



JUIT IEEE Student Branch Chapter



A NEWSLETTER OF JUIT

Hilly Ramblings



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WORKERS DAY CEREMONY-2025

On January 02, 2025, JUIT, Wagnaghat commemorated Worker's Day with fervor and enthusiasm, in accordance with the tradition established in 2001. This day, instituted to honor the cherished values of the organizations fostered by our esteemed Founder, Shri Jaiprakash Gaur Ji and Shri Manoj Gaur ji symbolizes the collective spirit that has been meticulously nurtured over decades.



Under their visionary leadership, the Group has flourished, achieving remarkable growth and milestones. The celebration at JUIT, Wagnaghat included ceremonial events such as the raising of the Company's flag and a solemn Oath taking ceremony which was followed by lunch with Workers led by our esteemed Vice Chancellor, underscoring the significance of this occasion.



VISIT OF TEAM SHAKTIVAH TO TIET

Team ShaktiVah comprising Aaditya Kumar, Aman Kumar and Astha Pipania, B.Tech 2nd year students, had the privilege of visiting Thapar Institute of Engineering and Technology to meet. Team Fateh Formula

Racing on February 23, 2025. The visit was aimed at gaining valuable insights into the design and development of electric vehicles. Team sought to understand their engineering approach, innovations, and technical challenges.



CELEBRATING INNOVATION AND EXCELLENCE AT RIDE HACK 24

With over 200 teams pitching their groundbreaking ideas, the competition was intense; but it fills us with immense pride to see three teams from JUIT rise to the top and claim victory. Their dedication, perseverance, and innovative mindset have truly made our university shine on this grand stage. We extend our congratulation to the following teams:

- i) Company ADWICORP SERVICES PRIVATE LIMITED, led by Divyansh Goel.
- ii) Company GLAM AI PRIVATE LIMITED, led by Nitish Sharma.
- iii) Company GRATIFY VENTURES PRIVATE LIMITED, led by Krish Monga, Sidhant Singh, and Shivansh Mahajan.

This achievement is not just a win; it's a testament to the talent and entrepreneurial spirit that thrives at JUIT. This is just the beginning, and we are excited to see their journey ahead.

THE VIKSIT BHARAT CHALLENGE

Aaditya Kumar, B.Tech 2nd year, CSE was selected for the challenge: Viksit Bharat Championship at NYF. The top 11 teams got chance to meet, Prime Minister of India Shri Narendra Modi Ji on January 12, 2025.



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SECURE YOUR FUTURE**

Our Programs - Apply Now

Bachelor of Technology(B.Tech) in:

- Bioinformatics - Biotechnology - Civil Engineering
- Computer Science and Engineering & Specializations
- Electronics and Communication Engineering
- Electronics and Computer Science
- Electronics Engineering (VLSI Design and Technology)
- Information Technology - Mathematics and Computing

M.Tech | M.Sc | BCA | BBA | PhD

Twinning Programme

Selected Students have the option to study One Semester at **JUIT, Noida**, with Credit Transfer.

WORLD RANKINGS (2025)

THE JUIT IS RANKED BY
TIMES HIGHER EDUCATION
251 - 300 Interdisciplinary Science Ranking
601 - 800 World University Ranking
In Engineering and Computer Science

QS JUIT IS
RANKED BY QS
179 Asia University Ranking :
Southern Asia
601 - 620 Asia University Ranking



Ramanujan Universe – A High Performance Super Computer



VLSI Fabrication & Characterization Lab



Digital Learning Centre



5G Use Case Lab

INTERNATIONAL TIE-UPS

- IOWA State University, USA
- University of Florida (Credit Transfer)
- South Dakota School of Mines Technology, USA (Credit Transfer)
- University of Nebraska at Omaha, USA
- Pushchino Scientific Centre of Biological Studies, Moscow, Russia
- University of Missouri, USA

Placement Milestones in 2025

₹50.00 Lakhs by Google India
Highest Package

₹46.38 Lakhs by Amazon
2nd Highest Package

Scholarships for Meritorious Students, Wards of Defence Personnel across various Programs.

