



Proudyogam

Computer Science Engineering & Information Technology

VOLUME - II | ISSUE SPRING - 2026

MoU with IBM India & Cognitel Training Services

In a significant milestone towards strengthening industry-academia collaboration and fostering future-ready talent, Jharkhand Rai University (JRU), Ranchi, entered into a Memorandum of Understanding (MoU) with IBM India Pvt. Ltd. and Cognitel Training Services Pvt. Ltd. to offer industry-oriented education and skill development programmes in emerging technologies to the students.



Prof. (Dr.) Piyush Ranjan, Honourable Vice Chancellor of Jharkhand Rai University, and Ms. Shefaly Dutta, Head-Academic Partnership Division, IBM, and Mr. Rajeev Kabra, Founder Director, Cognitel (IBM Career Education Partner) during the Exchange of document of MoU.

The collaboration aims to bridge the gap between academic learning and industry requirements by integrating globally recognized IBM technologies, industry expertise, and practical handsom training within the University's academic framework. Through this partnership, students will have access to specialized learning opportunities in high-demand domains such as Artificial Intelligence (AI), Machine Learning (ML),

Deep Learning, Natural Language Processing (NLP), Data Science, Data Visualization, Business Analytics, Cloud Computing, Big Data, Internet of Things (IoT), and Cognitive Computing.

The IBM India will provide guidance in formulating curriculum which will industry-align the course content, certifications, technology resources, and expert engagement. While the Cognitel Training Services Pvt. Ltd., is the implementation and training partner, which will facilitate programme delivery, faculty orientation, industry-led training sessions, and learner support. This collaborative ecosystem will enable students to acquire contemporary globally relevant skills and professional certifications, significantly enhancing their employability and career prospects.

From the current academic session, the university is introducing B.Tech. programme with specialization in Artificial Intelligence and Machine Learning. This will feature a structured learning pathway from software foundations and Python programming to advanced AI technologies and industry projects. In addition, several value-added certification courses will be made available to students across engineering, computer applications, and management disciplines.

The partnership will also facilitate to organize seminars, workshops, faculty development programmes, industry interactions, and co-branded certification programmes, creating a vibrant environment for innovation, experiential learning, and professional growth.

IETE STUDENTS FORUM

The Faculty of Computer Science Engineering & Information Technology, Jharkhand Rai University, marked a significant milestone with the establishment of the Institute of Electronics and Telecommunication Engineers (IETE) Students Forum (ISF) Chapter. The inaugural ceremony was graced by Prof. (Dr.) Ajay Kumar, Vice President, IETE, and Prof. (Dr.) Vijay Kumar Singh, Honorary Secretary, IETE Jharkhand, who highlighted the vital role of professional societies in fostering technical excellence, research, innovation, networking, and career growth. During the event, student members of the IETE Students Forum were formally inducted and presented with membership certificates, badges, and ID cards, encouraging their active participation in professional and technical activities.



Student members receiving IETE membership certificates at the inauguration of the IETE Students Forum (ISF) Chapter

WORKSHOP

IT Tools for students

4th February 2026 : A workshop on “AI Tools for Students: Career Planning and Skill Development” was organised for students of B.Sc. Computer Application of St. Paul’s College, Ranchi. There were 35 students and 10 faculty members in the workshop to learn the IT tolls.

Prof. Anuradha Sharma, Assistant Professor & Coordinator, Dr. Kumar Amrendra, Assistant Professor, Dr. Md. Irfan Alam, Associate Professor, and Prof. Sanjay Kumar Mahto, Assistant Professor, Faculty of CSE & IT were instrumental in successful organisation of the workshop. All faculty members in a coordinates fashion and resource persons introduced being the fundamentals of Artificial Intelligence and demonstrated the practical use of AI tools, including ChatGPT, Google Gemini, NotebookLM, Speechify, Canva, and AI-based resume generators. The resource persons emphasized how these technologies can enhance learning, productivity, content creation, resume building, and career planning.

Through hands-on activities, the students explored real-world AI applications and gained practical exposure to industry-relevant technologies, while understanding the importance of responsible AI adoption.



Inauguration of the Workshop on AI Tools for Students with the traditional lamp-lighting ceremony.

Participants appreciated the workshop for its practical approach and relevance to current industry trends. The hands-on sessions enabled them to build confidence in using AI tools for academic and professional development, while gaining valuable insights into AI-driven career opportunities.

18th March 2026: A workshop on “AI Tools for Students: Career Planning and Skill Development” was conducted for 35 students of B.Sc. Mathematics (Hons.), Gossner College, Ranchi. The workshop witnessed the participation of 10 faculty members. The workshop was conducted by Prof. Anuradha Sharma, Assistant Professor, Dr. Kumar Amrendra, Assistant Professor, Dr. Md. Irfan Alam, Associate Professor, and Prof. Sanjay Kumar Mahto, Assistant Professor, Faculty of CSE & IT.



Traditional lamp-lighting ceremony marking the inauguration of the workshop on AI Tools for Students: Career Planning and Skill Development.



Prof. Anuradha Sharma addressing participants during the workshop on AI Tools for Students: Career Planning and Skill Development.

The resource persons introduced participants to the fundamentals of Artificial Intelligence and demonstrated the practical applications of AI tools, including ChatGPT, Google Gemini, NotebookLM, Speechify, Canva AI, and AI-based resume generators. The sessions focused on enhancing productivity, academic learning, communication, content creation, resume building, and career planning through AI. During the hands-on workshop, students actively explored AI-powered platforms and gained practical exposure to modern technologies while learning the importance of responsible and ethical AI adoption. Participants appreciated the workshop for its engaging demonstrations and practical learning experience. The hands-on exposure encouraged students to integrate AI tools into academic learning, project work, and career planning while strengthening their interest in emerging technologies.

Inside chatGPT - DR. SHWETA

“Inside ChatGPT: Exploring Its Superpowers” a training cum orientation programme was organised on **2nd April 2026** for students BCA, MCA, and B.Tech. CSE. 102 participants, including 95 students and 7 faculty members were present in the workshop. The session was addressed by Dr. Shweta, Founder & Director, High Jump Edutech (An AI-based Education Startup). She introduced students to the capabilities and future potential of ChatGPT and Generative AI, explaining how AI language models can support content creation, coding, research, data analysis, communication, and productivity. Through live demonstrations, she showcased practical applications of ChatGPT in academics, software development, business communication, and career planning. The session also focused on prompt engineering techniques and emphasized the responsible and ethical use of AI technologies.

The highly interactive workshop enabled students to get practical experience with ChatGPT and AI-powered tools, encouraging them to leverage Generative AI for smart learning, innovation, and professional development. Students appreciated the live demonstrations and hands-on exposure to ChatGPT applications. Many participants expressed enthusiasm for exploring Generative AI further and recognized its potential for transforming learning and future career opportunities.



Dr. Shweta, Founder & Director, High Jump Edutech, delivering an interactive session on ChatGPT and Generative AI during the workshop “Inside ChatGPT: Exploring Its Superpowers.”

