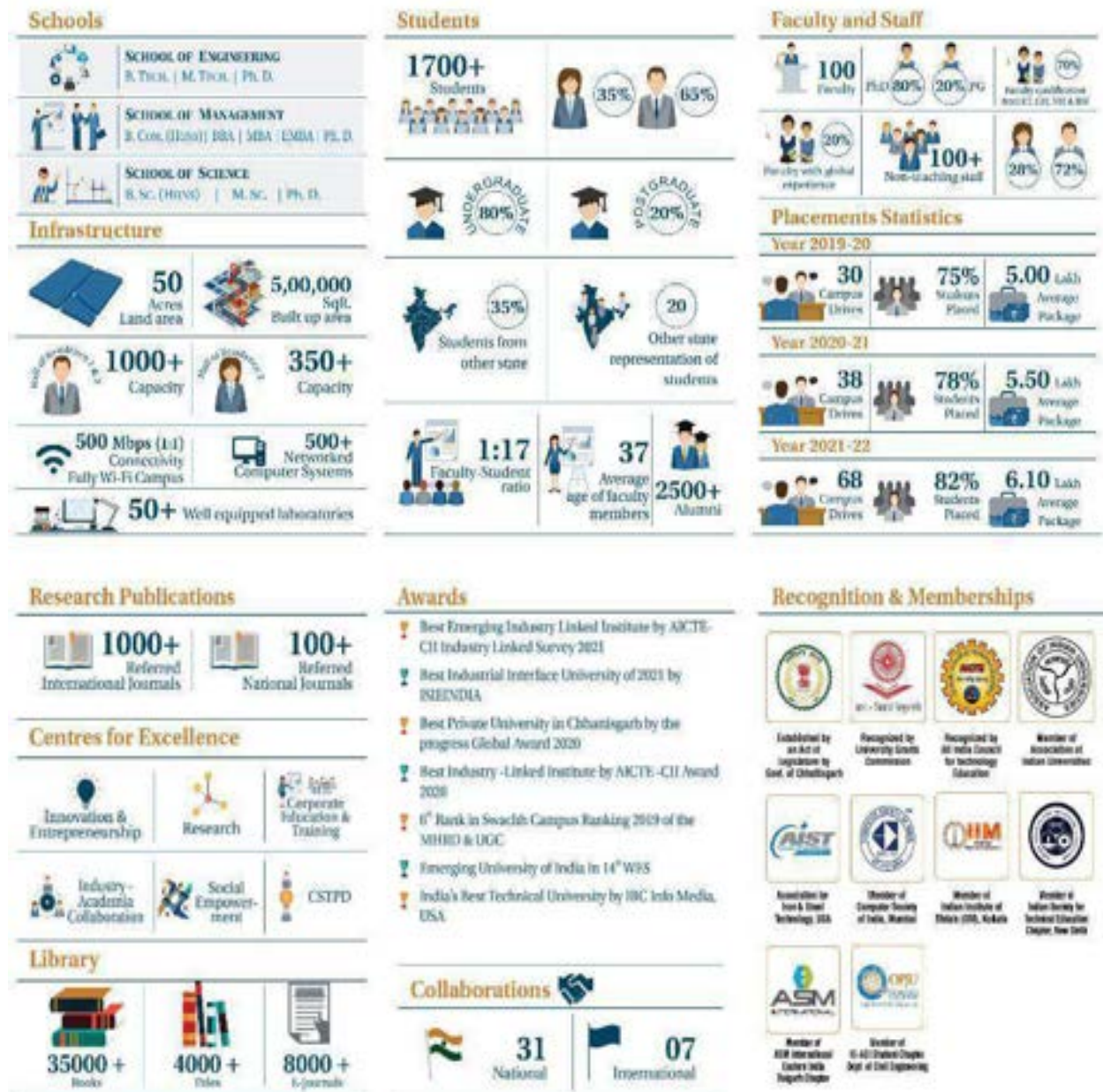


**14.6 March 5, 2024:** The Sports Department had organized an Open Badminton Tournament for teaching and non-teaching employees of the University. The purpose of the tournament was to boost their interest in sports, and fitness, creating a sporting environment among the employees which helps to increase the happiness index of the individual for a healthy lifestyle and to overcome the day-to-day stress of life. Sports and games play a very vital role in the overall development of the personality and keep the body and mind in healthy condition.