Our Recruiters

amazon Google Microsoft cadence
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PH.D. COMPLETED

- **Himanshu Dhumras (Maths-216851)** completed his Ph.D. in January 2025.
Title: Picture Fuzzy Soft-Hypersoft Sets, Information Measures & Aggregation Operators in Decision-Making Applications.
Supervisor: Prof. Rakesh Kumar Bajaj.
- **Himani Bhardwaj (ECE-206003)** completed her Ph.D. in January 2025.
Title: Design of VLSI Interconnect Circuits for Energy Performance Optimization.
Supervisors: Prof. Shruti Jain and Dr. Harsh Sohal.

VISIT OF BROTHER JEROME ELLENS

JUIT had the distinct honor of hosting Brother Jerome Ellens from February 05-07, 2025. A distinguished educator, leader, and mentor, Brother Jerome engaged in insightful discussions on academic excellence, research advancements, and student empowerment during his visit.

A proud native of Chennai, Brother Jerome Ellens has had an illustrious career in education, having served as a teacher, principal, and superior at renowned institutions such as St. Patrick's School, Chennai; Mount St. Mary's, New Delhi; and St. Joseph's College, Coonoor. His historic tenure as the first Indian Vicar General (1998) and Superior General (2004) of the Patrician Brothers marked his leadership on global stage.

During his visit, Brother Jerome engaged with students, inspiring them with real-life examples and encouraging them to approach their goals with determination. He emphasized the power of 'SYNERGY' in education, urging faculty members to foster interdisciplinary collaborations and academic growth.

His visit reaffirmed JUIT's commitment to academic innovation, leadership, and holistic learning.



EXPERT TALK ON OPPORTUNITIES IN ROBOTICS

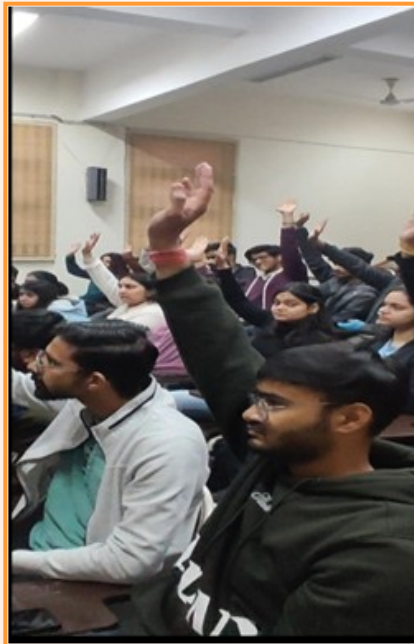
The Enkindle Club of JUIT, hosted an insightful expert talk on "Opportunities in Robotics" featuring Mr. Abbas Mehdi, Additional Director, Ministry of Electronics & IT, Government of India, on February 07, 2025. The session provided valuable insights into the evolving landscape of robotics, automation, AI, and industrial applications, this helped students, researchers, and professionals understand the vast career and research opportunities in this rapidly advancing field. Mr. Mehdi also motivated students to actively participate in Robocon 2025, an international robotics competition that challenges young minds to innovate, design, and compete on a global stage.



LEADERSHIP SESSION BY SHRI AMULYA SHUKLA

On February 23, 2025, JUIT hosted an inspiring leadership session by Shri Amulya Shukla. Mr. Shukla emphasized that true leadership is about inspiring others through dedication and perseverance. Highlighting the role of hard work and integrity in success, he shared real-life examples and engaged participants in thought-provoking discussions. The session reinforced values like commitment, resilience, and teamwork, motivating coordinators to embrace challenges and lead responsibly. This session provided valuable insights to the audience to enhance leadership skills, thus empowering them to contribute

more effectively to the university community.