EXPERT TALK

SHEFALY DUTTA, (IBM)- Prepare for Next- Industry

3rd February 2026: An expert talk on “Artificial Intelligence: Industry Perspectives and Emerging Opportunities” was organised for the students of B.Tech. CSE and MCA to provide industry insights into the rapidly evolving field of Artificial Intelligence. There were 107



participants in the programme including 97 students and 10 faculty members. The session Ms. Shefaly Dutta, Head – Academic Partnership Division, IBM, and Mr. Rajeev Kabra, Founder Director, Cognitel (IBM Career Education Partner) were the experts as resource person. The experts highlighted the transformative impact of Artificial Intelligence across industries, emerging career opportunities, essential technical and professional skills, and the growing importance of industry-academia collaboration.

They also introduced IBM’s academic partnership initiatives and certification pathways that can enhance students’ employability in the AI-driven job market. The session witnessed active participation from students through discussions on AI applications, ethical considerations, and future career prospects, encouraging them to strengthen their AI competencies and align themselves with evolving industry demands. The event received an encouraging overwhelming response from participants, with many students expressing interest in pursuing AI and Machine Learning certifications after gaining valuable industry perspectives.

MR. ROHIT SINGH: (Director & CEO) Nyxora Technology Private Limited AI in Development

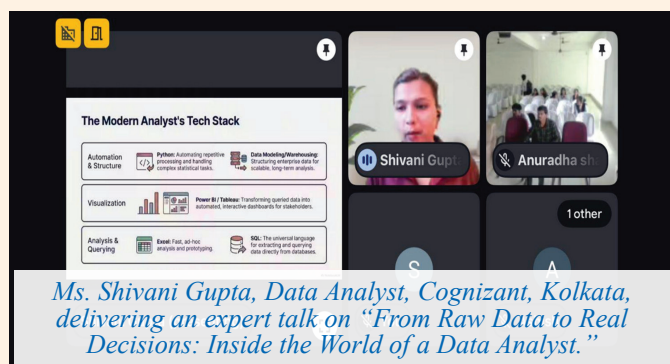
18th February 2026: An expert talk on “AI in Development: Myths, Reality, and the Path to Innovation” was organised for the students of B.Tech. CSE (VI Semester) and BCA (VI Semester). There were 82 participants, including 73 students and 9 faculty members. The expert talked about Mr. Rohit Singh, Director & CEO, Nyxora Technology Private Limited misconceptions surrounding Artificial Intelligence and explained its transformative role in automation, intelligent decision-making, and innovation-driven development. The speaker highlighted practical aspects of AI implementation strategies, emerging opportunities in AI-based startups, and emphasized the importance



of bridging academic knowledge gaps with real-world industry applications. The interactive session encouraged students to explore AI career paths, innovation challenges, and entrepreneurial opportunities, motivating them to develop a realistic understanding of AI and its growing impact across industries. Participants appreciated the practical insights shared during the session, particularly the discussion on AI myths, real-world applications, and innovation pathways, which they found highly relevant for building careers in AI and emerging technologies.

World of a Data Analyst

11th March 2026: An expert talk on “From Raw Data to Real Decisions: Inside the World of a Data Analyst” was organised for the students of B.Tech. CSE (VII Semester), BCA (IV Semester), and MCA (II Semester). There were 75 participants, including 69 students and 6 faculty members in this session.



Ms. Shivani Gupta, Data Analyst, Cognizant, Kolkata an expert of the field explained how organizations transform raw data into actionable insights for strategic decision-making and introduced students to the complete data analytics workflow, including data collection, cleaning,

visualization, and interpretation. She also highlighted the use of industry-relevant tools such as SQL, spreadsheets, data visualization platforms, and programming-based analytics environments, while sharing real-world examples of how data analytics and its role in business intelligence, operational efficiency, and innovation.



The talk enabled students to acquire and develop valuable insights into career opportunities, essential technical skills, and industry expectations for aspiring data analysts, reinforcing the importance of data-driven decision-making in modern organizations. Students appreciated the analogies and guidance on the skills required to build successful careers in data analytics.

Cloud Platforms - Think and Act

19th March 2026: An expert lecture on “AI-Native Infrastructure: When Cloud Platforms Think and Act” was organised for the students of B.Tech. CSE (IV Semester). There were 87 participants, including 79 students and 8 faculty members in the session.

The lecture was delivered by Mr. Prudhvi Nayani, Infrastructure Architect and Researcher, Vice-President, JP Morgan Chase & Co., Florida, USA who was virtually present & discussed the evolution of AI-native cloud infrastructure and explained how Artificial Intelligence and Machine Learning are enabling cloud platforms to become more intelligent, adaptive, and automated. The speaker also discussed intelligent cloud orchestration, AI-driven infrastructure management, automation, scalability, cybersecurity, and the growing demand for professionals with expertise in Cloud Computing, Artificial Intelligence, and Infrastructure Engineering.

The students were exposed to emerging trends in intelligent cloud systems and enterprise AI applications. Expert encouraged them to explore advanced research and career opportunities in AI and Cloud Computing. They were overwhelmed with knowledge level of the speaker. The in-depth knowledge opened the eyes of the

students on AI-native cloud infrastructure and intelligent automation systems. The session inspired participants to pursue advanced domains such as Cloud Computing, AI Automation, and Infrastructure Engineering.

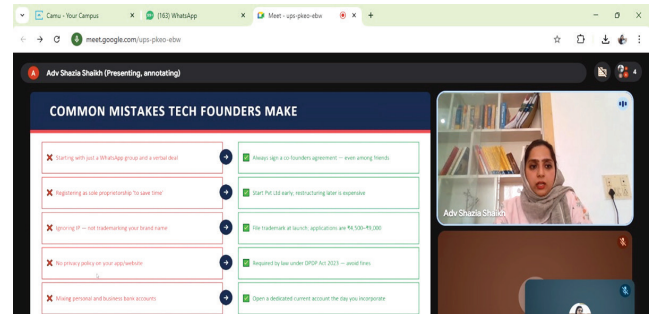


Mr. Prudhvi Nayani, Infrastructure Architect and Research Vice President, JP Morgan Chase & Co., delivering an expert lecture on “AI-Native Infrastructure: When Cloud Platforms Think and Act.”

Startup & Legal Basics

1st April 2026: Another expert talk on “How to Register Your Startup: MSME, Startup India & Legal Basics for Tech Entrepreneurs” was conducted for the students of B.Tech. CSE (IV Semester). 99 participants, including 91 students and 8 faculty members were present in the programme.

Ms. Shazia Shaikh, Commercial Litigator and Corporate Counsel, Bengaluru was an expert of the talk. She provided comprehensive insights into the legal and procedural aspects of establishing technology-based startups. She Explain the startup right firm registration process under MSME to Startup India initiatives programme. The speaker also discussed business registration procedures, intellectual property rights, legal compliance, contracts, taxation basics, startup governance, and the benefits available through various government schemes for entrepreneurs. The session enabled students to get practical know-how about startup registration, legal responsibilities, funding opportunities, business structures, and innovation-driven entrepreneurship, encouraging them to transform innovative ideas into successful technology ventures. Students get benefited with practical guidance on startup registration procedures, legal compliance, and entrepreneurship opportunities in the technology sector.



