



OPJU



NEWSLETTER 2025

Department of
Computer Science and Engineering

Volume: III Issue: I



Message from **Vice Chancellor** **Prof. (Dr.) R. D. Patidar**



Welcome to the latest edition of newsletter “**Pragyan**” crafted by the dynamic minds within our Computer Science and Engineering Department. As Vice Chancellor, I extend my heartfelt congratulations to all involved in this wonderful endeavour. Our CSE department stands as a beacon of knowledge, innovation, and progress in the ever-evolving landscape of technology. We offer comprehensive UG, PG and PhD programs that epitomize our commitment to excellence in education, research, and industry collaboration. Our goal is still the same: to develop curious minds, spark creativity, and provide our students the tools they need to succeed in the digital age.

A hallmark of our CSE department is its remarkable adaptability and ability to stay ahead of technological advancements. From AI to cybersecurity, software engineering to data science, we remain at the forefront of transformative fields. Our distinguished faculty, spanning diverse domains, are not just educators but enablers of lifelong learning, instilling not only knowledge but a fervor for exploration. Our students are a wellspring of inspiration, demonstrated by their involvement in hackathons, research endeavors, and community-driven projects. Their commitment to using technology to effect positive change is a testament to our shared mission.

I encourage you all to continue pursuing excellence, collaborate on interdisciplinary projects and adopt cutting-edge technologies. I am excited to witness the ongoing growth and success of our Computer Science and Engineering Department. In closing, the future of the CSE department is exceptionally promising, and our collective contributions to the world of technology are poised to be extraordinary. Together, let's keep pursuing brilliance and unending innovation to reach new heights.

I congratulate the editorial team and wish them success.



Message from Dean & Head CSE



It is with great pride and enthusiasm that I introduce **Volume III, Issue-I** of our half-yearly newsletter, “PRAGYAN”, representing the dynamic spirit of the Department of Computer Science and Engineering at OP Jindal University.

Our department remains at the forefront of academic and research advancements in Computer Science and interdisciplinary domains. Equipped with state-of-the-art laboratories, cutting-edge software, modern hardware, and advanced machinery, we are dedicated to delivering high-quality education and fostering innovation. Our faculty members consistently contribute to the academic and professional community through publications in prestigious journals and conferences, as well as consultancy and collaborative projects.

This newsletter offers a glimpse into the department's vibrant ecosystem of activities and accomplishments from January to June 2025. It captures the essence of key events such as workshops, hackathons, faculty development programs (FDPs), conferences, publications, patent filings, and Memorandums of Understanding (MoUs). Additionally, this issue features highlights of innovative research and exciting updates that underscore our unwavering commitment to excellence and progress.

I take this opportunity to extend my heartfelt appreciation to our dedicated faculty, enthusiastic students, and supportive technical and administrative staff, whose collective efforts make our department a beacon of excellence. Special thanks to the editorial team and contributors for their hard work and creativity in bringing this edition to life.

Your feedback and suggestions are always welcome, as they inspire us to improve and innovate. I hope you enjoy reading this newsletter as much as we have enjoyed creating it.

Warm regards,
Prof. (Dr.) Ashish K Sharma
Dean & Head - CSE
Department of Computer Science and Engineering
O. P. Jindal University



Message from **Editor's Desk** Prof. (Dr.) Amit Jain



Warm greetings to all readers of the Pragyan Newsletter!

I am delighted to present the half-yearly edition of Pragyan, a publication that offers a vibrant insight into the ever-evolving world of the Department of Computer Science and Engineering. This newsletter is more than just an update—it's a celebration of knowledge, innovation, and the collaborative spirit of our faculty and students.

Pragyan serves as a dynamic platform to showcase the creative ideas, research accomplishments, and technical expertise within our department. It is designed to keep you informed and inspired, while also highlighting the various academic and co-curricular milestones achieved over the past six months.

In this edition, covering January to June 2025, we bring to you key highlights from departmental activities such as workshops, faculty development programs (FDPs), national and international conferences, impactful publications, patent and IPR achievements, and strategic Memoranda of Understanding (MoUs). Each section reflects our department's commitment to fostering academic excellence, research innovation, and industry collaboration.

The newsletter also features a snapshot of outstanding contributions made by our faculty and students, underscoring their dedication to continuous learning and advancement in the field of Computer Science and Engineering.

I would like to express my heartfelt appreciation to the editorial team and all contributors whose hard work and enthusiasm have brought this issue to life. Your support and feedback are vital to our growth, and we look forward to making each edition better than the last.

We hope you enjoy reading this issue as much as we enjoyed putting it together. Please feel free to share your thoughts and suggestions for future editions.

About the Department of Computer Science & Engineering

The Department of Computer Science and Engineering at OP Jindal University imparts quality education at the undergraduate and postgraduate levels with emphasis on basic computing principles, rapidly evolving technology, and the continuous need for innovation in this field. To ensure that students are sought by IT companies, the department provides training in various cutting-edge technologies, inculcates professional behaviour, instils ethical values and develops leadership and teamwork capabilities. Our program provides a flexible curriculum, enabling the students to achieve their goals and make them industry-ready.

The department has experienced and energetic faculty with specialization in different areas like Computer networks, Embedded Technology, IoT, Artificial Intelligence, Machine Learning, Data Mining, Blockchain, etc. The Department has state-of-the-art laboratories, the latest hardware-software and teaching learning tools to create a learning environment and impart quality education.