## 15. OPJU at a glance:



**O. P. Jindal University  
Raigarh (C.G.)**

**Audited Financial Statement  
Financial Year : 2023-24**

**REGISTERED OFFICE:**

O. P. Jindal Knowledge Park,  
Punjipathra, Raigarh

**STATUTORY AUDITORS:**

**R D N A AND CO LLP**  
Chartered Accountants  
205, 1st Floor , Samta Colony,  
Raipur-492001 (C.G.) India  
Ph:0771-2255744-45



**O. P. Jindal University**  
**Balance Sheet as at 31.03.2024**

Particulars	Schedule	As at 31st March, 2024	As at 31st March, 2023
<b>SOURCES OF FUND</b>			
(a) General Fund	" A "	4,47,50,401	3,17,74,108
(b) Corpus Fund	" B "	9,56,41,751	11,06,75,431
(c) Non Current Liability		-	-
(d) Current Liabilities	" C "	16,65,62,952	15,29,41,015
<b>Total(A)</b>		<b>30,69,55,104</b>	<b>29,53,90,554</b>
<b>APPLICATION OF FUNDS</b>			
(a) Property, Plant & Equipment			
- Tangible Assets	" D "	14,21,91,946	11,06,75,431
(b) Non- Current Assets	" E "	99,990	99,990
(c) Current Assets	" F "	13,35,45,265	11,89,69,258
(d) Cash And Cash Equivalent	" G "	3,11,17,903	6,56,45,875
<b>Total(B)</b>		<b>30,69,55,104</b>	<b>29,53,90,554</b>

Accounting Policies and Notes to Accounts

" P "

For, O. P. Jindal University

As per our attached report,

For, R D N A AND CO LLP

Chartered Accountants


F.R. No. : 004435C/C400033

  
(Dr. R. D. Patidar )  
Vice Chancellor

  
(Anurag Vijaywargiya)  
Registrar

  
(Siddhant Chaturvedi)  
Deputy CFAO



  
Sunil Dwivedi  
Partner  
Membership No. :427775

Place: Raipur

Date: 25/09/2024

O. P. Jindal University  
Income And Expenditure Account For The Period Ended On 31.03.2024

Particulars	Schedule	For the Year ended 31st March, 2024	For the Year ended 31st March, 2023
<b>Income</b>			
Income from Fees	" H "	21,27,14,384	20,03,79,465
Income from Bus and Mess Service	" H1 "	4,86,70,243	3,74,98,142
Interest Income	" I "	11,80,291	9,97,075
Other Income	" J "	5,75,04,761	3,72,34,051
<b>Total(A)</b>		<b>32,00,69,679</b>	<b>27,61,08,733</b>
<b>Expenditure for Establishment and Administration</b>			
Employee Benefit Expenses	" K "	18,25,07,320	14,96,29,286
Depreciation		-	-
Marketing Expense	" L "	1,00,10,115	62,39,872
Finance Cost	" M "	1,39,274	24,433
Administration Expense	" N "	1,92,16,598	1,43,42,476
Other Operating Expenses	" O "	8,50,99,479	7,05,73,898
Scholarship Expense		1,01,20,600	1,16,78,000
<b>Total(B)</b>		<b>30,70,93,386</b>	<b>25,24,87,965</b>
Excess Income Over Expenditure		1,29,76,293	2,36,20,769
Balance Carried To Balance Sheet		1,29,76,293	2,36,20,769

Accounting Policies and Notes to Accounts

For, O. P. Jindal University

(Dr. R. D. Patidar)  
Vice Chancellor

(Anurag Vijaywargiya)  
Registrar

(Siddhant Chaturvedi)  
Deputy CFAO

As per our attached report,  
For, R D N A AND CO LLP  
Chartered Accountants  
No. : 004435C/C400033



