



JUIT
IEEE Student Branch



JUIT IEEE STUDENT Branch Chapter



A NEWSLETTER OF JUIT Hilly Ramblings

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Jaypee University of Information Technology, Waknaghat

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PATENTS

Patent Granted:

- **“Method of Fabrication and arrangement of Anti-Glare Glass for Avoiding accidents of Road”**
Inventors: Archit Kaushal, Shruti Jain, Sudhir Kumar, Aman Sharma, Saurabh Rawat
Patent Number: 581461
Date: Feb 24, 2026
Application Number: 202311029769



Patent Published:

- **“A System and a Method to remove Water Vapour from Biogas in Low-Cost Reactors”**
Inventors: Karam Dass, Sudhir Kumar, Ashish Kumar
Application Number: 202511115531
Date: Jan 09, 2026
- **“A Method and a system for AI-based Personalized Learning using Blockchain and Cognitive Feedback”**
Inventor: Anubhav Kumar
Application Number: 202511117939
Date: Jan 09, 2026

Patent Filed:

- **“A Method and System for AI-Driven Multiomics Decision Intelligence for Precision Medicine in Breast Cancer”**
Inventors: Devansh Kalia, Aarika Jain, Rajkumar, Tiratha Raj Singh
Application Number: 202611011245
Date: February 3, 2026
- **“A System and Method for Metal Recovery from E-Waste Using Microbial Culture Waste”**
Inventors: Tuba Khan, Sudhir Kumar, Rajesh K. Sani, Parveen Kumar
Application number: 202611019183
Date: February 19, 2026

PhD COMPLETED

- **Ms. Anupama Jamwal (ECE-216001)** successfully defended her Ph.D. Thesis on February 4, 2026.
Title: Multimodal Medical Image Fusion Employing Empirical Wavelet Transform for Detection of Brain Tumour
Supervisor: Prof. Shruti Jain
- **Ms. Neha Sharma (CSE-206203)** successfully defended her Ph.D. thesis on February 17, 2026
Title: A Privacy and Security Preserving Framework for Smart Home IoT Network
Supervisor: Dr. Pankaj Dhiman

ALUMNI UPDATES

- Rama Kant Saxena, alumnus of B.Tech, CSE (2009–10), is working as a Principal Application Engineer at Discover Financial Services, U.S. LinkedIn: <https://www.linkedin.com/in/jatinsaxena>
- Sunil Kumar Verma, alumnus of B.Tech, CSE (2009–10), is working as a Senior Product and Engineering Manager at Pharmadata Oy, Finland. LinkedIn: <https://www.linkedin.com/in/ujjwalmairh>
- Satish Chandra Rai, alumnus of B.Tech, CSE (2009–10), is working as a Data Architect at American Express, U.S. LinkedIn: <https://www.linkedin.com/in/rai-abhishek>
- Dhyan Singh Verma, alumnus of B.Tech, CSE (2009–10), is working as a Scrum Master (Azure Data Platform) at Ahold Delhaize (Freelancer), Belgium. LinkedIn: <https://www.linkedin.com/in/ashish-kumar-tyagi-192a9058/>
- Ajay Lalwani, alumnus of B.Tech, CSE (2009–10), is working as a Senior Consultant at SAS, India. LinkedIn: <https://www.linkedin.com/in/aashish-jain-cfcs-59103b80>
- Madan Lal, alumnus of B.Tech, CSE (2009–10), is working as an Advisory Manager at Deloitte, India. LinkedIn: <https://www.linkedin.com/in/arundhiman>
- B.P. Shrivastava, alumnus of B.Tech, CSE (2009–10), is working as a Software Engineering Manager at Netflix, U.S. LinkedIn: <https://www.linkedin.com/in/utkarshshrivastava>
- Ravinder Kumar Sharma, alumnus of B.Tech, CSE (2009–10), is working as a Staff Software Engineer at Truecaller, Sweden. LinkedIn: <https://www.linkedin.com/in/praphull8888>
- Pyare Lal Srivastava, alumnus of B.Tech, CSE (2009–10), is working as a Senior Software Engineer at Silicon Valley Bank, India. LinkedIn: <https://www.linkedin.com/in/vivek-kumar-b8076525>
- Rameshwar Sharma, alumnus of B.Tech, CSE (2009–10), is working as a Vice President at Deutsche Bank, Germany. LinkedIn: <https://www.linkedin.com/in/arvind-k-sharma-193bb276>
- Ramesh Kumar Modi, alumnus of B.Tech, CSE (2009–10), is based in Andhra Pradesh, India. LinkedIn: <https://www.linkedin.com/in/anchal-modi-609740178>
- Dr. Sikander Gupta, alumnus of B.Tech, CSE (2009–10), is working as a Senior Associate Consultant at Infosys, India. LinkedIn: <https://www.linkedin.com/in/anubhav-mahajan-b6aa74618>
- V.K. Jha, alumnus of B.Tech, CSE (2009–10), is working as a Technical Consultant at Infosys, U.K. LinkedIn: <https://www.linkedin.com/in/dheeraj-jha-2427981298>
- Shyam Sunder, alumnus of B.Tech, CSE (2009–10), is working as a Senior Information Security and Compliance Manager at Genesys, Ireland. LinkedIn: <https://www.linkedin.com/in/bharat-khanna-cisa-4834392b8>
- Arun Kumar Agarwal, alumnus of B.Tech, CSE (2009–10), is working as a Senior Consultant at Infosys Consulting, India. LinkedIn: <https://www.linkedin.com/in/richa-agarwal-21bb2b18/8>

WORKERS' DAY

The Workers' Day was celebrated on 2nd January 2026 to commemorate the birth anniversary of Shri Jaiprakash Gaur Ji. The event was organized to honor and appreciate the invaluable contributions of the workforce that plays a vital role in the smooth functioning and development of the institution. The celebration commenced with a Hawan ceremony, conducted to invoke blessings and foster a spiritually enriching environment. The ceremony witnessed active participation from faculty members, staff, and workers.