Courses

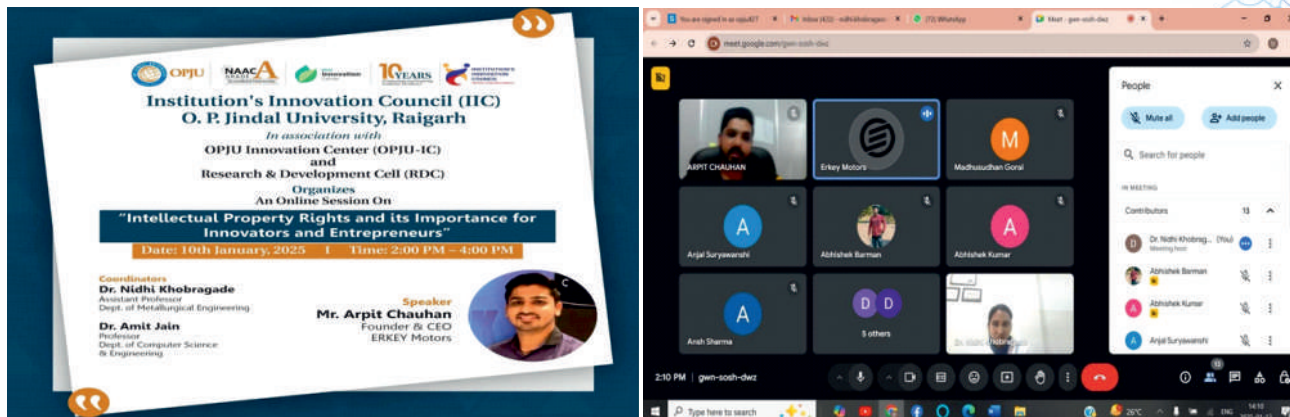
- B.Tech in Computer Science & Engineering
- M.Tech in Computer Science & Engineering
- Ph.D in Computer Science & Engineering

Highlights of the Department

- State-of-the-Art Computer Labs
- Industry-Oriented Curriculum
- Media Technology Center
- Highly Qualified and Experienced Faculty
- Outcome-based Learning
- Emphasis on Soft Skills Development
- High Tech Classrooms with Smart Boards

Events & Activities Corner

- OPJU Innovation Center and the Research and Development Cell organized an insightful online session on "Intellectual Property Rights and its Importance for Innovators and Entrepreneurs" on January 10, 2025. The session was conducted by **Mr. Arpit Chauhan, Founder & CEO of ERKEY Motors**, who shared his expertise on the critical role of intellectual property rights in driving innovation and supporting entrepreneurship. His talk emphasized how protecting intellectual property can empower innovators and startups to sustain and scale their ideas in a competitive market.



OTCON 4.0

- The Department of Computer Science & Engineering at OPJU hosted the **4th International Technology Conference (4.0) on Smart Computing for Innovation & Advancement in Industry 5.0** from April 9-11, 2025. The three-day event served as a dynamic platform for insightful keynote sessions, impactful discussions, and collaborative knowledge exchange, all aimed at shaping the future of **Industry 5.0** through smart and emerging technologies.

The conference attracted **over 1800 paper submissions** from researchers and scholars across the globe. Out of these, **437 high-quality papers** were selected and presented during the event. All selected papers **published in IEEE Xplore**, marking a significant academic contribution and recognition.



Inauguration of Computer Lab.

- The Department of Computer Science & Engineering are proud to announce the inauguration of a **state-of-the-art lab facility** dedicated to fostering innovation, research, and hands-on learning at OPJU. On **April 9, 2025**, **Dr. Lawrence Schell**, President of the New England Commission of Higher Education (NECHE), inaugurated two advanced computer labs under the Department of Computer Science & Engineering:

- Android & Java Lab
- DBMS & Data Mining & Warehousing (DMW) Lab

These labs are equipped with modern infrastructure aimed at empowering students and researchers with practical skills and cutting-edge tools in the domains of software development, database technologies, and data analytics.



Memorandum of Understanding (MoU)

■ A Memorandum of Understanding (MoU) was signed between O P Jindal University (OPJU) and the National Institute of Technology (NIT) Raipur, marking the beginning of a promising partnership focused on faculty exchange, student exchange, and collaborative research activities.

This MoU aims to strengthen academic ties, promote mutual learning, and facilitate joint initiatives that enhance the quality of education and research at both institutions.



Parent Teacher Meet

■ The Department of Computer Science and Engineering actively participated in the **University-wide Parents Summit held on 18th April 2025**. The event provided a valuable platform for strengthening connections between the institution and the families of our students.

Faculty members from the department engaged in one-on-one interactions with parents, sharing insights into the academic curriculum, industry collaborations, student performance, and the various research and innovation opportunities available. The session also highlighted student support systems, placement initiatives, and co-curricular activities that contribute to holistic development.



■ The Department of Computer Science & Engineering organized a **one-day On-the-Job Training (OJT)** program on **March 12, 2025**, which included **lab visits** and a **guest lecture** covering key topics such as **MS Office, Hardware Fundamentals, and Python Programming**.

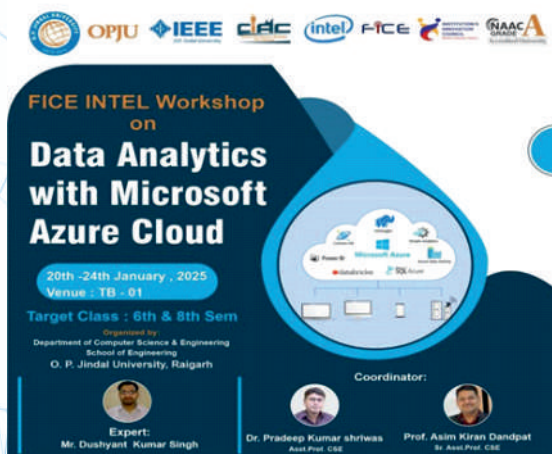
A total of **51 students** from **OPJCC ITI** actively participated in the session. The interactive format and practical demonstrations made it a highly productive and engaging learning experience, bridging the gap between theoretical knowledge and real-world applications.