Ms. Shazia Shaikh, Commercial Litigator and Corporate Counsel, Bengaluru, delivering an expert talk on “How to Register Your Startup: MSME, Startup India & Legal Basics for Tech Entrepreneurs.”



INDUSTRIAL VISIT

Students' Visit to Codezeal Technology

18th March 2026: An industrial visit was organized to Codezeal Technology Pvt. Ltd., MIMEC Tech Park, Ranchi for the students of MCA (II Semester) and Diploma CSE (IV Semester). The visiting team comprised of 42 participants, including 40 students and 2 faculty members.

During the visit, students interacted with industry professionals and gained first-hand exposure to real-world software development practices. The technical experts of the Codezeal Technology explained software development methodologies, project management processes, coding standards, software testing, deployment techniques, and the role of emerging technologies in modern application development. They also shared valuable insights into industry expectations, teamwork, problem-solving approaches, career opportunities, and the technical skills required to succeed in the IT sector.

The visit enabled students to bridge the gap between classroom learning and industry practices, enhancing their understanding of professional work culture and software project workflows, while strengthening their

career readiness. Students appreciated the Departments & university's effort in providing opportunities to interact with industry professionals and gain practical insights into software development processes and workplace culture. The visit helped them better understand industry expectations and career opportunities in the IT sector.



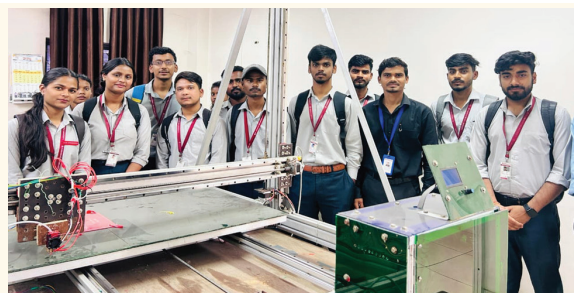
BCA Sem IV Students Visited Jharkhand Gov. MSME Tool Room-

1st April 2026: An another industrial visit was organized to the Jharkhand Government MSME Tool Room, Ranchi for the students of BCA (IV Semester). The visit was attended by 51 participants, including 49 students and 2 faculty members.

During the visit, students interacted with technical experts of MSME Tool Room and were exposed to modern industrial tools, manufacturing technologies, precision engineering, industrial automation, and product development processes. The experts also emphasized the importance of industry-oriented technical training, innovation, and skill development in meeting the demands of the modern manufacturing sector.

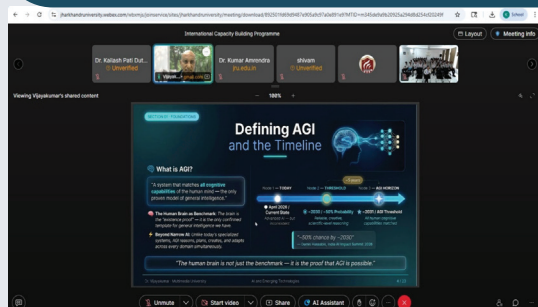
Students also visited the Incubation Lab, where students learned about startup incubation facilities, innovation support systems, entrepreneurship opportunities, and emerging technologies. The visit helped students understand how incubation centres nurture innovative ideas and support technology-driven startups.

Students appreciated the opportunity provided by the and university I visit and observe industrial operations, advanced manufacturing tools, incubation facilities. The exposure motivated them to explore entrepreneurship and strengthen their technical skills.



AI and IoT : An Emerging Technologies for Future

DR. V. VIJAYAKUMAR M. University, Cyberjaya, Malaysia



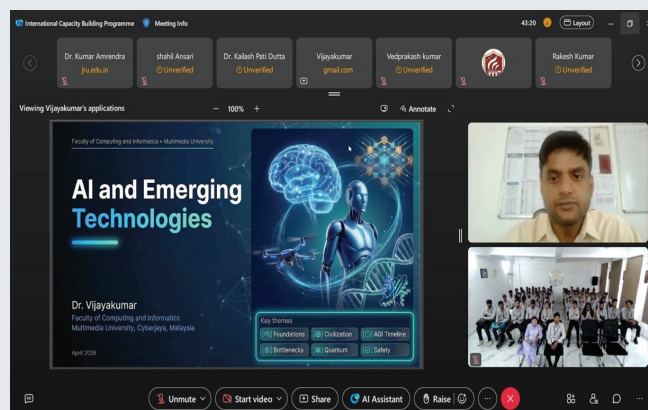
9th April 2026: A Technical Session on “AI and Emerging Technologies” was organised for the students, research scholars, and faculty members of BCA, MCA, B.Tech. CSE, and the Faculty of CSE & IT. 49 participants, (41 students and 8 faculty members) were present in the programme.

The Expert Resource Person Dr. V. Vijayakumar, Assistant Professor, Multimedia University, Cyberjaya, Malaysia. He shared his into experience

of rapidly evolving field of Artificial Intelligence and its applications across healthcare, education, robotics, cybersecurity, automation, and intelligent systems. The speaker also highlighted emerging research trends, multidisciplinary innovation, machine learning, data-driven technologies, and the importance of research-oriented learning and technological adaptability in addressing real-world challenges.

The session provided participants with international academic exposure and encouraged discussions on AI applications, emerging research domains, and global research opportunities, inspiring students to pursue innovation and technology-driven research.

Participants appreciated the international perspective and the insightful discussion on AI applications, emerging technologies, and future research opportunities. The session motivated many students to explore research, innovation, and careers in advanced technology domains.



ALUMNI TALK



A student in question answer session

Campus to Corporate- from TCS Professional

13th April 2026: An Alumni Talk on “Campus to Corporate: Transitioning from BCA Student to TCS Professional” was conducted for the students of BCA (II Semester). 90 participants, (including 82 students and 8 faculty members) were present in programme.

The session was addressed by Mr. Sourav Kumar, Graduate Trainee (Grade YG), Tata Consultancy Services (TCS), Kolkata, and Alumnus of the BCA (2022–2025) batch. Drawing from his personal journey, he shared valuable insights on transitioning from campus life to the corporate

world. He emphasized the importance of technical proficiency, communication skills, aptitude preparation, consistency, and self-confidence in securing placements and succeeding in the IT industry. The speaker also discussed resume building, interview preparation, workplace culture, internships, certifications, coding practice, and the significance of continuous learning for long-term career growth. The interactive session encouraged students to engage in discussions on placement preparation, technical interviews, corporate work culture, and career opportunities in multinational companies, providing them with practical guidance for their professional journey.

Students found the alumni interaction highly relatable and inspiring, appreciating the real-life experiences and practical advice on placement preparation and corporate readiness, which boosted their confidence towards future career opportunities.



HoD Dr. Anuradha Sharma felicitated Alumni Mr. Sourav Kumar

Orientation Ceremony of the Institute of Electronics and Telecommunication Engineers (IETE) Students Forum (ISF) Chapter

14th April 2026: The Orientation Ceremony of the Institute of Electronics and Telecommunication Engineers (IETE) Students Forum (ISF) Chapter was organized for the students of BCA, MCA, B.Tech. CSE, Diploma CSE, and faculty members of CSE & IT. The programme witnessed the participation of 102 participants, including 92 students and 10 faculty members.