This was followed by the flag hoisting ceremony, led by the Vice-Chancellor. The ceremony symbolized unity, respect, and collective responsibility towards the institution and its values. An Oath-Taking Ceremony was then conducted, where all attendees reaffirmed their commitment to sincerity, discipline, and excellence in their respective roles. The oath emphasized teamwork, dedication, and the importance of maintaining high professional standards. One of the key highlights of the event was the Best Worker Award ceremony, where outstanding workers were recognized for their dedication, hard work, and exceptional service.

The celebration concluded with a Special Lunch, arranged for all workers and staff. This provided an opportunity for everyone to come together, interact, and celebrate in a spirit of unity and appreciation. Overall, the Workers' Day celebration served as a meaningful tribute to the workforce and reinforced the values of respect, recognition, and collective effort within the institution.



ADMISSION BROCHURE 2026-27



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

Waknaghat, Solan, Himachal Pradesh



PROGRAMS OFFERED

Admissions Open 2026-27



UG Programs

BTECH

- Computer Science & Engineering
- CSE With Specialization in Cyber Security / UX-UI Design / Full Stack Software Development
- Artificial Intelligence & Machine Learning
- Artificial Intelligence & Data Science
- Electronics & Communication Engineering
- Electronics & Computer Science
- Electronics Engineering (VLSI Design & Technology)
- Information Technology
- Mathematics & Computing
- Bioinformatics
- Biotechnology
- Civil Engineering

BBA

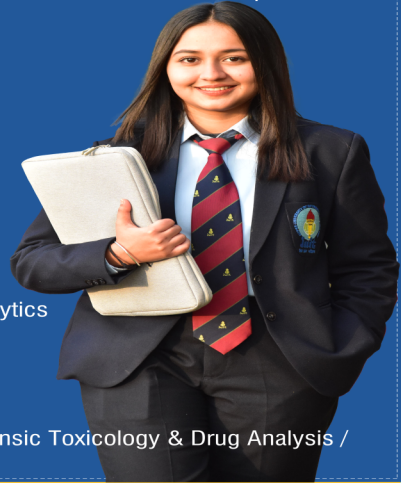
- With Specialization in Finance /Marketing /HR /Business Analytics

BCA

- With Specialization in AI-ML / AI-DS

BSc: Forensic Science

- With Specialization in Forensic Biology & DNA Analysis /Forensic Toxicology & Drug Analysis / Multimedia Forensic /Cyber Forensic



PG Programs

MSc

- Biotechnology (DBT Sponsored 10 Seats through GAT-B)
- Microbiology

MTECH

- Biotechnology, Computer Science & Engineering (Information Security, Data Science)
- Civil Engineering (Construction Management, Environmental Engineering, Structural Engineering)
- Electronics & Communication Engineering (Internet of Things)

MBA

- With Specialization in Information Technology & Business Analytics /Finance /Marketing / HR /Fintech

Doctoral Programs (PhD) in all stream

MTech

Teaching Assistantship:

₹15,000/Month



Doctorate (PhD)

Fellowship:

₹45,000/Month



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Admission Queries: 01792-239360/560, 7807868400/600

Waknaghat, Tehsil-Kandaghat, Distt-Solan, 173234, (H.P.) India

VISITS AND LECTURES BY EXPERTS

Expert Talk on Aerospace Technology

Dr. Changduk Kong, distinguished Professor at Kunsan National University, Republic of Korea, visited JUIT on January 27-28, 2026 and delivered an expert lecture, sharing his academic journey and professional experiences in Aerospace Engineering, Composite Structures,



and Aero Gas Turbine Technology. The lecture was organized by the Department of Civil Engineering in association with the International Collaboration Center. Prof. Kong is widely recognized for his significant contributions to aerospace engineering in South Korea, where he led pioneering development projects, including Korea's first small jet engine and a wind turbine system. The session was highly engaging and inspiring, providing faculty members and participants with valuable insights into advancements and innovations in aerospace.

Collaboration Talks between University of Sao Paulo, Brazil and JUIT

Prof. Anuj Kumar Chandel from the University of São Paulo (USP), Brazil, visited JUIT from 9–11 January



2026, with the objective of strengthening international academic collaboration, research cooperation, and

knowledge exchange. Prof. Chandel discussed with our Hon'ble Vice Chancellor Prof. Rajendra Kumar Sharma, prospects for international collaboration, joint research initiatives, faculty and student exchange programs, and long-term academic partnership between two universities. In a collective gathering of Deans and HoDs, the possibility of an academic collaboration between USP and JUIT was discussed, focusing on joint research guidance, collaborative publications, and joint research projects. Prof. Chandel also delivered a technical lecture titled "Technical Lignins in the Carbon Neutral Economy: Fundamentals and Commercialization," highlighting recent global advancements and emerging research trends in the field, which was attended by faculty members, research scholars, undergraduate and postgraduate students, and followed by an engaging question-and-answer session.