Workshop

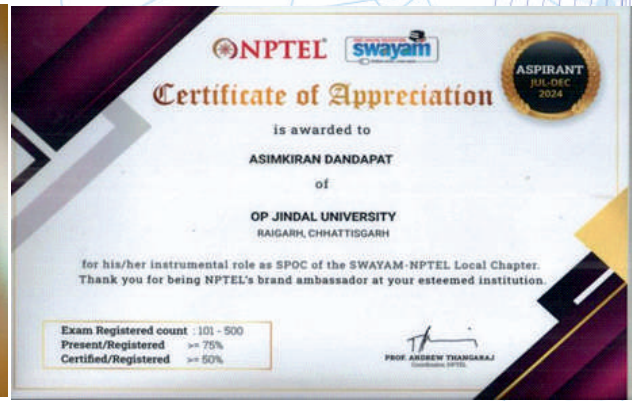
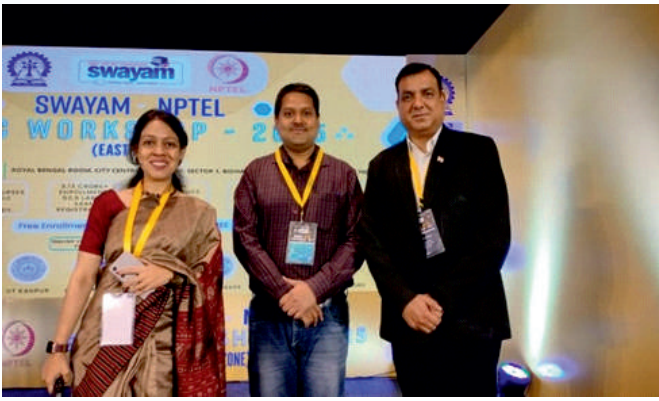
■ The Department of Computer Science & Engineering, in collaboration with **Intel FICE**, Conducted a **5-day workshop** on **“Data Analytics with Microsoft Azure Cloud”** from **January 20–24, 2025**. The workshop was specifically designed for **3rd and 4th year students** of the CSE branch.

Participants gained valuable insights into the practical applications of data analytics in a cloud environment, with a strong focus on hands-on learning. The sessions equipped students with skills in Azure-based analytics tools, enhancing their ability to perform data-driven decision-making using industry-standard cloud platforms. This initiative significantly contributed to bridging the gap between academic knowledge and industry-ready skills.



■ **Prof. Asimkiran Dandapat** from the Department of Computer Science & Engineering represented O.P. Jindal University at a prestigious **SWAYAM-NPTEL** workshop held on **March 2, 2025**, in **Kolkata**.

The workshop was **jointly organized** by **IIT Kharagpur** and **IIT Madras** and focused on enhancing faculty engagement and institutional participation in the **SWAYAM-NPTEL** online learning platform. Prof. Dandapat's participation reflects OPJU's continued commitment to academic excellence and digital learning initiatives.



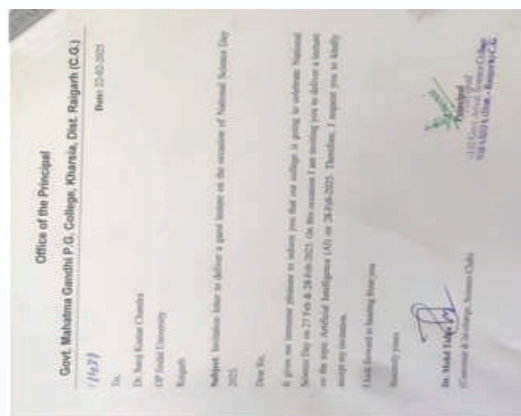
Expert Session

■ An expert talk on “Application of AI” was held at Jharsuguda Engineering School on March 7, 2025. Delivered by Dr. Rakesh Nayak and Prof. Jitendra Kumar Gardia, the session explored AI fundamentals and its real-world applications across industries.

Around 90 students from various branches participated, gaining valuable insights and showing enthusiastic engagement, making the session a grand success.



■ On National Science Day 2025, Dr. Saroj Kumar Chandra, an AI expert, delivered a guest lecture exploring the basics, applications, and future potential of Artificial Intelligence across sectors like healthcare, finance, and transportation. He also addressed ethical challenges and implications of AI technologies. The session concluded with an engaging Q&A, offering participants valuable insights into the transformative power of AI.



University alumnus Mr. Sujeet Soni delivered an inspiring talk, “AI Is Changing Everything! What to Learn, How to Prepare, and What Do Companies Want?” The session drew a vibrant audience of professionals, alumni, and students eager to grasp AI's sweeping influence on industries, careers, and the workplace of tomorrow. The event proved a resounding success, offering clear guidance on essential skills, preparation strategies, and employer expectations in the AI-driven era.



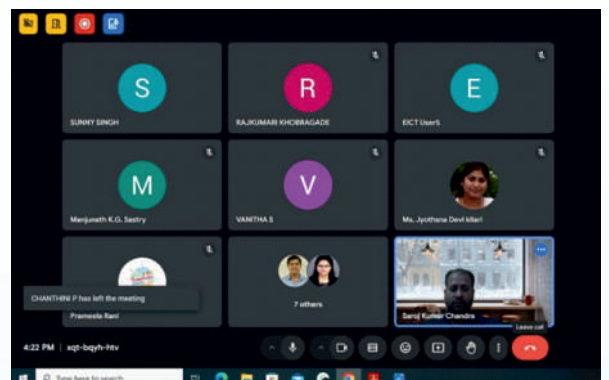
Prof. Asim Kiran Dandapat from the Department of Computer Science & Engineering, who shared his expertise on applying C programming techniques to solve numerical problems relevant to Electrical Engineering. The program offered participants valuable hands-on experience and enhanced their computational problem-solving skills organized by the Department of Electrical Engineering one-week Short-Term Training Program (STTP) on “Code & Compute: Numerical Recipes in C” from June 30 to July 4, 2025.



Faculty Development Program(FDP)

Dr. Saroj Kumar Chandra delivered a session during the Faculty Development Program (FDP) on “Medical Image Analysis and Its Advancements through Explainable AI & Security,” organized by E & ICT Academy, NIT Warangal in collaboration with IIIT Kottayam.

The program brought together experts in AI, medical imaging, and cybersecurity to explore AI's role in disease detection, personalized treatment, and the importance of Explainable AI (XAI) for trustworthy clinical decisions. The FDP emphasized secure, ethical, and practical applications of AI in healthcare.



■ The Department of Computer Science & Engineering organized a Faculty Development Program (FDP) on “Blockchain-Powered Machine Learning: Future of AI Security and Transparency” from May 19-23, 2025. The program received an excellent response with 220 registrations from faculty and professionals across the country. The FDP focused on integrating blockchain with machine learning to enhance AI security and transparency. It featured expert talks, hands-on sessions, and discussions on real-world applications. The event concluded successfully with active participation and engagement from all attendees.