Faculty and students in orientation programme



The orientation session was addressed by Prof. (Dr.) Ajay Kumar, Vice President, IETE, and Prof. (Dr.) Vijay Kumar Singh, Hony. Secretary, IETE Jharkhand.

The speakers emphasized the significance of professional societies in enhancing technical knowledge, research exposure, innovation, networking, and career development. They highlighted the opportunities offered through IETE, including technical workshops, seminars, conferences, certifications, competitions, and innovation-driven activities, encouraging students to actively engage in professional forums to strengthen their technical and leadership skills.

A major highlight of the programme was the formal induction of student members into the IETE Students Forum (ISF) Chapter, during which certificates, badges, and identity cards were presented to the members, marking a significant milestone in fostering a culture of professional learning and technical excellence.



Prof. Ajay Kumar, President IETE addressing in Orientation programme

MODEL PRESENTATION COMPETITION



Judging of the Models

24th April 2026: The Model Presentation Competition – “Innovatia: The Model Revolution” was organized for the students of BCA, MCA, B.Tech. CSE, and Diploma CSE. 50 participants, (including 40 students and 10 faculty members) were present.

The competition was judged by Dr. Ved Prakash Singh, Controller of Examinations, Jharkhand Rai University, and Dr. Jai Prakash Meena, Assistant Professor, Department of Mining Engineering, Jharkhand Rai University. The judges assessed the student projects based on innovation, technical implementation,

practicality, presentation skills, teamwork, and overall project impact. They interacted with participants, reviewed the working models, and provided valuable suggestions for further refinement and development.

A total of 15 student teams showcased innovative working models and technology-driven solutions based on emerging technologies, automation, software applications, smart systems, and real-world problem-solving concepts. The competition fostered experiential learning by encouraging students to transform theoretical knowledge into practical applications while strengthening their creativity, technical competence, and presentation skills.

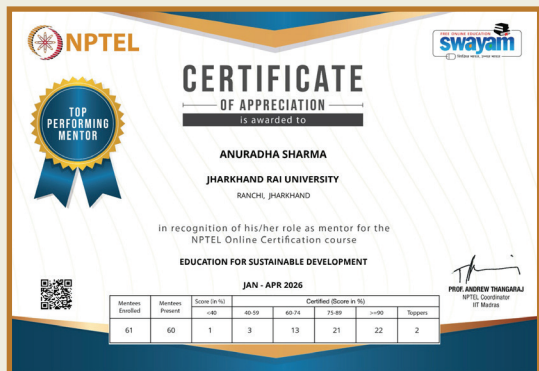
All Participants appreciated the opportunity to present their innovative ideas, receive expert feedback, and learn from the projects demonstrated by other teams. The event significantly enhanced their confidence, communication skills, and practical understanding of technology-driven innovation.



Students with their models

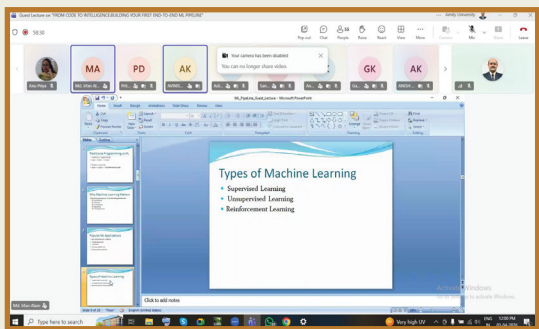
FACULTY'S ACHIEVEMENT

Ms. Anuradha Sharma was awarded the Mentor Certificate for the NPTEL SWAYAM course “Education for Sustainable Development” in June 2026.

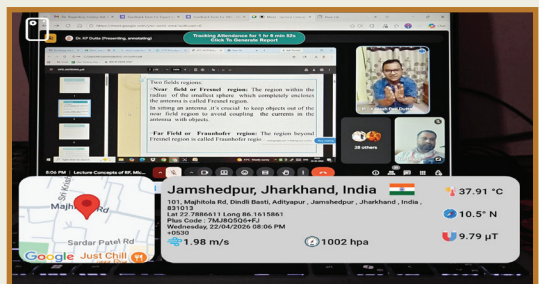


Dr. Kumar Amrendra was invited to serve as a panelist at MY Bharat Budget Quest 2026, organized by MY Bharat, Ministry of Youth Affairs & Sports, Government of India, at the RIMS Auditorium, Ranchi, on 14th April 2026. He participated in the panel discussion on the theme “Future Economy: Digital, Technology and Innovation-Based Economy,” where he shared his experience and discussed the transformative role of digital technologies, innovation, and entrepreneurship in shaping India’s future economy. During the session, he also emphasized that innovation-driven education will strengthen the startup ecosystem, and equip young professionals with future-ready skills to contribute towards the vision of Viksit Bharat 2047.

Md. Irfan Alam delivered a Lecture on “From Code to Intelligence: Building your first end-to-end ML Pipeline” at the Amity Institute of Information Technology, Patna, on 3rd April 2026.



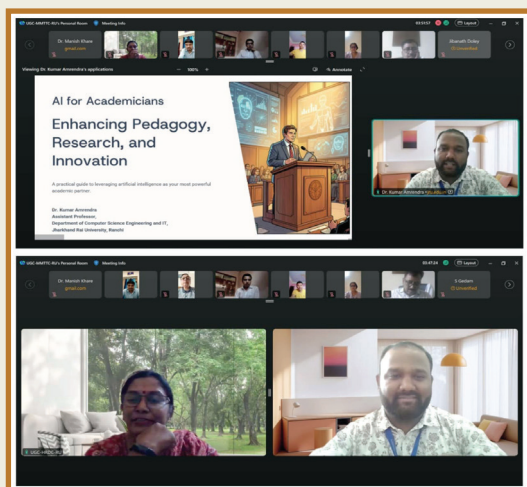
Dr. Kailash Pati Dutta was invited as a Resource Person for a Value Added Course on “Concept of RF, Microwave Engineering and Modern Electronic Systems” conducted by Arka Jain University, Jamshedpur, on 22nd April 2026.



Dr. Kumar Amrendra was conferred the Best Faculty Mentor Award at the AICTE-sponsored Innovation, Design and Entrepreneurship (IDE) Bootcamp 2026, held at Birla Institute of Technology (BIT), Mesra, Ranchi on 24th April 2026.



Dr. Kumar Amrendra was invited as a Resource Person for the Inter/Multi-disciplinary to deliver lecture Refresher Course in Information Technology organized by the UGC-Malaviya Mission Teacher Training Centre (MMTTC). on 18 June 2026, he delivered a lecture on “AI Tools for Academicians: Enhancing Pedagogy, Research and Innovation,” equipping college and university teachers with practical AI applications to enrich teaching, research, and academic innovation.



Dr. Kumar Amrendra served as a Resource Person in the 6-Day National Training Programme on the Integration of Indian Knowledge System (IKS) into Curriculum, organized by the University Grants Commission (UGC) at the Malaviya Mission Teacher Training Centre (MMTTC), IIT (ISM) Dhanbad, on 13th January 2026.