Academic Discussion with Image-Processing and Bio-Medical Expert

Prof. J.S. Sahambi, a distinguished academician at IIT



Ropar with expertise in signal and image processing, biomedical signal analysis, and embedded DSP systems, visited JUIT on January 30 and interacted with the faculty and Ph.D. research scholars of ECE Department. The purpose of the session was to provide faculty members with exposure to current trends, research insights, and practical applications in the expert's domain. The interaction aimed to foster academic collaboration, and enrich teaching methodologies. Faculty members actively participated in discussions, raising questions related to pedagogy, research directions. Real-world case studies and examples were shared, bridging the gap between theoretical concepts and practical implementation.

INAUGURATION OF RESEARCH ORIENTED DROBOTICS LAB

The Drobotics Lab at JUIT was formally inaugurated on January 21, 2026 by the Hon'ble Vice Chancellor. The lab has been established with the objective of promoting hands-on learning, innovation, and project-based education in the domains of robotics, automation, embedded systems, and AI-based technologies. As part of the inauguration, an exhibition showcasing the facilities and equipment available in the Drobotics Lab was organized. The interactive demonstrations created an engaging and enthusiastic atmosphere among students,

faculty members, and guests. Students actively explained the objectives of the lab and highlighted its role in fostering research, innovation, and industry-relevant skill development. The exhibition provided participants with a comprehensive overview of the lab's resources and illustrated how these facilities can be utilized for developing real-world applications and collaborative research initiatives. The funding support of management, and efforts of ECE department faculty members were instrumental in establishing this facility.

जेपी विवि में ड्रोबोटिक्स प्रयोगशाला का उद्घाटन

हिनावासर दलक ■ सोलन

जेपी सूचना प्रौद्योगिकी विश्वविद्यालय सोलन में ड्रोबोटिक्स प्रयोगशाला का विभिन्न उद्घाटन किया गया। यह प्रयोगशाला विश्वविद्यालय में अनुसंधान, प्रौद्योगिकी-आधारित और प्रौद्योगिकी-केंद्रित शिक्षा को प्रभावित करने की दिशा में

■ तकनीकी शिक्षा को गिला नया आयाम एक महत्वपूर्ण कदम है। इस लेख को

स्थापना रोबोटिक्स, स्वचालन, एम्बेडेड सिस्टम और इंटरनेट-आधारित प्रौद्योगिकी प्रदर्शन और नवाचार को बढ़ावा देने के उद्देश्य से की गई है। उद्घाटन समारोह का शुभारंभ विश्वविद्यालय के कुलपति प्रो. आरके शर्मा ने



विन काटकर किया। इस अवसर पर उन्होंने छात्रों को नवाचार, रचनात्मक सोच और व्यावहारिक कौशल विकसित करने के लिए प्रेरित किया तथा विश्वविद्यालय की उद्योग-उन्मुख शिक्षा नीति पर प्रकाश डाला। कार्यक्रम के दौरान प्रदर्शनी में प्रदर्शित रोबोटिक कृता आकर्षण का केंद्र रहा। ड्रोबोटिक्स लेब में उत्कृष्ट सुविधाओं और

उत्कृष्टों की विशेष प्रदर्शनी भी आयोजित की गई। इसमें इंटरैक्टिव रोबोटिक कृता, एनर्जीटा के जेटसन नैरो बॉडी और जेटसन थोर सॉल्ट पुराई एवं एन-एनएडिंग उपकरण, विभिन्न अर्थव्यवस्था के लिए उद्योग, रोबोटिक कारों तथा अन्य रोबोटिक मॉड्यूल और उत्कृष्ट प्रदर्शित किए गए।

ACCELERATED MASTER'S AND EXCHANGE PROGRAMS

Under the newly launched Accelerated Master's Program with SD Mines, JUIT B.Tech. students now have the opportunity not only to complete their 8th semester in the United States, as per earlier practice, but also to transition directly into a fast-track Master's degree. The

Prof. Rajesh Sani, Distinguished Professor and Director (MASON), SD Mines. The program aims to provide advanced academic exposure and research-oriented training through this international collaboration.



program enables selected and performing students to begin their research during the final semester of B.Tech., take advanced coursework, and qualify for tuition fee coverage. As part of this initiative, Pragati Pandey (Delhi) and Nidhi Kapatia (Amritsar), both B.Tech. Biotechnology students at JUIT joined SD Mines the laboratory of



ary 2026

Satvik (Mandi, Himachal Pradesh), a final-year B.Tech. student in Computer Science Engineering at JUIT, joined the University of Florida, under the Student Exchange Program, further strengthening JUIT's global academic presence.

The students joined their respective universities in January

MOU WITH FLORIDA A&M UNIVERSITY (FAMU)

JUIT, Wagnaghat and Florida Agricultural and Mechanical University (FAMU), Tallahassee, USA, have entered into a partnership to promote collaborative research and academic engagement. A key area of cooperation under this initiative will be students' exchange for research activities. The MoU framework evolved from academic discussions held during the visit of Prof. Ashvini Chauhan of FAMU to JUIT. The partnership will facilitate joint research supervision and international research exposure to students and faculty of both Universities.