O. P. Jindal University, Raigarh
School of Engineering, Department of Computer Science & Engineering

Faculty Development Program (FDP)
ON
Blockchain-Powered Machine Learning: Future of AI Security and Transparency
May 19-23, 2025

Patron: Dr. R. D. Patidar, Vice Chancellor
Chairman: Dr. Ashish K Sharma, Professor & Head of Department (CSE)

Objectives of FDP:
The FDP aims to provide an in-depth understanding of the integration of Blockchain and Machine Learning (ML), focusing on how Blockchain technology can enhance the security, transparency, and trustworthiness of ML applications. The following details outline key components of the FDP:

Registration fee: Rs. 200/-
SCAN AND PAY QR CODE

For Details Contact:
Dr. R N Shukla
Mob No. : 9826321667, 9109977050
Email : rshukla@opju.ac.in
Dr. Saroj Kumar Chandra
Mob No. : 9827860118
Email : saroj.chandra@opju.ac.in

Register for the program by filling the google form.
<https://forms.gle/mAJuWqL0ck41NxWR7>

The top screenshot shows a Zoom meeting in progress with several participants. The bottom screenshot shows a presentation slide titled "What is Telehealth?" with bullet points: "Use of digital information and communication technologies to access healthcare remotely", "Includes: consultations, patient monitoring, EHR access, diagnosis", and "Common Devices: Wearables, IoT devices, mobile apps".

■ Mr. Jitendra Kumar Gardia has completed the Faculty Development Programme on “Artificial Intelligence, Machine Learning, and Deep Learning” organized by the Electronics and ICT Academy, IIT Roorkee, in association with GIET University Odisha. held from January 6-10, 2025.



ELECTRONICS & ICT ACADEMY
INDIAN INSTITUTE OF TECHNOLOGY ROORKEE

CERTIFICATE

Faculty Development Programme
On
Artificial Intelligence, Machine Learning and Deep Learning

This is to certify that **Mr. Jitendra Kumar Gardia** of **O.P. Jindal University, Raigarh** has successfully completed the Faculty Development Programme on “**Artificial Intelligence, Machine Learning and Deep Learning**” organized by Electronics and ICT Academy IIT Roorkee in association with GIET University, Odisha held from 06th Jan 2025 – 10th Jan 2025.

Dr. Sanjeev Manhas
Principal Investigator
E&ICT Academy, IIT Roorkee

Dr. Raghendra Kumar
Local Coordinator
GIET University, Odisha

■ Dr. Pradeep Kumar Sriwas has attended the five-days FDP on “AI Driven Robotics and Industrial Automation for Industry 4.0 Transformation”, organized by the Department of Mechanical Engineering in Association with Center of Excellence in Robotics, O.P. Jindal University, Raigarh from April 14-18, 2025.

O. P. JINDAL UNIVERSITY, RAIGARH
Department of Mechanical Engineering
In association with
Centre of Excellence in Robotics

CERTIFICATE OF PARTICIPATION

This is to certify that
Dr. Pradeep Kumar Sriwas, O.P. Jindal University, Raigarh

has successfully attended the five-days FDP on “AI-Driven Robotics and Industrial Automation for Industry 4.0 Transformation”, organized by the Department of Mechanical Engineering in association with Centre of Excellence in Robotics, O.P. Jindal University, Raigarh, from April 14-18, 2025.

We wish him/her best for the future endeavours

Dr. Saroj Kumar, Sr. Assistant Professor, (Mechanical)
Dr. Mahesh Bhisotpurkar, Professor & Vice Dean (Mechanical)
Dr. R. D. Patidar, Vice Chancellor

Awards, Achievements & Excellence

- **Dr. Amit Jain, Department of Computer Science and Engineering, School of Engineering** has been selected for the role of “Editorial Manager” for the Online Submission and Peer Review Tracking System for the SCIE indexed “Imaging Science Journal”.
- **Mr. Jitendra Kumar Gardia, from the Department of Computer Science and Engineering, School of Engineering** played an instrumental role in executing the workshop titled 'AI for Students: Build Your Own Generative AI Model' on January 16, 2025. The workshop, conducted by AI expert **Mr. Abhinav Devaguptapu**.



- **Dr. Bhupesh Kumar Dewangan** served as a Session Chair and delivered a keynote address at the **5th International Conference on Intelligent Systems and Machine Learning (ICISML - 2025)**, organized by the Department of Computer Science and Engineering at NIT Meghalaya, India, on **May 16–17, 2025**. In recognition of his contribution, he was awarded a Certificate of appreciation.

- **Dr. Saroj Kumar Chandra** has been recognized as a 2024 Top Scholar by ScholarGPS, a leading platform in scholarly analytics. This prestigious honor places **Dr. Chandra** in the top 0.5% of scholars worldwide, acknowledging an exceptional record of research publications, scholarly impact, and academic contributions across various fields and disciplines. Such a distinction is a testament to Dr. Chandra's dedication to advancing knowledge and making a lasting impact in their area of expertise. We extend our heartfelt congratulations on this well-deserved recognition!



- **Dr. Ashish K Sharma** has completed the “Data Visualization with Tableau” an online non-credit course authorized by Tableau Learning Partner and offered through Coursera.



- **Dr. Pradeep Kumar Sriwas** has completed the “Data Analysis with Python” course offered on Coursera and authorized by IBM.



■ **Mr. Manoj Kumar Singh** has completed the “**Write Professional Emails in English**” course offered on Coursera and authorized by Georgia Institute of Technology.



■ **Mr. Gyan Prakash Sharma** has completed the course on “**Introduction to the Internet of Things and Embedded Systems**” offered by Coursera authorized by University of California, Irvine.



■ **Dr. Pradeep Kumar Sriwas** has completed the course on “**Coursera Certified Admin**” online non-credit course offered by Coursera.