Mr. Rajan Kumar Tiwari has been selected as a Mentor of Mentors for the Jharkhand Grassroot Innovation Internship Scheme 2026, an initiative of the Jharkhand Council on Science, Technology & Innovation (JCSTI).



- **Md. Irfan Alam** was awarded a Certificate of Reviewing by EJCSI (E-ISSN: 3041-4849) in January 2026 for his valuable contribution to the peer-review process.
- **Md. Irfan Alam** received a Certificate of Reviewing from AJECE, Science Publishing Group, New York, USA, in May 2026 in recognition of his scholarly review contributions.
- **Md. Irfan Alam** served as the Editor of the E-Book of Abstracts (RAISD 2025), published under Insights & Innovations (ISBN: 978-81-991265-7-2) in January 2026.
- **Dr. Kailash Pati Dutta** was recognized as a Reviewer for the SCI-indexed International Journal of Electronics, published by Taylor & Francis, in 2026.
- **Dr. Kumar Amrendra** was recognized as a Mentor under the National Mission for Mentoring (NMM), an initiative of the Ministry of Education, Government of India, under the National Education Policy (NEP) 2020, in February 2026.



FACULTY'S RESEARCH PUBLICATION

The Faculty of Computer Science Engineering & Information Technology continued to strengthen its research and academic excellence during the Spring 2026 semester through an impressive record of scholarly publications. Faculty members collectively published 33 research papers (Table-I) in reputed national and international journals, covering emerging areas such as Artificial Intelligence, Machine Learning, Computer Vision, Data Science, Networking, and Advanced Computing. These publications reflect the department's commitment to promoting a vibrant research culture, fostering innovation, and contributing to cutting-edge technological advancements. The sustained research efforts of the faculty not only enhance academic excellence but also enrich teaching, inspire student research, and strengthen industry-academia collaboration.

**Table - 1 : Faculty of Computer Science Engineering
& Information Technology**
Paper Publication Details - SPRING 2026

Sl No.	Name of the faculty	Title of the Paper	Journal	ISSN	Link
1	Anuradha Sharma	Text-To-Image Generation Using AI/ML Model	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 441-448	2583-1062	https://www.ijprems.com/ijprems-volume/volume6-issue5-may2026
2	Anuradha Sharma	Lip Reading Using Machine Learning For Visual Speech Recognition	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 219-225	2583-1062	https://www.ijprems.com/ijprems-volume/volume6-issue5-may2026
3	Anuradha Sharma	Sales Forecasting Using Arima and Linear Regression: A Data-Driven Approach	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 259-264	2583-1062	https://www.ijprems.com/ijprems-volume/volume6-issue5-may2026
4	Anuradha Sharma	Design and Evaluation of a Tmdb-Enriched Content-Based Movie Recommendation System	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 473-476	2583-1062	https://www.ijprems.com/ijprems-volume/volume6-issue5-may2026
5	Dr Md Irfan Alam	Hidden Bias beyond Data: Structural Vulnerabilities in Algorithmic Decision Systems	International Journal of Science and Engineering Applications	2319-7560	DOI:10.7753/IJSEA1505.1019
6	Dr Md Irfan Alam	POS Tagging and Instance-Based Morphological Analysis of Maithili Language: Bridging Low- Resource NLP with Computational Linguistics	International Journal of Science and Engineering Applications	2319-7560	DOI:10.7753/IJSEA1505.1008
7	Dr Md Irfan Alam	Service Hub: Design of a Secure and Optimization-Driven Web- Based Home Service Platform	International Journal of Scientific Research in Engineering and Management (IJSREM)	2582-3930	DOI: 10.55041/IJSREM61109
8	Dr Md Irfan Alam	An Intelligent Fake News Detection Framework Using Machine Learning and Natural Language Processing	International Journal of Scientific Research in Engineering and Management (IJSREM)	2582-3930	DOI: 10.55041/IJSREM60932

9	Dr Md Irfan Alam	Exploratory Data Analysis And Feature Selection For Predictive Modelling Of Elective Course Recommendation Based On Student's Academic Performance	International Journal of Engineering Development and Research	2321-9939	DOI:10.56975/ijedr.v14i1.304537
10	Dr Md Irfan Alam	Security Mechanisms and Vulnerability Detection in Python Packages: A Comprehensive Review	International Journal of Scientific Research in Engineering and Management (IJSREM)	2582-3930	DOI: 10.55041/IJSREM57782
11	Dr. Binod Kumar	An Integrated AI-Based Safety Monitoring Framework for Tower Crane Operations: Assessing Accident Reduction, Fatigue Detection, Behavioural Compliance, and Predictive Maintenance	International Journal of Science and Engineering Applications	ISSN:- 2319 - 7560	DOI: 10.7753/IJSEA1505.1003
12	Dr. Binod Kumar	Eco-Friendly High-Speed Internet for Mountains Regions Using LI-FI	International Journal of Scientific Research in Engineering and Management (IJSREM)	ISSN: 2582-3930	https://ijsrem.com/download/eco-friendly-high-speed-internet-for-mountains-regions-using-li-fi
13	Dr. Binod Kumar	ASSESSING CLIMATE RISKS AND DIGITAL READINESS FOR AIOT-DRIVEN SMART FARMING IN SMALLHOLDER AGRICULTURAL SYSTEMS	JOURNAL OF ADVANCE AND FUTURE RESEARCH	ISSN: 2984-889X	DOI: https://doi.org/10.56975/jaafr.v4i2.503491
14	Dr. Binod Kumar	Design and Performance Evaluation of a Blockchain-IoT Based Security Framework for Secure Academic Operations	International Journal of Engineering Development and Research	ISSN: 2321-9939	DOI: https://doi.org/10.56975/ijedr.v14i1.304268
15	Dr. Kailash Pati Dutta	Explainable Deep Reinforcement Learning for Efficient Security and Stability of Smart Grid	International Journal of Scientific Research in Engineering and Management (IJSREM)	2582-3930	https://ijsrem.com/uploads/production/Explainable-Deep-Reinforcement-Learning-for-Efficient-Security-and-Stability-of-Smart-Grid.pdf
16	Dr. Kailash Pati Dutta	Non-uniform Concentric Elliptical Antenna Array Synthesis Using Adaptive Evolutionary Multi-objective Optimization	International Journal of Science and Research Archive	2582-8185	https://ijsra.net/content/non-uniform-concentric-elliptical-antenna-array-synthesis-using-adaptive-evolutionary-multi
17	Dr. Kailash Pati Dutta	An Investigation on the Optimal Synthesis of Concentric Ring Array Antenna Using Multi-verse Optimization Algorithm	Lecture Notes in Electrical Engineering (Springer)	1876-1100	https://link.springer.com/chapter/10.1007/978-981-95-2584-3_63
18	Dr. Kumar Amrendra	SPAY: UPI FRAUD DETECTION USING MACHINE LEARNING AND RULE-BASED VALIDATION	INTERNATIONAL JOURNAL OF PROGRESSIVE RESEARCH IN ENGINEERING MANAGEMENT AND SCIENCE (IJPREMS), Vol. 06, Issue 04, April 2026, pp : 2132-2137	2583-1062	https://www.doi.org/10.58257/IJPREMS52863