AWARDS/ HONOURS

- Mr. Dipak Kumar Shaw, M.Sc. Microbiology student (Roll No. 245112001), won the Second Prize in the Poster Presentation category for his poster titled “Exploration of *Saccharomyces boulardii* as a Biocontrol Agent against *Fusarium oxysporum*”, under the guidance of Dr. Jata Shankar.
- Ms. Swati Rulyan, Ph.D. student (Roll No. 206551), secured first position in the Oral Presentation category for her poster titled “Phylogeny, Genetic Diversity estimates in chattisgarhi, chilika and kalahandi buffaloes of North East India through the high density SNP’s genotyping”, at the International Conference on Advances in Biosciences & Biotechnology (ICABB-2026), held at Jaypee Institute of Information Technology (JIIT), Noida under the guidance of Dr. Udayabanu M.
- Ms. Megha Puri, Ph.D. student (Roll No. 246551), won the second prize in the poster presentation for her work titled “AI-Driven Antimicrobial Discovery: Harnessing Artificial Intelligence to Combat Antimicrobial Resistance”, carried out under the guidance of Dr. Jitendraa Vashist.
- The Outstanding Emerging Student Branch Award 2025 was conferred IEEE JUIT Student Branch by IEEE India Council in recognition of its exceptional growth, innovation, and impactful activities.
- Ms. Shruti Sharma, B.Tech CSE 3rd Year student (Roll No. 231030288), and Chairperson of Women in Engineering (WIE), IEEE JUIT Student Branch, has been awarded the Outstanding WIE Student Volunteer Award 2025 by IEEE india council..

FACULTY CORNER

- **Dr. Ekta Gandotra & Dr. Deepak Gupta**, Department of CSE & IT, served as a Judge at 'AIU International Anveshan 2025-26 (Engineering & Technology track), a prestigious national innovation platform by the Association of Indian Universities (AIU), held at Shoolini University, evaluating top-ranked student innovation projects selected through nationwide zonal competitions on Feb 24, 2026.
- **Sh. Akash Bhardwaj & Dr. Rishi Rana Kalia**, Department of CE, attended one week FDP on “Sustainability in Mechanical and Civil Engineering” organized by the Department of Mechanical Engineering and Department of Civil Engineering, Jaypee University of Engineering & Technology, Guna (M.P.), India from February 17-21, 2026.
- **Sh. Akash Bhardwaj**, Department of CE, attended webinar on “Sustainable Material and Efficient Technologies for Green Building,” organized by the JUIT Student Chapter of IGBC on 04 February 2026.
- **Prof. Shruti Jain** organized two one-week workshops under IEEE WIE India Council : “IGNITE: Innovation and Entrepreneurship Development” (IGNITE–IED) (Feb 23–27, 2026) and AI Impact Week - From Intelligent Algorithms to Transformative Real-world Solutions (Mar 16–20, 2026), promoting innovation, entrepreneurship, and real-world AI applications among participants.
- **Prof. Jata Shankar** was the Invited speaker at ICABB 2026- JIIT NOIDA held from 28–30 January 2026 at JIIT, Noida, presented talk entitled 'Deciphering Aspergillus-host Interaction through Integrated Omics Approaches' on 29 Jan, 2026.
- Pankaj Sharma, **Prof. Hemant Sood** and R S Chauhan 2026, published a book entitled Climate Resilience and Molecular Adaptation in Alpine Medicinal Plants: Ecophysiology, Metabolism and Plantomics. Publisher Springer Singapore. ISBN(978-981-95-6922-9) <https://link.springer.com/book/10.1007/978-981-95-6923-6> eBook ISBN978-981-95-6923-6 on 06 Feb,2026.
- **Prof. Hemant Sood** has Awarded with Innovation Amabassador Training of Foundation and Advanced level Certificate with 30 +30 contact hrs and 16+16 sessions organized by MoE’s Innovation Cell and AICTE on 6 Feb, 2026.

INNOVATE TO EXCEL

Inaugural Ceremony & Industry Leadership Conclave

The Inaugural Ceremony and Industry Leadership Conclave marked the formal commencement of Innovate to Excel – 2nd Edition on 20 February 2026 from 03:00 PM at JIT Auditorium. Organized under the guidance of the Institution’s Innovation Council, the event set the



in Hybrid Tech Ecosystems” featured Ekant Agarwal, Hitesh Gulati, Anuradha Chawla, and Jas K Shan, focusing on hybrid work adaptation, team performance, industry expectations, and innovation. A rapid-fire round added engaging insights. The event concluded with an interactive Q&A session addressing career planning, entrepreneurship, and future industry trends. The session enhanced students’ industry awareness, clarified career pathways, and encouraged innovation. Overall, the event established a strong foundation for the initiative, connected participants with industry leaders, and strengthened the innovation-driven and career-oriented ecosystem at Jaypee University of Information Technology.

Hacking Hills– A 24 Hour Inter-College Hackathon

Hacking Hills 2026, organized during February 21-22 by the Institution’s Innovation Council, was a 24-hour inter-college hackathon held as the flagship event of Innovate to Excel – 2nd Edition.

The event began with a structured briefing, followed by intensive brainstorming and development. Teams worked overnight on backend and frontend development, API integration, debugging, and UI refinement to build functional prototypes. On Day 2, participants presented their solutions, highlighting problem relevance, technical architecture, scalability, and impact potential before an esteemed panel of faculty judges.