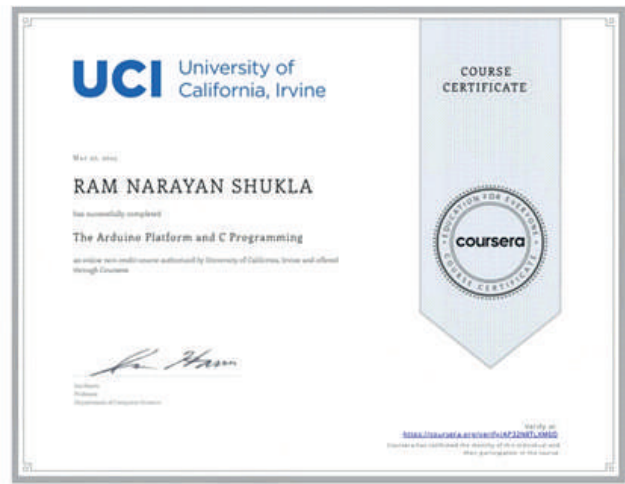
■ **Mr. Gyan Prakash Sharma** completed the course on “**The Arduino Platform and C Programming**” a non-credit course authorized by the university of California, irvin and offered by coursera.



■ **Dr. Amit Jain** has completed the course on “**Introduction to Data Analytics**” an online non-credit course authorized by IBM and offered through coursera.

■ **Dr. R N Shukla** has completed the course on “**The Arduino Platform and C Programming**” online non-credit course authorized by the Vanderbilt university and offered by coursera.

R ✓
Completed by RAM NARAYAN SHUKLA
 March 26, 2025
 12 hours (approximately)
 Grade Achieved: 99.37%
 RAM NARAYAN SHUKLA's account is verified. Coursera certifies their successful completion of The Arduino Platform and C Programming.



UCI **The Arduino Platform and C Programming**
 University of California, Irvine
 ★★★★★ 4.7 (7,135 ratings) | 210K Students Enrolled



■ **Mr. Manoj Kumar Singh** has completed the course on “Java for Android” an online non-credit course authorized by the university of california, irvin and offered by coursera.



■ **Dr. Ashish K Sharma** has completed the course on “Introduction to Data Analytics for Business” an online non-credit course authorized by the University of colorado Boulder and offered by coursera.

■ **Prof. Asimkiran Dandapat** conducted a hands-on training on “Artificial Intelligence and Machine Learning” for the industry professionals at Jindal Steel & Power, Raigarh under CCET of the university.



■ One Team A4M from the Department of Computer Science & Engineering at **O. P. Jindal University** for securing 1st position in the IoT category at the **INNOVATE X 4.0 Hackathon!** Held at **CV Raman Global University, Bhubaneswar** on 16-17 April 2025. The winning team was awarded a cash prize of ₹45,000 and a ₹30,000 credit towards a paid internship

One Team A4M from the Department of Computer Science & Engineering at O. P. Jindal University for securing 1st position in the IoT category at the INNOVATE X 4.0 Hackathon! Held at CV Raman Global University, Bhubaneswar on

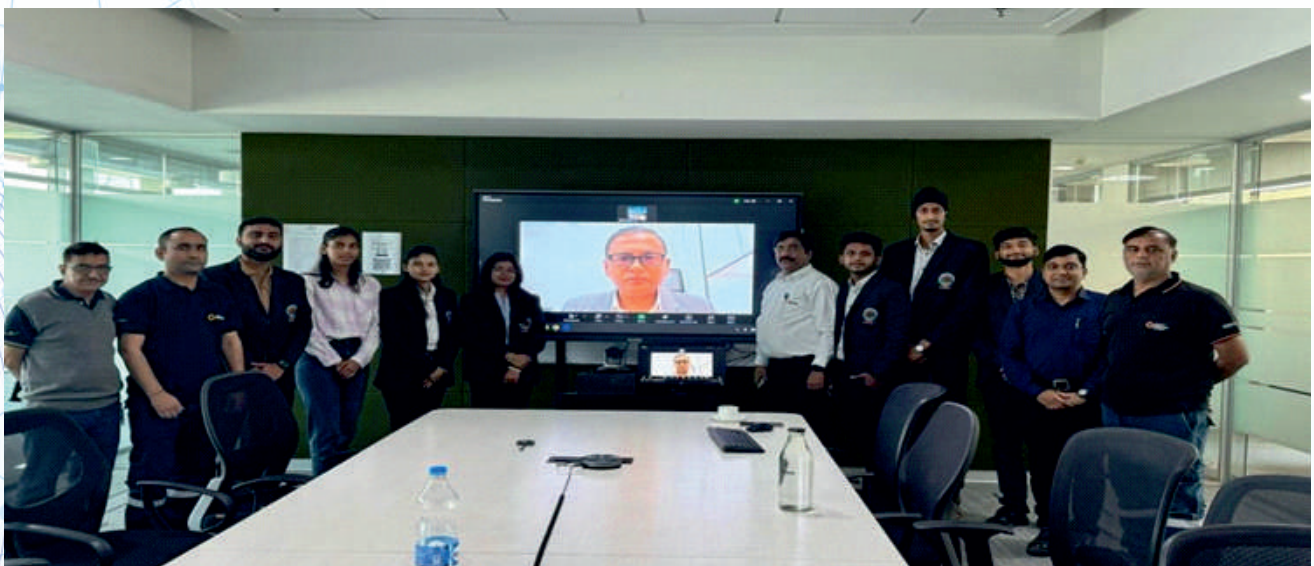


Students Achievement

■ Mr. Akshat Shubham, Students of M Tech Department of Computer Science Engineering 4th Semester, has qualified for UGC NET December-2024 examination bearing a percentage 98.91.

UGC - NET December 2024 Scorecard			
Roll Number:	CG0201274	Application Number:	2402010003
Candidate's Name:	AKSHAT SHUBHAM		
Mother's Name:	SILKATA KUMAR		
Father's Name:	SARUJ KUMAR		
Category:	GENERAL	Person with Disability (PwD):	NO
Gender:	MALE	Date of Birth:	14.08.1995
Subject:	(087) - COMPUTER SCIENCE AND APPLICATIONS		
No. of Candidates in this Subject:	Registered: 41924	Appeared:	37225
Applied on the basis of:	MASTER DEGREE		
Applied for:	"ASSISTANT PROFESSOR/JUNIOR RESEARCH FELLOWSHIP/PH.D. ONLY"		
Paper:	Maximum Marks:	Marks Obtained:	Percentile Score Obtained:
Total (Paper 1 + Paper 2):	300	182	98.910037
Total Marks Obtained in Words:	ONE HUNDRED EIGHTY TWO ONLY		
Total Percentile Obtained in Words:	NINETY EIGHT POINT NINE ONE EIGHT EIGHT THREE THREE SEVEN ONLY		
Result:	QUALIFIED FOR ASSISTANT PROFESSOR & ADMISSION TO Ph.D.		