19	Dr. Kumar Amrendra	An Integrated AI-Based Safety Monitoring Framework for Tower Crane Operations: Assessing Accident Reduction, Fatigue Detection, Behavioural Compliance, and Predictive Maintenance	International Journal of Science and Engineering Applications, Volume 15-Issue 05, 18 – 27, 2026	2319 - 7560	DOI: 10.7753/IJSEA1505.1003
20	Dr. Kumar Amrendra	Machine Learning in Healthcare: Transforming Diagnosis, Drug Discovery, and Patient Care with Real-World Challenge	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930	DOI: 10.55041/IJSREM61278
21	Dr. Kumar Amrendra	Artificial General Intelligence: A Comprehensive Study of Concepts, Models, and Limitations	International Journal of Computer Techniques-IJCT Volume 13 Issue 2, March-April - 2026	2394-2231	https://zenodo.org/records/20345479
22	Dr. Kumar Amrendra	Beyond Capacity: Artificial Intelligence as the Catalyst for Next-Generation Cloud Storage Optimization	"International Journal of Science and Engineering Applications Volume 15-Issue 05, 57 – 68, 2026"	2319-7560	DOI: 10.7753/IJSEA1505.1007
23	Dr. Kumar Amrendra	The Architecture of Tomorrow: A Comprehensive Analysis of AI, IOT, Cybersecurity, and Nextgeneration Computing Paradigms	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930	DOI: 10.55041/IJSREM62483
24	Dr. Kumar Amrendra	A Machine Learning and NLP-Based Approach for Efficient Email Spam Detection Using TF-IDF and Logistic Regression	International Journal of Computer Techniques-IJCT Volume 13 Issue 3, May-June - 2026	2394-2231	https://zenodo.org/records/20345303
25	Dr. Kumar Amrendra	"Hidden Bias beyond Data: Structural Vulnerabilities in Algorithmic Decision Systems"	International Journal of Science and Engineering Applications, Volume 15-Issue 05, 107 – 111, 2026	2319-7560	DOI: 10.7753/IJSEA1505.1019
26	Shivangini Bihari	Exploratory Data Analysis And Feature Selection For Predictive Modelling Of Elective Course Recommendation Based On Student's Academic Performance	International Journal of Engineering Development and Research	2321-9939	10.56975/ijedr.v14i1.304537
27	Shivangini Bihari	An Experimental Comparison of Python and Java for Beginner Programming Tasks	International Journal of Science and Engineering Applications	2319 - 7560	10.7753/IJSEA1502.1003
28	Shivangini Bihari	A Study on The Business Model of a Proposed Online Food Delivery Platform	International Journal of Science and Engineering Applications	2319 - 7560	10.7753/IJSEA1412.1017
29	Shivangini Bihari	A Dual-Layer Verification Framework for Efficient Digital Voting System Based on Facial Detection	International Journal of Science and Engineering Applications	2319 - 7560	10.7753/IJSEA1412.1015

30	Chandray Soren	Design and Performance Evaluation of a Blockchain-IoT Based Security Framework for Secure Academic Operations	International Journal of Engineering Development and Research	ISSN: 2321-9939	DOI: https://doi.org/10.56975/ijedr.v14i1.304268
31	Sanjay Kumar Mahto	Assessing Climate Risks and Digital Readiness for Aiot Driven Smart Farming in Smallholder Agricultural Systems	Journal of Advance and Future Research	2984-889X	10.56975/jaaftr.v4i2.503491
32	Sanjay Kumar Mahto	Understanding and Mitigating Hallucinations in Large Language Models Using Retrieval Augmented Generation	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 219-225	2583-1062	https://www.ijprems.com/ijprems-paper/understanding-and-mitigating-hallucinations-in-large-language-models-using-retrieval-augmented-generation
33	Sanjay Kumar Mahto	SPAY: UPI Fraud Detection Using Machine Learning and Rule-Based Validation	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 219-225	2583-1062	https://www.ijprems.com/research-paper/spay-upi-fraud-detection-using-machine-learning-and-rulebased-validation

STUDENTS' ACHIEVEMENT

From Ideas to Impact: Team Honoured as Best Performing Team at AICTE IDE Bootcamp

The Department proudly congratulates Pragya Rani, Rakhi Kumar, Shivam Kumar, Hritik Prajapati, and Neha Reddy for being recognized as the Best Performing Team in the Idea Pitching Session at the Innovation, Design and Entrepreneurship (IDE) Bootcamp, held from 20–24 April 2026 at Birla Institute of Technology (BIT), Mesra, Ranchi.



The five-day bootcamp was organized by the All India Council for Technical Education (AICTE) and provided an excellent platform for aspiring innovators and entrepreneurs to develop creative solutions, refine business ideas, and enhance their entrepreneurial skills. The team's exceptional performance, innovative thinking, and collaborative approach earned them the prestigious recognition of Best Performing Team during the Idea Pitching Session. This remarkable achievement reflects the students' creativity, teamwork, and entrepreneurial mindset while showcasing the department's commitment to nurturing innovation, leadership, and problem-solving skills among its students.

Representing the Department on the National Stage

Pragya Rani of BCA 4th semester brought pride to the department by participating in the National Integration Camp held at Marwari College, Tilka Manjhi Bhagalpur University (T.M.B.U.), Bhagalpur, Bihar, from 4–10 February 2026. The week-long national-level camp brought together students from diverse regions of the country, fostering the spirit of national integration, cultural exchange, leadership, teamwork, and unity in diversity. Through her active participation, Pragya demonstrated enthusiasm, discipline, and a commitment to holistic learning, making the department proud with her representation at this prestigious event.



Students Secured Second Prize at ICACA-2026



The Department proudly congratulates Diksha Kumari Gupta, Ankit Raj, Ankit Kumar, Karn Kumar, Swati Sourabh, and Deepak Kumar for securing the Second Prize in the Poster Presentation Competition at the International Conference on Advanced Computing Applications (ICACA-2026), held on 6–7 March 2026.

The conference was organized by RTC Institute of Technology, Ranchi, in association with Jharkhand University of Technology (JUT) and The Institution of Electronics and Telecommunication Engineers (IETE), in collaboration with the Jharkhand Council of Science, Technology and Innovation, Government of Jharkhand.

The students showcased their research and innovative ideas through an outstanding poster presentation, earning appreciation from the jury and participants. Their achievement reflects the department's commitment to fostering research, innovation, and academic excellence. This prestigious recognition at an international conference is a testament to their hard work, teamwork, and technical competence, bringing immense pride to the department and the University.

ACADEMIC EXCELLENCE

Students Recognized by NPTEL

The Department congratulates Zeenat Praween and Neha Mandal for achieving the distinction of being Top 1% Performers in the NPTEL course "Education for Sustainable Development."