With participation from over 200 students across diverse teams, Hacking Hills successfully fostered collaboration, endurance, leadership, and real-world problem-solving, reinforcing a strong culture of innovation and entrepreneurship at JIT.



tone for the multi-day innovation initiative. The Industry Leadership Conclave 2026 witnessed active participation from students and faculty members across departments. The event began with keynote addresses by distinguished speakers. Mr. Sandeep Jain, Founder and CEO of Geeks-forGeeks, shared valuable insights on building scalable technology platforms, skill development, and enhancing industry readiness and Ms. Ritika Singh, Founder of Kontent Factory, highlighted the significance of authentic branding, strategic content creation, and effective digital positioning in today’s competitive landscape. The panel discussion on “Building Performance Culture



Lens Scope: A Three-Day Photography Competition

Lens Scope, organized by ACM JUIT in collaboration with IIC SB JUIT under Innovate to Excel – 2nd Edition on 21 February 2026, was a three-day online photography competition celebrating creativity and visual story-



telling. Conducted in individual mode, the event invited students to submit original photographs through an online platform. Basic editing was permitted, while heavy manipulation and plagiarism were strictly prohibited to ensure authenticity.

Participants explored diverse themes including nature, daily life, architecture, and abstract perspectives. Entries were evaluated on creativity, composition, visual impact, storytelling, and technical quality. With enthusiastic participation from students across batches, the competition highlighted artistic talent beyond technical domains. Lens Scope successfully promoted creative expression and reinforced that innovation also thrives through perspective and visual imagination.

The Final Statement: A High-Intensity Startup Crisis Simulation



The Final Statement, organized by TIEDC at JUIT on February 21, was a high-intensity startup crisis simulation designed to test leadership, decision-making, and strategic thinking under pressure. Participants assumed executive roles such as CEO, CFO, and PR Head, responding to real-time corporate crisis scenarios including data breaches, funding withdrawal, and public backlash. Teams analyzed incomplete information, drafted official statements, and presented recovery strategies during a simulated press conference. Judges evaluated clarity, accountability, crisis communication, and practical viability of decisions.

The event successfully bridged theory and real-world uncertainty, strengthening participants' leadership judgment, stakeholder management, and ability to make responsible decisions in high pressure environments.

Innovation Showcase– A Rare Peek into Real-World Automation and Smart Monitoring Solutions

The IIC, JUIT, organized a comprehensive Innovation Showcase on 21 February 2026. The event integrated



three key segments: Embed Expo (IoT hardware demonstrations), Innovation Poster Presentation, and the Civil Engineering Bridge Building Challenge.

Ten IoT-based hardware prototypes were exhibited, demonstrating real-world automation and smart monitoring solutions. The poster session enabled students to present research ideas and problem-solving frameworks, while invited school students gained early exposure to innovation culture.

Overall, the showcase promoted interdisciplinary collaboration, experiential learning, technical communication, and innovation-driven problem-solving across departments.

OUTREACH ACTIVITIES

Workshops on “Molecular Biology Techniques: Polymerase Chain Reaction and Gel Electrophoresis” at Punjab

On 26th February 2026, Prof. Rahul Shrivastava from the Department of BT&BI held a One-day Workshop on “Molecular Biology Techniques: Polymerase Chain Reaction and Gel Electrophoresis” at the General Shivdev Singh Diwan Gurbachan Singh Khalsa College, Patiala, Punjab. Students actively participated in the workshop that blended theory with hands-on laboratory experience in modern Molecular Biology techniques. The practical sessions helped them better understand complex scientific concepts by directly performing experiments under expert guidance. The program also included a career counseling session led by the invited resource person. Students received valuable guidance on career opportunities in biotechnology and allied fields, including research, higher studies, and industry roles. The interaction helped them explore future possibilities and gain clarity about potential career paths.



Prof. Rahul Shrivastava conducted another one day workshop on “Molecular Biology Techniques: Polymerase Chain Reaction (PCR) and Gel Electrophoresis” at the Government Mohindra College Patiala on 27th February, 2026. The workshop provided structured hands-on training in experiments related to Recombinant DNA Technology and advanced techniques used in modern Molecular Biology. Through guided laboratory sessions, students gained practical exposure to essential experimental procedures, strengthening both their conceptual understanding and technical competence in these rapidly advancing areas of life sciences. In addition the resource person conducted an interactive career counseling session. Students were introduced to diverse academic and professional pathways within biotechnology, microbiology and related disciplines.



Outreach Activities at Rampur Bushahr, Shimla, Himachal Pradesh

An outreach activity was coordinated and conducted by Dr. Rahul Shrivastava at various Schools of Rampur Bushahr, Shimla region of Himachal Pradesh from February 3, 2026 to February 5, 2026. The schools included Delhi Public School, Springdale School and Sigma School of Science from Rampur Bushahr. The outreach programme was designed to meaningfully engage students and provide structured guidance to support both their academic progression and personal development. The session featured comprehensive discussions on diverse professional domains, essential skill development, and informed educational pathways available after school education. Emphasis was placed on helping students align their interests and aptitudes with suitable career options, while also encouraging goal setting and informed decision-making. The programme proved to be a highly successful initiative. It witnessed enthusiastic participation and constructive interaction from students, reflecting their keen interest in planning their future trajectories.



Career Counselling Sessions and Mock GAT-B exams at Degree Colleges Shimla

A career counseling session was organized at **Govt. Degree College Sanjauli, Shimla**, Himachal Pradesh, on 19th Feb, 2026. During the session, GAT-B mock test for 80 students was conducted followed by career counseling session. This event was coordinated by Prof. Poonam Sharma (Dept of BT&BI) in association with Mrs. Rita Chandel, Assistant Professor, Deptt. of Chemistry, Govt. Degree College Sanjauli, Shimla, Himachal Pradesh.