Sunil Dwivedi  
Partner  
Membership No. :427775

Place: Raipur

Date: 25/09/2024

O. P. Jindal University  
Schedules Annexed to and forming part of the Balance Sheet as at 31.03.2024

Particular	Amount (Rs)	Amount (Rs)
<b>Annexure " A " General Fund</b>	<b>As on 31.03.2024</b>	<b>As on 31.03.2023</b>
<b>General Fund</b>		
Opening Balance	3,17,74,108	81,53,338
Add: Excess Income over Expenditure	1,29,76,293	2,36,28,770
<b>Closing Balance</b>	<b>4,47,50,401</b>	<b>3,17,74,108</b>
<b>Annexure " B " Corpus Fund</b>	<b>As on 31.03.2024</b>	<b>As on 31.03.2023</b>
Opening Balance	11,06,75,431	5,83,35,543
Add: Received During The Year	1,50,00,000	7,41,17,000
Less: Depreciation charged during the year	(3,00,33,680)	(2,17,77,112)
<b>Closing Balance</b>	<b>9,56,41,751</b>	<b>11,06,75,431</b>
<b>Annexure " C " Current Liabilities</b>	<b>As on 31.03.2024</b>	<b>As on 31.03.2023</b>
Sundry Creditors	2,32,24,967	1,44,17,894
Deposits	3,66,710	2,56,166
Advance Fees Received	4,40,93,109	4,78,67,863
Other Current Liabilities	6,31,02,633	5,24,47,725
Statutory Dues Payables	23,56,970	16,03,146
Expense Payable	3,26,18,562	3,63,48,221
<b>Total</b>	<b>16,65,62,952</b>	<b>15,29,41,015</b>
<b>Annexure " E " Non Current Assets</b>	<b>As on 31.03.2024</b>	<b>As on 31.03.2023</b>
Investments (ACIC-OPJU Innovation Center)	99,990	99,990
<b>Total</b>	<b>99,990</b>	<b>99,990</b>
<b>Annexure " F " Current Assets</b>	<b>As on 31.03.2024</b>	<b>As on 31.03.2023</b>
Loans & Advances	1,27,357	17,924
Other Receivable	2,17,81,118	42,92,920
Fee Receivable	8,94,51,086	8,68,28,958
Advance to Supplier	38,87,202	75,63,920
Prepaid Expenses	12,68,219	38,50,010
Deposits	12,16,355	9,49,000
Other Current Asset	1,50,21,923	1,55,90,994
TCS Receivable	6,841	21,775
TDS Receivable	4,39,657	6,53,757
Income Tax Refundable	3,45,506	-
<b>Total</b>	<b>13,35,45,265</b>	<b>11,89,69,258</b>
<b>Annexure " G " Cash And Cash Equivalent</b>	<b>As on 31.03.2024</b>	<b>As on 31.03.2023</b>
Cash-in-Hand	6,415	599
Balance with RDPC	1,21,87,016	1,56,52,712
Balance with PNB	45,49,765	45,05,908
Balance with SBI	1,43,74,707	4,54,86,656
<b>Total</b>	<b>3,11,17,903</b>	<b>6,56,45,875</b>
<b>Annexure " H " Income from Fees</b>	<b>For the year ended 31.03.2024</b>	<b>For the year ended 31.03.2023</b>
Admission Fees	96,72,459	58,40,000
Registration Fees	5,508	38,750
College Fees	20,38,36,425	19,45,80,715
<b>Total</b>	<b>21,27,14,384</b>	<b>20,03,79,465</b>
<b>Annexure " H1 " Income from Bus and Mess Service</b>	<b>For the year ended 31.03.2024</b>	<b>For the year ended 31.03.2023</b>
Bus Fees	1,36,67,427	1,08,74,950
Mess Charges	3,50,02,816	2,66,23,192
<b>Total</b>	<b>4,86,70,243</b>	<b>3,74,98,142</b>
<b>Annexure " I " Interest Income</b>	<b>For the year ended 31.03.2024</b>	<b>For the year ended 31.03.2023</b>
Bank Interest	11,65,167	9,92,038
Interest on IT Refund	15,124	5,037
<b>Total</b>	<b>11,80,291</b>	<b>9,97,075</b>





## Annexure " D " Property Plant And Equipment

Depreciation charged during the year as per Income Tax Act '1961 for the year ended as on 31.03.2024

Particulars	Rate of Dep.(%)	Cost as on 01.04.2023	Additions		Deductions	TOTAL	Depreciation during the year	Closing balance as on 31.03.2024
			More than 180 days	Less than 180 days				
Building	10.00%	1,07,15,255	51,80,614	47,09,122	-	2,06,04,991	18,25,043	1,87,79,948
Air Conditioner	10.00%	51,73,302	22,76,686	5,16,799	-	79,66,788	7,70,839	71,95,949
Library Books & Periodicals	40.00%	15,35,668	3,60,504	10,62,666	-	29,58,838	9,71,002	19,87,836
Furniture & Fittings	10.00%	1,92,52,894	1,42,37,606	64,29,629	-	3,99,20,129	36,70,531	3,62,49,598
Computers	40.00%	3,14,87,945	3,01,226	1,05,47,864	-	4,23,37,035	1,48,25,241	2,75,11,794
Equipments	15.00%	3,90,56,215	53,32,110	1,01,41,299	-	5,45,29,624	74,18,846	4,71,10,778
Motor Vehicles	15.00%	3,61,927	-	3,99,120	-	7,61,047	84,223	6,76,824
Gym Equipments	15.00%	30,92,226	-	54,949	-	31,47,175	4,67,955	26,79,220
<b>Total</b>		<b>11,06,75,431</b>	<b>2,76,88,747</b>	<b>3,38,61,448</b>	<b>-</b>	<b>17,22,25,626</b>	<b>3,00,33,680</b>	<b>14,21,91,946</b>