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
ZEENAT PRAWEEEN
for successfully completing the course

Education for Sustainable Development

with a consolidated score of **100 %**

Online Assignments	25/25	Proctored Exam	75/75
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Total number of candidates certified in this course: 21132

Jan-Apr 2026
(12 week course)





Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

Roll No: NPTEL26HS58S1064501529 To verify the certificate  No. of credits recommended: 4



Elite
NPTEL ONLINE CERTIFICATION
(Funded by the MoE, Govt. of India)

This certificate is awarded to
NEHA MANDAL
for successfully completing the course

Education for Sustainable Development

with a consolidated score of **100 %**

Online Assignments	25/25	Proctored Exam	75/75
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Total number of candidates certified in this course: 21132

Jan-Apr 2026
(12 week course)





Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur

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This outstanding accomplishment reflects their exceptional academic performance, dedication to continuous learning, and commitment to gaining knowledge beyond the classroom. Securing a position among the Top 1% of learners nationwide is a remarkable achievement that demonstrates their perseverance, intellectual excellence, and passion for quality education. The department applauds their success and takes pride in their achievement, which serves as an inspiration for fellow students to actively engage in online learning and strive for academic excellence.

Advancing Skills in Semiconductor Technology

The Department congratulates Sukhlal Gagrai for successfully participating in the Advanced Training Program on Semiconductor Fabrication & Characterization, conducted from 26 March to 8 April 2026.

The intensive training program provided hands-on exposure to semiconductor fabrication processes, characterization techniques, and emerging technologies in the semiconductor domain. Through active participation, Sukhlal enhanced his technical knowledge and practical skills in one of the fastest-growing areas of modern electronics and computing.

This achievement reflects his commitment to continuous learning, technical excellence, and professional development, while bringing pride to the department through his participation in an advanced skill-development programme.



STUDENTS' RESEARCH PUBLICATION

The students of the Faculty of Computer Science Engineering & Information Technology demonstrated remarkable research excellence during the Spring 2026 semester, with 62 students successfully publishing their research work in reputed national and international journals. Students from BCA, B.Tech. CSE, and MCA actively contributed to research in emerging domains such as Artificial Intelligence, Machine Learning, Cybersecurity, Networking, Data Science, Software Engineering, and Intelligent Computing. These accomplishments reflect the department's strong emphasis on research-oriented learning, innovation, and academic excellence. By encouraging students to engage in scholarly research and publications, the department continues to foster analytical thinking, technical expertise, and a culture of innovation, preparing graduates to contribute effectively to academia, industry, and the global research community.

Research Paper Publication Details - SPRING 2026

Sl. No.	Title of paper	Name of the author/s	Program	Name of journal	ISSN number
1	Eco-Friendly High-Speed Internet for Mountains Regions Using LI-FI	Komal Kumari	B.Tech CSE	International Journal of Scientific Research in Engineering and Management (IJSREM), F54Volume: 10 Issue: 05 May - 2026	2582-3930
2	Eco-Friendly High-Speed Internet for Mountains Regions Using LI-FI	Tarkeshwar Prasad	B.Tech CSE	International Journal of Scientific Research in Engineering and Management (IJSREM), F54Volume: 10 Issue: 05 May - 2026	2582-3930
3	"Hidden Bias beyond Data: Structural Vulnerabilities in Algorithmic Decision Systems"	Syed Ahmad Abdullah	B.Tech CSE	International Journal of Science and Engineering Applications, Volume 15-Issue 05, 107 – 111, 2026	2319-7560
4	"Hidden Bias beyond Data: Structural Vulnerabilities in Algorithmic Decision Systems"	Sandhya Kumari	B.Tech CSE	International Journal of Science and Engineering Applications, Volume 15-Issue 05, 107 – 111, 2026	2319-7560
5	SPAY: UPI Fraud Detection Using Machine Learning And Rule-Based Validation	Aman Kumar Nonia	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 04, April 2026, pp : 2132-2137	2583-1062

6	SPAY: UPI Fraud Detection Using Machine Learning And Rule-Based Validation	Alok Kumar	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 04, April 2026, pp : 2132-2137	2583-1062
7	SPAY: UPI Fraud Detection Using Machine Learning And Rule-Based Validation	Kundan Kumar	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 04, April 2026, pp : 2132-2137	2583-1062
8	SPAY: UPI Fraud Detection Using Machine Learning And Rule-Based Validation	Diksha	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 04, April 2026, pp : 2132-2137	2583-1062
9	Machine Learning in Healthcare: Transforming Diagnosis, Drug Discovery, and Patient Care with Real-World Challenge	Samridhi Kumari	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
10	Machine Learning in Healthcare: Transforming Diagnosis, Drug Discovery, and Patient Care with Real-World Challenge	Krish Kant Gupta	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
11	Machine Learning in Healthcare: Transforming Diagnosis, Drug Discovery, and Patient Care with Real-World Challenge	Divyanshu Mishra	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
12	Machine Learning in Healthcare: Transforming Diagnosis, Drug Discovery, and Patient Care with Real-World Challenge	Aditya Krishnatra	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
13	Service Hub: Design of a Secure and Optimization-Driven Web-Based Home Service Platform	Vivek Sharma	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
14	Service Hub: Design of a Secure and Optimization-Driven Web-Based Home Service Platform	Nidhi Kumari	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
15	Service Hub: Design of a Secure and Optimization-Driven Web-Based Home Service Platform	Sonu Yadav	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
16	Service Hub: Design of a Secure and Optimization-Driven Web-Based Home Service Platform	Nikhil Rana	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
17	An Intelligent Fake News Detection Framework Using Machine Learning and Natural Language Processing	Ankit Raj	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
18	An Intelligent Fake News Detection Framework Using Machine Learning and Natural Language Processing	Ashish Soni	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
19	An Intelligent Fake News Detection Framework Using Machine Learning and Natural Language Processing	Anup Kumar	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930
20	An Intelligent Fake News Detection Framework Using Machine Learning and Natural Language Processing	Kabir Kumar	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 04 April - 2026	2582-3930