A similar counseling session was organized at **Govt. Degree College Chaura Maidan, Shimla** on 20th Feb. 2026 by Prof. Poonam Sharma (Dept of BT&BI). During the session, Prof. Sharma conducted a mock GAT-B exam for 50 students in and provided expert guidance for the preparation of this test. In Addition, Prof. Sharma also delivered an invited lecture on “Career options after Graduation” to explore different options and develop relevant skills for building a successful career.

Interactive Sessions with Students in Haryana

On Jan 21, Dr. Ashok Nadda from BT&BI conducted an interactive session at DAV public School Naraingarh, Haryana. More than 300 students and 10 faculty members were addressed. He delivered lecture on the scope of Computer Science, Artificial Intelligence, Biotechnology and Electronics & Communication in career development to the students of classes 10th, 11th and 12th. The Students were very interactive and eager to learn about the career opportunities in the foreign countries. The importance of AI, data science, BBA, MBA, environmental biotechnology, genetic engineering, medical biotechnology, Agricultural biotechnology and computational biotechnology was discussed in details with the students.



Outreach Program for MBA Aspirants in Shimla

An outreach programme was conducted at Sanjauli College, Shimla and RKMV College, Shimla with the objective of creating awareness among undergraduate students about the MBA programme offered by JUIT. The session was conducted by Dr. Tanu Sharma, JBS, as part of the university’s academic outreach initiative to guide students regarding higher education opportunities in management. The primary objective of the session was to provide detailed information about the structure, curriculum, eligibility criteria, fee structure, and career prospects associated with the MBA programme.



INDUSTRIAL VISIT OF BBA STUDENTS TO MOHAN MEAKIN, KASAULI

The BBA students of JBS, under the guidance of Dr. Tanu Sharma and Dr. Neena Jindal, visited Mohan Meakin Limited, Kasauli on February 23, 2026, as part of their industrial exposure program. The visit provided practical insights into brewing, fermentation, bottling, and supply chain operations within the beverage industry. Students observed quality control measures, safety standards, and regulatory compliance, while gaining understanding of production planning, inventory management, and workforce coordination. They also explored how departments like production, HR, finance, and marketing function collaboratively. The visit enhanced students’ analytical skills, professional awareness, and practical understanding of management concepts, effectively bridging the gap between classroom learning and real-world business practices.



INDUSTRIAL VISIT: GIRINAGAR HYDROELECTRIC POWER PROJECT

The Department of Civil Engineering JUIT, organized an industrial visit to the Girinagar Hydroelectric Power Project, Sirmaur District, H.P. on 6 Feb, 2026 for 27 students of B.Tech and M.Tech Civil Engineering under the guidance of Dr. Kaushal Kumar and Dr. Niraj Singh Parihar. The visit aimed to provide practical exposure to hydropower generation and related infrastructure.



The Girinagar project, a 60 MW run-of-the-river scheme on the Giri River, operates under a medium head of about 150 m using Francis turbines. During the visit, students observed major components including the diversion structure, intake system, headrace, penstocks, powerhouse, and switchyard. Engineers explained key aspects such as flow regulation, sediment control, turbine operation, and power transmission to the grid.

The interaction with plant officials provided insights into operational challenges like sedimentation, maintenance, and seasonal discharge variations. Emphasis was also placed on safety protocols, efficiency optimization, and interdisciplinary coordination. Overall, the visit significantly enhanced students' understanding of hydraulic structures and renewable energy systems.

NEP ENGAGEMENT

JUIT continues to advance academic excellence through active faculty participation and NEP-driven initiatives. Three faculty members: Dr. Hari Singh, Dr. Gopal Singh Bisht, and Dr. Niraj Singh Parihar successfully attended the Nurturing Future Leadership Programme (NFLP) under the Malaviya Mission Teacher Training Programme at IIM Jammu and IIM Kashipur during January–February 2026. Their participation reflects the university's commitment to leadership development and academic growth.

Further strengthening NEP implementation, the NEP Cell organized “SAARTHI Pathways: Learning from Experience” on 3 February 2026, promoting mentorship, collaboration, and capacity building among new and experienced SAARTHIs .



SESSION ON IMPORTANCE OF INDIAN KNOWLEDGE SYSTEM IN CONTEMPORARY EDUCATION

The NEP Cell and NEP SAARTHI team of the university organized two sessions on 23rd and 24th February 2026 to highlight the role and importance of Indian Knowledge Systems (IKS) in contemporary education. The sessions were delivered by the NEP Co-coordinator, Prof. Rakesh K Bajaj, who emphasized the relevance of indigenous knowledge traditions in shaping holistic learning, sustainable practices, and culturally rooted innovation. He encouraged students to appreciate India's intellectual heritage and explore its applications in modern academic and professional con-

texts. The programme witnessed active participation of around 154 students with discussions, reinforcing the institution's commitment to integrating NEP-aligned themes such as IKS into academic engagement and awareness initiatives.



NATIONAL SCIENCE DAY 2026

JUIT celebrated National Science Day 2026 with great enthusiasm under the theme “Women in Science: Catalyzing Viksit Bharat,” as proposed by the Department of Science and Technology, Government of India. The event was jointly organized by the Departments of BT&BI and PMS. The keynote address was delivered by Dr. Krishna Mohan Poluri from Indian Institute of Technology Roorkee on “The Invisible Revolution: Futuristic Approaches of Nano/ Bio-Technology,” highlighting the transformative potential of emerging technologies in national development.