■ Aaditya Prabhakar, Ankit Singh, Amrit Pal Singh, Awani Patel, Ayush Sharma, Kanishka Maurya, from Computer Science & Engineering 6th Semester Section-A have completed and deployed their project, titled "A Real-Time Water Detection System," at the Plate Mill, Jindal Steel and Power, Raigarh.



The following students from the Department of Computer Science & Engineering have successfully qualified the NPTEL Examination:

Abhishek Sinha

Kajal Swarnkar

Reshma Ekka

Navya Tiwari

Dev Agrawal

Piyush Pandey

Pratyush Behera

Ravikant

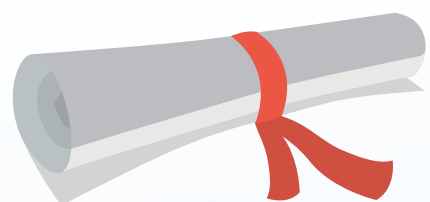
The image displays nine NPTEL Online Certification certificates arranged in a 3x3 grid. Each certificate is for a different student and includes the following information:

- Student Name:** Abhishek Sinha, Kajal Swarnkar, Reshma Ekka, Navya Tiwari, Dev Agrawal, Piyush Pandey, Pratyush Behera, and Ravikant.
- Course Title:** Software Testing, Machine Learning and Deep Learning - Fundamentals and Applications, and Data Science for Engineers.
- Score:** 73%, 66%, 66%, 70%, 67%, 51%, 57%, and 55%.
- Exam Details:** Online Assignments and Proctorial Exam scores.
- Exam Date:** Jul-Oct 2024 or Jul-Sep 2024.
- Institution:** International Institute of Information Technology Bangalore, Indian Institute of Technology Guwahati, Indian Institute of Technology Madras, and Indian Institute of Technology Kharagpur.

Congratulations!
 Mr. Navjivan Kumar Mehta and Ms. Navya Tiwari have emerged as Grand Champions in the ECOINNOVATORS IDEATHON 2025. Their innovative solutions earned them an invitation to present their idea at a symposium in Villars, Switzerland.

ECOINNOVATORS IDEATHON 2025 WINNERS
 Where Tech Powers Earth's Future

O. P. Jindal University, Raigarh



■ **Mr. Ravi Namdeo**, B. Tech Computer Science & Engineering 2nd Semester, has participated in Internal Hackathon 2024 achieved the Student level credential for completing the Introduction to cyber Security Course and completing the TCS iON Career Edge Young Professional Course.



■ **Mr. Rudra Kashyap**, a 6th Semester student of Computer Science & Engineering, has successfully completed the “Principles of UX/UI Design” online non-credit course authorized by Meta and offered through Coursera.

Community Outreach Activities

Outreach Activity under the NSS

■ On 4th April 2025, 20 students from 3rd Year CSE, 6th Semester, accompanied by faculty member **Prof. Jitendra Kumar Gardia**, visited a village in Punjipathra, Raigarh as part of an NSS activity. The objective of the visit was to educate villagers on cyber security, internet safety, and digital wellness. The team conducted awareness sessions and engaged with the community to promote safe and responsible internet usage.



Research Publications & Patents

■ **Prof. Jemarani Jaypuria** has presented a conference paper titled “A Case Study of the Application of Deep Learning to Detect Skin Cancer” at the International Conference on Cutting Edge Technology in Computing, Communication & Intelligence (ICCTCCI-2025), IMIT, Cuttack, Odisha. The paper is indexed in Scopus and published by CRC Press.



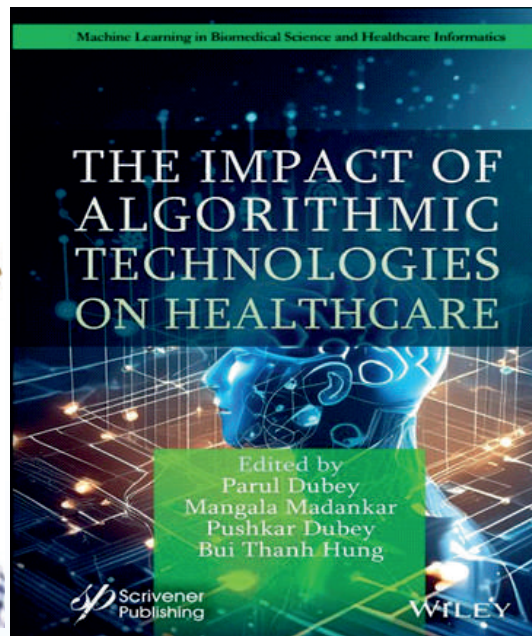
■ **Dr. Pradeep Kumar Sriwas** published a research paper titled “**Advanced Machine Learning Software Cost Prediction Model Using AdaBoost and COCOMO Cost Parameter**” has been accepted for publication in the renowned Journal of Information Systems Engineering and Management (JISEM), a Scopus-indexed journal.
 Doi: <https://www.jisem-journal.com/index.php/journal/article/view/10128>



■ **Dr. Arti Vaish** and **Mr. Jitendra Kumar Gardia** have published two research papers titled “**Enhanced Anomaly Detection in IoT Sensor Data Using Machine Learning: A Comparative Analysis of Efficiency and Real-Time Applications**” and “**Cost-Effective IoT-Based Health Monitoring System for Versatile Applications.**” These papers were presented at the FlexEV 2024 – Springer (Scopus Indexed) International Conference on Flexible Electronics for Electric Vehicles, held on December 19–20, 2024.



■ **Dr. Umashankar Ghughar** and **Dr. Rakesh Nayak**, from the Department of Computer Science and Engineering, School of Engineering, co-authored a research paper titled “**Predictive Analysis in Patient Care**” which has been published by John Wiley and Sons. The paper, published on January 13, 2025, explores the application of predictive analysis in improving patient care. DOI: <https://doi.org/10.1002/9781394305490.ch4>.