	For the year ended 31.03.2024	For the year ended 31.03.2023
<b>Annexure " J " Other Income</b>		
Sale of Scrap	1,86,798	-
Fine	12,68,079	17,36,551
Donation	5,00,00,000	3,06,19,743
Student Misc. Fee	35,31,156	9,22,804
Other Misc.	25,18,728	39,54,954
<b>Total</b>	<b>5,75,04,761</b>	<b>3,72,34,051</b>

	For the year ended 31.03.2024	For the year ended 31.03.2023
<b>Annexure " K " Employee Benefit Expense</b>		
Salary & Remuneration	16,61,13,488	13,72,09,970
Provident Fund	82,54,345	69,31,699
ESIC	1,17,148	1,20,723
Staff Welfare	68,04,094	43,89,494
Incentive Publication	12,18,245	9,77,400
<b>Total</b>	<b>18,25,07,320</b>	<b>14,96,29,286</b>

	For the year ended 31.03.2024	For the year ended 31.03.2023
<b>Annexure " L " Marketing Expense</b>		
Marketing Expense	76,44,526	46,03,994
Advertisement Expense	23,65,589	16,35,878
<b>Total</b>	<b>1,00,10,115</b>	<b>62,39,872</b>

	For the year ended 31.03.2024	For the year ended 31.03.2023
<b>Annexure " M " Finance Cost</b>		
Bank Charges	1,39,274	24,433
<b>Total</b>	<b>1,39,274</b>	<b>24,433</b>

	For the year ended 31.03.2024	For the year ended 31.03.2023
<b>Annexure " N " Administration Expense</b>		
Statutory Audit Fee	88,500	37,000
Environment Audit Fees	40,000	-
Cultural Expenses	16,11,846	23,73,882
Donation	-	2,03,000
Office Expenses	10,60,268	5,24,921
Insurance Premium	73,065	73,705
Travelling Expense	15,91,705	8,64,010
Misc. Expenses	42,00,502	26,71,718
Consultancy Fee	45,55,574	10,90,916
Training Fees	7,82,227	28,30,007
Subscription Charges	20,70,347	15,24,803
Processing Fee	31,42,564	21,48,514
<b>Total</b>	<b>1,92,16,598</b>	<b>1,43,42,476</b>

	For the year ended 31.03.2024	For the year ended 31.03.2023
<b>Annexure " O " Other Operating Expenses</b>		
AMC Charges	19,63,130	21,39,538
Garden Maintenance & Horticulture	25,62,019	20,73,947
General Repair & Maintenance	32,59,224	53,21,971
Hospitality Expenses	14,00,224	10,34,734
Housekeeping Expenses	1,33,47,967	1,17,60,921
Internet Leased Port	32,25,968	19,88,300
Lab Consumables	4,53,531	10,11,530
Mess Expenses	2,59,77,984	1,86,35,066
Pest Control Exp.	4,09,460	3,68,160
Power & Electricity	84,44,798	71,34,167
Printing & Stationery	26,57,863	10,56,747
Security Services	57,46,839	55,87,743
Vehicle Running & Maintenance	1,56,50,473	1,24,61,074
<b>Total</b>	<b>8,50,99,479</b>	<b>7,05,73,898</b>



Schedule forming part of and annexed to the Balance Sheet as at and Receipt & Payment account for the period ended 31st March, 2024

### Schedule "P" : Accounting Policies And Notes To Accounts

#### Society Information :

The society O. P. Jindal University is registered under Society Registration Act, 1860.

#### A. Significant Accounting Policies

##### 1. Basis of preparation of Financial Statements

The financial statements have been prepared under the historical cost convention in accordance with the generally accepted accounting principles in India.

##### 2 Depreciation

Depreciation has been Provided on Written Down Value Basis as per rates & manner prescribed in Income Tax Act' 1961.

##### 3 Recognition of Income and Expenditure

Accrual method of accounting has been employed unless otherwise specifically stated elsewhere in this Schedule.

##### 4 Contingent Liabilities

Contingent liabilities are generally not provided for in the accounts and are separately disclosed in the financial statements.

#### B. Notes on Accounts

1. In the opinion of the management, there is no such events occurred after the date of Balance Sheet of material value which needs disclosure in the accounts.

2. Figures have been rounded off to the nearest Rupee.

3. Previous Year's figures are rearranged , reclassified and regrouped wherever necessary.

For, O. P. Jindal University

As per our report of even date attached.

For, R D N A AND CO LLP

Chartered Accountants

Registration No. 004435C/C400033



(Dr. R. D. Patidar)

Vice Chancellor



(Anurag Vijaywargiya)

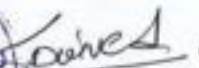
Registrar



(Siddhant Chaturvedi)

Deputy CFAO





Sunil Dwivedi

Partner

Membership No.: 427775

Place: Raipur

Date: 25/09/2024