The celebration featured poster and model presentation competitions, a declamation contest, departmental re-



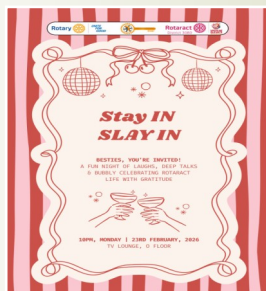
search showcases, and guided laboratory visits. More than 210 students and teachers participated enthusiastically, reflecting strong academic engagement and scientific curiosity. Winners across categories were honored with certificates and prizes. The event received financial support from JUIT and technical assistance from the Centre for Healthcare Technologies and Informatics (CEHTI). The celebration paid tribute to C. V. Raman and reaffirmed JUIT’s commitment to advancing scientific excellence and empowering women in science in alignment with the vision of a Viksit Bharat.



ICEBREAKING AND WELCOMING SESSIONS BY ROTARACT CLUB

Rotaract Club of Wagnaghat conducted The Rough Draft, a refreshing ice-breaking session aimed at fostering connections and encouraging creativity among members. The event featured engaging activities such as musical jamming and vision board creation, allowing participants to express their aspirations for the year 2026 in a personalized and imaginative manner. Members were encouraged to freely present their ideas through writing, drawing, and visual representation, creating an open and inclusive environment.

Between the Lines was another thoughtful initiative by



Rotaract Club aimed at creating a safe and welcoming space for members to pause, reflect, and express themselves freely. The event brought together elements of art, open conversations, and moments of shared silence, enabling participants to explore their emotions and personal interpretations of peace through drawing, writing, group discussions, and open mic expressions. Designed to encourage emotional openness and self-reflection, the session fostered understanding and mutual support among members.

On February 23, Stay In Slay In – Galentine’s, a vibrant celebration dedicated to friendship, sisterhood, and self-love was conducted. The event featured a variety of fun-filled activities, games, and engaging interactions, creating a safe and joyful space for members to connect and unwind. Designed to foster meaningful bonds and positive energy, the session encouraged laughter, openness, and togetherness.

GREEN TALK ON SUSTAINABLE MATERIAL AND EFFICIENT TECHNOLOGIES FOR GREEN BUILDING

The Department of Civil Engineering successfully organized a highly informative webinar titled "Green Talk on Sustainable Material and Efficient Technologies for Green Building" on February 4, 2026. Dr. Prateek Srivastava, an IGBC Accredited Professional and Director at Sustainergic Tech Pvt. Ltd., served as the expert speaker. The webinar received an overwhelming response with approximately 160 nominations from India and abroad, representing diverse sectors including universities, government departments, and private industry. The event was coordinated by Dr. Tanmay Gupta. The event was live-streamed on Google Meet and the official JUIT Civil Engineering YouTube page, ensuring maximum reach and accessibility. The webinar commenced with an inaugural address by Mr. Jagjit Singh Maghla, Chairman of IGBC Chandigarh. Chapter and

Managing Director of Innovative Housing & Infrastructure Pvt Ltd.



TECHNICAL PROGRAMME ON PRE-FABRICATION AND PRE-ENGINEERED BUILDING CONSTRUCTION TECHNOLOGIES

The Department of Civil Engineering organized a technical programme on Prefabrication and Pre-Engineered Building (PEB) Construction Technologies on 17-18 February 2026. The programme was de-

signed to create awareness among practicing engineers and professionals about modern construction methodologies, dry construction technologies, and prefabricated structural systems that are increasingly being adopted worldwide for faster, efficient, and sustainable infrastructure development. The session was coordinated by Dr. Tanmay Gupta, CE, who highlighted the growing relevance of PEB systems in contemporary construction practices. Prof. Ashish Kumar highlighted the importance of dry construction technologies and prefabrication methods, noting that such systems represent the future of construction engineering. The technical on Prefabrication and PEB Construction Technologies proved to be a highly informative and professionally enriching event. Participants gained valuable insights into modern construction methodologies and their potential applications in infrastructure development.



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CAPACITY BUILDING WORKSHOP ON DRONE TECHNOLOGY: FUNDAMENTALS AND FLYING PRACTICE

A two-day Capacity Building Workshop on “Drone Technology: Fundamentals and Flying Practice” was organized by the Department of ECE, on 21–22 Febru-



ary 2026 at the Drobotics Lab, in collaboration with Garuda Aerospace.

The workshop aimed to enhance participants’ technical understanding of unmanned aerial vehicle (UAV) systems and provide hands-on flying experience, while fostering entrepreneurship, innovation, design thinking, startup culture, and awareness of Intellectual Property Rights in the rapidly expanding drone technology ecosystem.

CYBERSECURITY AWARENESS WORKSHOP

A Cyber Security Awareness workshop was conducted on January 17 to introduce students to the fundamentals of cybersecurity and ethical hacking, emphasizing the



importance of digital safety in a technology-driven

world. The session covered key topics including network security, malware and ransomware threats, phishing and social engineering attacks, encryption techniques, and basic ethical hacking concepts such as penetration testing. Live demonstrations illustrated how weak passwords, unsecured websites, and phishing attempts can compromise sensitive data. Preventive strategies such as strong password policies, multi-factor authentication, and regular system updates were highlighted. The interactive session enhanced students’ awareness of digital threats and encouraged exploration of cybersecurity careers and certifications.