■ **Dr. Rakesh Nayak, with Co-author Dr. Uma Shankar Ghughar** has published a conference paper titled “**Defense Strategy Security Mechanism for Sensor Networks,**” which was presented at the 5th EAI International Conference on Cognitive Computing and Cyber Physical Systems (IC4S 2024) in Bhimavaram, India, from April 5–7, 2024. The paper is published as a book chapter in Lecture Notes of the Institute for Computer Sciences, Social Informatics, and Telecommunications Engineering, vol. 597, Springer, Cham. DOI Link: https://link.springer.com/chapter/10.1007/978-3-031-77075-3_5

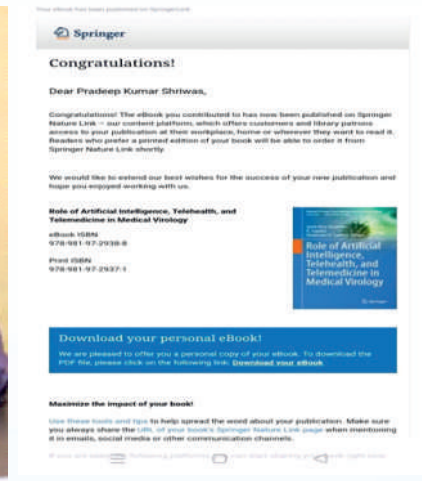
■ **Dr. Arti Vaish and Dr. Jitendra Kumar Gardia** presented a paper titled “**Assessing the Failures of Biodegradable Material Paver Blocks by Using Machine Algorithm**” at the ICIRSTSD Conference, organized by the School of Science, held from May 29-30 2025.



■ **Dr. Arti Vaish, Dr. Ashish Sharma, Dr. Jitendra Kumar Gardia, and Dr. Pradeep K. Sriwas** presented a research paper titled “**Leveraging Cloud Computing and Digital Technologies to Promote the 3R (Reduce, Reuse, Recycle) Principles in Fashion Management Among Young Students in Lucknow for Environmental Sustainability**” at the ICIRSTSD Conference, organized by the School of Science, held on 29–30 May, 2025.

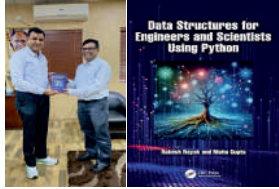


■ **Dr. Pradeep Kumar Shriwas**, has published the eBook entitled “**Role of Artificial Intelligence Telehealth and Telemedicine in Medical Virology**” that you contributed to has now been published on the Springer Nature platform.
eBook Details:
Book ISBN: 978-981-97-2938-8
Print ISBN: 978-981-97-2937-1





■ Dr. Rakesh Nayak has published a Book Chapter titled “Ensuring security and confidentiality in swarm-embedded systems”, for the book "Integrated Technologies in Electrical, Electronics and Biotechnology Engineering" with eISBN: 97811003606208 and is published by CRC Press, 2025.
<https://www.taylorfrancis.com/chapters/edit/10.1201/97811003606208-8/ensuring-security-confidentiality-swarm-embedded-systems-rakesh-nayak-umashankar-ghugar?context=ubx&refId=a5fad2c4-706e-4495-9123-9f46db684401>

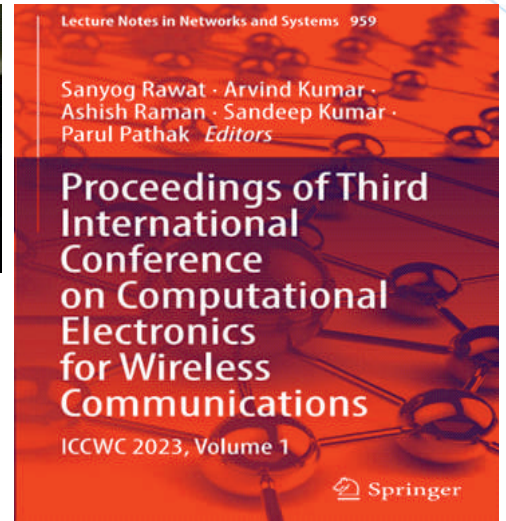


■ Dr. Rakesh Nayak has published his book, “Data Structures for Engineers and Scientists Using Python”, published by CRC Press, ISBN-13-978-1032463681.

■ Dr. Rakesh Nayak & Dr. Amit Jain, Dr. Umashankar Ghugar , published a chapter titled “Chapter 8: Soft Computing and System Engineering for Smart Manufacturing” in the book 'Soft Computing in Smart Manufacturing and Materials'. ELSEVIER (Scopus Index).



■ Dr. Arti Vaish published two book chapters namely “A Finite Element Technique for Approximately Solving for the Electromagnetic Field Within a Cavity Resonator” and “Quantum Field Current Modelling in a Semiconductor” with springer conference proceedings. doi:[10.1007/978-981-97-1943-3_5](https://doi.org/10.1007/978-981-97-1943-3_5)



■ Dr. Ashish K Sharma from the Department of Computer Science and Engineering has been granted an Indian Design Patent titled “Smart Air Purifier” (Design No. 409404-001), marking a significant achievement in the field of innovation and design.



■ **Dr. Amit Jain** from the Department of Computer Science & Engineering has been granted a patent for his innovative work titled “Solar Powered Based Battery Charger Stand”, with Application No. 412846-001 on 1st April 2025. This invention presents an eco-friendly solution for charging portable electronic devices using renewable solar energy.



Placement / Internship

■ **Ms. Vanmayie Singh** student from the Computer Science & Engineering 8th Semester has been selected for the position of ML/AI Intern at **Hikigai India Pvt.** As part of this internship, Ms. Singh will receive a paid stipend.



■ **Ms. Priya Agarwal** has been selected by **SMS Group** her dedication, hard work, and determination have truly paid off, and we are incredibly proud of your achievement. Wishing you continued success as you embark on this exciting new chapter in your professional journey.



■ **Mr. Atharva Tripathi** of B.Tech 8th Semester has been selected to join **Code Nicely**, a reputed software development company known for its cutting-edge projects and innovation-driven culture. Atharva's selection reflects his strong technical skills, problem-solving ability, and commitment to excellence in software development.

■ We are pleased to share that **Mr. Abhijit Singh**, a student of B.Tech, 6th Semester, has secured a one-month Internship/Vocational Training opportunity at **SECL, Bilaspur**.