21	Artificial General Intelligence: A Comprehensive Study of Concepts, Models, and Limitations	Aboni Mohan Sahu	BCA	International Journal of Computer Techniques–IJCT Volume 13 Issue 2, March-April - 2026	2394-2231
22	Artificial General Intelligence: A Comprehensive Study of Concepts, Models, and Limitations	Rohit Kumar Yadav	BCA	International Journal of Computer Techniques–IJCT Volume 13 Issue 2, March-April - 2026	2394-2231
23	Artificial General Intelligence: A Comprehensive Study of Concepts, Models, and Limitations	Ajay Kumar	BCA	International Journal of Computer Techniques–IJCT Volume 13 Issue 2, March-April - 2026	2394-2231
24	Artificial General Intelligence: A Comprehensive Study of Concepts, Models, and Limitations	Zaid Alam	BCA	International Journal of Computer Techniques–IJCT Volume 13 Issue 2, March-April - 2026	2394-2231
25	Beyond Capacity: Artificial Intelligence as the Catalyst for Next-Generation Cloud Storage Optimization	Dhiraj Kumar	BCA	"International Journal of Science and Engineering Applications Volume 15-Issue 05, 57 – 68, 2026"	2319-7560
26	Beyond Capacity: Artificial Intelligence as the Catalyst for Next-Generation Cloud Storage Optimization	Rohit Kumar	BCA	"International Journal of Science and Engineering Applications Volume 15-Issue 05, 57 – 68, 2026"	2319-7560
27	Beyond Capacity: Artificial Intelligence as the Catalyst for Next-Generation Cloud Storage Optimization	Utkarsh Kumar	BCA	"International Journal of Science and Engineering Applications Volume 15-Issue 05, 57 – 68, 2026"	2319-7560
28	Beyond Capacity: Artificial Intelligence as the Catalyst for Next-Generation Cloud Storage Optimization	Mantu Kumar	BCA	"International Journal of Science and Engineering Applications Volume 15-Issue 05, 57 – 68, 2026"	2319-7560
29	Beyond Capacity: Artificial Intelligence as the Catalyst for Next-Generation Cloud Storage Optimization	Sandeep Kumar	BCA	"International Journal of Science and Engineering Applications Volume 15-Issue 05, 57 – 68, 2026"	2319-7560
30	The Architecture of Tomorrow: A Comprehensive Analysis of AI, IOT, Cyber Security, and Next Generation Computing Paradigms	Aachal Kumari	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930
31	The Architecture of Tomorrow: A Comprehensive Analysis of AI, IOT, Cyber Security, and Next Generation Computing Paradigms	Kashish Soni	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930
32	The Architecture of Tomorrow: A Comprehensive Analysis of AI, IOT, Cyber Security, and Next Generation Computing Paradigms	Ritu Kshma	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930
33	Understanding and Mitigating Hallucinations in Large Language Models Using Retrieval Augmented Generation	Shristi Kumari	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 04, April 2026, pp : 2195-2199	2583-1062
34	Understanding and Mitigating Hallucinations in Large Language Models Using Retrieval Augmented Generation	Satish Yadav	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 04, April 2026, pp : 2195-2199	2583-1062
35	The Impact of Artificial Intelligence on Data Analytics	Aryan Kumar Singh	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930

36	The Impact of Artificial Intelligence on Data Analytics	Sourav Raj	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930
37	The Impact of Artificial Intelligence on Data Analytics	Piyush Mishra	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930
38	The Impact of Artificial Intelligence on Data Analytics	Kundan Kumar Yadav	BCA	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 10 Issue: 05 May - 2026	2582-3930
39	A Machine Learning and NLP-Based Approach for Efficient Email Spam Detection Using TF-IDF and Logistic Regression	Amisha Kumari	BCA	International Journal of Computer Techniques-IJCT Volume 13 Issue 3, May-June - 2026	2394-2231
40	A Machine Learning and NLP-Based Approach for Efficient Email Spam Detection Using TF-IDF and Logistic Regression	Smriti Kumari	BCA	International Journal of Computer Techniques-IJCT Volume 13 Issue 3, May-June - 2026	2394-2231
41	A Machine Learning and NLP-Based Approach for Efficient Email Spam Detection Using TF-IDF and Logistic Regression	Pushpa Kumari	BCA	International Journal of Computer Techniques-IJCT Volume 13 Issue 3, May-June - 2026	2394-2231
42	A Machine Learning and NLP-Based Approach for Efficient Email Spam Detection Using TF-IDF and Logistic Regression	Sanjyoti Kumari	BCA	International Journal of Computer Techniques-IJCT Volume 13 Issue 3, May-June - 2026	2394-2231
43	Design and Evaluation of a TMDB-Enriched Content-Based Movie Recommendation System	Minal Sinha	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 473-476	2583-1062
44	Design and Evaluation of A TMDB-Enriched Content-Based Movie Recommendation System	Harshit Aryan	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 473-476	2583-1062
45	Design and Evaluation of A TMDB-Enriched Content-Based Movie Recommendation System	Harshit Kumar	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 473-476	2583-1062
46	Design and Evaluation of A TMDB-Enriched Content-Based Movie Recommendation System	Nilesh Kumar	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 473-476	2583-1062
47	Text-to-Image Generation Using AI/ML Model	Deepak Kumar Verma	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 441-448	2583-1062
48	Text-to-Image Generation Using AI/ML Model	Abhishek Kumar	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 441-448	2583-1062
49	Text-to-Image Generation Using AI/ML Model	Rishu Kumar	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREAMS), Vol. 06, Issue 05, May 2026, pp : 441-448	2583-1062

50	Text-to-Image Generation Using AI/ML Model	Yasmin Sultana	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 05, May 2026, pp : 441-448	2583-1062
51	Text-to-Image Generation Using AI/ML Model	Nilesh Beck	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 05, May 2026, pp : 441-448	2583-1062
52	Lip Reading Using Machine Learning For Visual Speech Recognition	Priya Kumari	BCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 05, May 2026, pp : 219-225	2583-1062
53	An Integrated AI-Based Safety Monitoring Framework for Tower Crane Operations: Assessing Accident Reduction, Fatigue Detection, Behavioural Compliance, and Predictive Maintenance	Avinash Singh Munda	MCA	International Journal of Science and Engineering Applications, Volume 15-Issue 05, 18 – 27, 2026	2319 - 7560
54	Sales Forecasting Using Arima and Linear Regression: A Data-Driven Approach	Hashmi Raza	MCA	International Journal of Progressive Research in Engineering Management and Science(IJPREMS), Vol. 06, Issue 05, May 2026, pp : 259-264	2583-1062
55	Sales Forecasting Using Arima and Linear Regression: A Data-Driven Approach	Zeba Afrin	MCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 05, May 2026, pp : 259-264	2583-1062
56	Sales Forecasting Using Arima and Linear Regression: A Data-Driven Approach	Supriya Kumari	MCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 05, May 2026, pp : 259-264	2583-1062
57	Sales Forecasting Using Arima and Linear Regression: A Data-Driven Approach	Yasmin Parween	MCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 05, May 2026, pp : 259-264	2583-1062
58	Sales Forecasting Using Arima and Linear Regression: A Data-Driven Approach	Lal Chand Mahto	MCA	International Journal of Progressive Research in Engineering Management and Science (IJPREMS), Vol. 06, Issue 05, May 2026, pp : 259-264	2583-1062



Editorial

Milestones of the Department

It gives me great pleasure to present Volume II – Issue Spring 2026 of “PROUDYOGAM”, the biannual newsletter of the Faculty of Computer Science Engineering & Information Technology, Jharkhand Rai University, Ranchi. As we continue this initiative, I am delighted to share another edition that reflects the remarkable academic, research, innovation, and outreach activities carried out by our faculty and students.



Over the past few months, the Faculty of CSE & IT has continued its commitment to excellence by organizing technical workshops, expert lectures, industry interactions, innovation and entrepreneurship activities, placement initiatives, collaborative programmes, and student-centric events. Our students have also brought laurels to the university through their achievements in academics, certifications, competitions, research, and extracurricular engagements. This edition captures these milestones and highlights the collective efforts that strengthen our academic ecosystem. In today's rapidly evolving technological landscape, continuous learning, innovation, and collaboration are essential. Through this newsletter, we aim not only to document our achievements but also to inspire our students and faculty members to pursue excellence, embrace emerging technologies, and contribute meaningfully to society. I extend my heartfelt gratitude to all the faculty members, students, alumni, and contributors whose dedication and enthusiasm have made this edition possible. Their unwavering support continues to enrich the learning environment of our department. I hope this edition of Proudtyogam serves as a source of inspiration, knowledge, and pride for our academic community. Let us continue to innovate, collaborate, and achieve new milestones together.

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