GITHUB SESSION

The SIAM JUIT Chapter organized a three-day GitHub Session from January 19 to January 21 2026, aimed at helping students understand the fundamentals of version control and collaborative software development. The session was designed to introduce participants to the practical use of GitHub, strengthen their workflow management skills, and enable them to efficiently manage coding projects in both individual and team environments. The session covered several important topics, including introduction to Git and GitHub, creating and managing repositories, version control using commits and commit history, branching and merging workflows,

collaborative development through pull requests, and issue tracking and project documentation. Students were encouraged to actively participate in hands-on exercises, where they practiced creating repositories, committing changes, working with branches, and resolving merge conflicts. These activities helped students become familiar with real development workflows commonly used in the software industry. A significant aspect of the session was the interactive and mentorship-driven environment, where students could ask questions, clarify doubts, and receive immediate guidance.

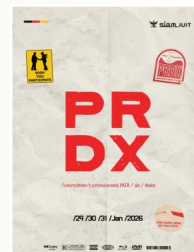
ONLINE SESSION ON ENHANCING RESEARCH VISIBILITY AND USE OF ORCID

The Learning Resource Centre JUIT in collaboration with Central University of Himachal Pradesh (CUHP) and Himachal Pradesh Library Association (HPLA), organized an online session on 'Enhancing Research Visibility and use of ORCID' on January 18. The session was led by Dr. Mohit Garg, Assistant Librarian, Indian Institute of Technology, New Delhi. Dr. Garg explained how researchers can create and effectively

use an ORCID account. He urged scholars and authors to create their ORCID ID and take advantage of this web based tool and enhanced the visibility of their research and professional milestones. He emphasized that librarians should work proactively to assist faculty members and research scholars in showcasing their quality research through such means.

PRDX: A 3-DAY FLAGSHIP EVENT

The SIAM JUIT Chapter hosted PRDX (Jan 29–31, 2026), a three-day technical fest blending innovation, coding competitions, and interactive events. Featuring Semicolon, Sigma Feud, Jamming Night, and a RAG session, it fostered creativity, teamwork, and problem-solving while offering students a vibrant platform for learning, collaboration, and showcasing technical skills.



DESIGN ROULETTE— A CREATIVE DESIGN COMPETITION

Design Roulette, organized under R&D 2026 on January 16, was a one-hour offline creative design competition built around a unique roulette-based selection model. Participants randomly selected a product and a theme from two bowls and created a poster integrating both elements. The format encouraged spontaneity, adaptability, and rapid ideation under time constraints. Judging focused on creativity, relevance, visual appeal, typography, and conceptual clarity. The event saw enthusiastic participation from 46 students across depart-

ments. Overall, it successfully promoted structured creativity, strengthened visual storytelling skills, and enhanced participants' ability to execute innovative design solutions under pressure.



WINTERBALL— A GATHERING OF ELEGANCE

Rotaract Club of Wagnaghat hosted WinterBall on February 14, 2026, an elegant district-level aimed at celebrating togetherness, unity, and fellowship among Rotaractors. The evening brought together members from various clubs across the district for a memorable experience filled with music, dance, and lively interactions. Designed to encourage inter-club bonding and networking, the event provided a platform for members to connect beyond their individual clubs. By fostering collaboration and strengthening relationships, Winter-

Ball celebrated the spirit of unity and camaraderie within the Rotaract community.



AGAR ART COMPETITION– A DISPLAY OF SCIENCE-ART COLLABORATION

The Agar Art Competition was successfully organized by the Synapse Club of Department of BT&BI in collaboration with IIC JUIT as a part of its flagship biotechnology event “BIOxcelerate 2026” on January 21, 2026. The competition aimed to blend scientific understanding with artistic creativity, encouraging students to explore microbiology beyond textbooks and laboratory protocols. Agar art, an emerging scientific-art discipline, involves creating visual designs using microbial growth on agar plates, thereby promoting innovation, precision, and biosafety awareness among participants. The event served as an excellent platform for students to express their creativity while reinforcing core microbiological concepts such as aseptic techniques, culture handling, incubation, and microbial pigmentation. The Agar Art Competition was successfully coordinated by

Mr. Prerak Chouhan, General Secretary of the Synapse Club. The Agar Art Competition was evaluated by a



distinguished judging panel comprising Prof. Hemant Sood and Prof. Rahul Srivastava. The judges assessed the agar art entries based on creativity, originality, aesthetic appeal, technical precision, and adherence to biosafety and laboratory protocols.

SAFE HER– AN AWARENESS SESSION ON WOMEN SAFETY

Rotaract Club, JUIT launched an initiative dedicated to spreading awareness about women’s safety on February 6, 2026, rights, and empowerment. The session focused on promoting self-defence awareness, providing essential legal knowledge, and fostering a supportive environment where women feel heard and protected. Through meaningful discussions and active participation, the event encouraged confidence, unity, and a sense of collective responsibility. By advocating for awareness and empowerment, safe her contributed to

building a safer and more inclusive society, reinforcing the values upheld by Rotaract.



ADULTING-101: CHAMPIONING FINANCIAL LITERACY AND POLITICAL AWARENESS



The Rotaract Club of Waknaghat conducted Adulting 101 in collaboration with NSS JUIT on February 21, 2026, an engaging and impactful session aimed at promoting financial literacy and awareness of voting rights. The event provided practical guidance on budgeting,

saving, responsible financial planning, and understanding the basics of taxation. It also highlighted the significance of voting rights, civic responsibilities, and the importance of making informed electoral choices. Through interactive discussions and real-life examples, participants gained valuable insights to navigate adulthood with confidence. By encouraging financial independence and responsible citizenship, Adulting 101 reflected the commitment of Rotaract towards holistic personal and social development.



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