साउथ इस्टर्न कोलफील्ड्स लिमिटेड
 मुख्य महाप्रबंधक का कार्यालय
 मानव संसाधन विकास विभाग,
 इन्दिरा विहार, बिलासपुर, 495006 (छत्तीसगढ़)
 Ph. No. 07752 - 255059, Fax No. 07752-254186
 (A MINIRATNA COMPANY)

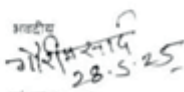
संदर्भ : एसईसीएल/बीएसपी/मासवि/25-26/132 दिनांक-28.05.2025

प्रति,
 महाप्रबंधक,
 रायगढ़, दीपका, क्षेत्र |
 विषय : छात्र/छात्रा को बिना भुगतान के INTERNSHIP/ VOCATIONAL TRAINING देने के संबंध में।

महोदय,
 संस्था/ महाविद्यालय के पत्र सं नं दिनांक 23.05.2025 के अनुसार निम्नलिखित छात्र/छात्रा को आपके क्षेत्र/विभाग में बिना भुगतान के INTERNSHIP/VOCATIONAL TRAINING देने हेतु इस कार्यालय से भेजा जा रहा है तथा आपसे अनुरोध है कि निम्नलिखित छात्र/ छात्रा को आपके क्षेत्र/ विभाग में बिना भुगतान के vocational ट्रेनिंग देने का कष्ट करें।

क्र.सं.	नाम	श्रेणी	अवधि	दिनांक से	तक	क्षेत्र
1.	Abhijeet Singh	B.Tech. (CSE)	One Month	02.06.2025	01.07.2025	Dipka

प्रशिक्षण अवधि के दौरान छात्र/छात्रा को कोई भी परिश्रमिक का भुगतान नहीं किया जाएगा तथा कोई आवास सुविधा प्रदान नहीं की जाएगी। छात्र/ छात्रा को कोई भी प्रशिक्षण प्रारम्भ करने के पूर्व कंपनी के नियमानुसार अनुबंध पत्र (इंटेमिनिटी बॉन्ड) भरना होगा ताकि कोई क्षति/ दुर्घटना होने पर एसईसीएल के द्वारा क्षतिपूर्ति देने की कोई जवाबदारी नहीं होगी। Section 40 (2) of Mines Act 1952 के प्रावधान के अंतर्गत 16 वर्ष से कम आयु के छात्र / छात्रा को भूमिगत खान / ओपनकास्ट खान में ट्रेनिंग नहीं दी जाएगी। एवं 16 वर्ष से 18 वर्षतक के छात्र / छात्रा को संबंधित Director Of Mines Safety की अनुमति लेने के बाद ही ट्रेनिंग दी जाएगी। यह अनुमति संबंधित खान प्रबंधक के द्वारा ही लेनी होगी।

भवदीय

 प्रबंधक (खनन)
 (मासवि) एसईसीएल, बिलासपुर
 प्रतिनिधि-

- टीपीओ/ प्राचार्य/संस्था/कोलेज: --- O.P. Jindal University, Raigarh.
- क्षेत्रीय प्रशिक्षणअधिकारी -रायगढ़, दीपका क्षेत्र |
- संबन्धित छात्र/ छात्रा: आपसे अनुरोध है की संबन्धित क्षेत्र के क्षेत्रीय प्रशिक्षण अधिकारी को रिपोर्ट करें

Other Events

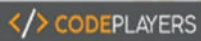


■ **Ms. Jemarani Jaypuria** has joined O. P. Jindal University as an Assistant Professor in the School of Engineering, Department of Computer Science & Engineering, on 10th February 2025.



■ **Mr. Ajay Prasad** has joined O P Jindal University as an Assistant Professor (Sr. Grade) in the School of Engineering Department of Computer Science, on 21st February 2025.

Internship Companies



Faculty Members



Prof. (Dr.) Ashish K Sharma
Dean & Head - CSE



Dr. Rakesh Nayak
Professor



Dr. Amit Jain
Professor



Dr. Arti Vaish
Professor



Dr. Bhupesh Dewangan
Associate Professor



Dr. R N Shukla
Associate Professor



Prof. U.S. Pandey
Assistant Professor (Sr. Grade)



Prof. Asim K Dandapat
Assistant Professor (Sr. Grade)



Dr. Saroj K Chandra
Assistant Professor (Sr. Grade)



Prof. Ajay Prasad
Assistant Professor (Sr. Grade)



Dr. Pradeep K Sriwas
Sr. Assistant Professor



Prof. Jitendra Kumar Gardia
Assistant Professor



Prof. Jeymarani Jeypuria
Assistant Professor

Staff Members



Mrs. Roshani Bhandarkar
Lab Instructor



Mr. Manoj Kumar Singh
Lab Instructor



Mr. Rajkumar Sahu
Lab Instructor



Mr. Jagannath Thawait
Lab Instructor



Ms. Sanjana Thethwar
Lab Instructor



Mr. Rajesh Tanti
Lab In-charge











Mr. Gyan Prakash Sharma
Lab Instructor





Mr. Vijay Bareth
Lab Attendant



Infrastructure

 50 Acre Land Area	 5,00,000 Sqft. Build up Area
 1000 Capacity Hall of Residence 1 & 2	 350 Capacity Hall of Residence 3
 1000 Mbps (1:1) Connectivity Fully Wi-fi Campus	 1000 Networked Computer Systems
 45 Well Equipped Laboratories	 Central Library










Research & Publication

 90 Referred International Journals	 38 Referred National Journals
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Library

 30,000+ Books	 5000 Titles
 15,000 E-journals	 2,50,000 E-books




Students

 2200+ Students	 60% Boys	 80% UG
	 40% Girls	 20% PG
 Student from 20+ Different states	 3500+ Alumni	
 1 : 15 Faculty-Student Ratio	 35 Average age of the Faculty Members	



Faculty and Staff

 110 Faculty	 80% PhD	 70% Male
	 20% PG	 30% female
 80% Faculty Qualification from IIT, IIM, NIT & IIM	 20% Faculty with global experience	 100+ Non-teaching Staff

Placement Statistics

Year 2023-24		
 100+ Campus Drives	 84% Students Placed	 6.7 Lacs Average Package

Collaboration & MoUs

 70+ National	 10+ International
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