VISIT BY MR. SURYA, HEAD OF BUSINESS DEVELOPMENT & OPERATIONS, SHIMLA

Mr. Surya Uday, Head of Business Development & Operations, Shimla for Minchy's, visited the Department of BT & BI, to share insights with the students on January 29, 2025. With a background in Business Management and expertise in the Food, Beverage & Spirits industry, Mr. Uday highlighted his leadership skills in producing premium products such as fruit pulps, juices, jams, pickles,

drink concentrates, apple cider vinegar, wild apricot oil, and artisanal fruit wines under the brands Minchy's and Wonder Wyne. His lecture provided students with valuable insights into business development, industry innovations, and entrepreneurial opportunities in the food processing sector. The session aimed at fostering a spirit of innovation and entrepreneurship among students,

aligning with JUIT's efforts to bridge academia and industry through impactful collaborations.



38TH INTERNATIONAL CONFERENCE ON VLSI DESIGN & 24TH INTERNATIONAL CONFERENCE ON VLSID 2025

Dr. Shruti Jain got the privilege to attend 38th International Conference on VLSI Design & 24th International Conference on Embedded Systems (VLSID2025) VLSI Design Conference 2025 as a Fellow member at The Leela Place, Bengaluru, from January 04-08, 2025.



SESSION BY JINESH SHAH

A webinar of Mr. Jinesh Shah was organised by IIC, and TIEDC on January 16, 2025 to celebrate the National Startup Day. 115 participants attended the event in online mode. The webinar aimed to provide attendees with insights into the dynamic world of venture capital, entrepreneurship, and

innovative investments. The objective was to equip participants with the knowledge to navigate challenges, make informed decisions, and leverage opportunities in rapidly evolving industries while emphasizing sustainable and impactful practices.

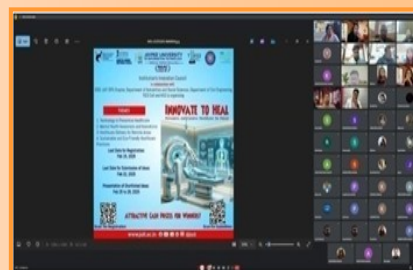


INNOVATE TO HEAL: PREVENTIVE AND CURATIVE HEALTHCARE FOR FUTURE

The IIC in collaboration with department of Civil Engineering, Humanities, TIEDC cell and NSS organized Innovate to Heal, an Ideathon from February 25-28, 2025. The event, themed "Preventive and Curative Healthcare for the Future" encouraged participants to present groundbreak-

ing ideas. A total of 40 teams, comprising over 100 participants from different parts of country, showcased their innovative solutions. A panel of ten experts (mainly Alumni) evaluated the entries and selected the top four ideas, which were awarded cash prizes in recognition of their

ingenuity.



WORKSHOP ON MOLECULAR BIOLOGY AND IMMUNOTECHNIQUES

A one-day workshop on "Molecular Biology and Immunotechniques" was successfully held on February 19, 2025, at Netaji Subhas Chandra Bose Memorial Government College, Hamirpur. The event aimed to provide participants with a comprehensive understanding of molecular

biology techniques and immunological methodologies, emphasizing their applications in research and diagnostics. A total of 60 students participated in the event. Prof. Anil Kant, Dr. Tyson, Mr. Mohd. Ismail Siddiqui and two PhD scholars contributed for the successful workshop.



FUTURE BUSINESS SHARKS 3.0

Future Business Sharks 3.0 was designed to instill entrepreneurial spirit among students by providing them with a platform to test their business acumen. The event aimed to challenge participants with a real-world business simulation, encouraging critical thinking, strategic decision-making, and financial analysis. The event was conducted on January 29, 2025. Selected students were given the opportunity to compete at the next level in Chandigarh, further honing their skills in a professional environment.



The poster for 'Future Business Sharks 3.0' features a blue and white color scheme. At the top, logos for Jaypee University, JUT, TIED, and hitbullseye are displayed. The main title 'Future Business Sharks 3.0' is in large, bold, blue letters. Below the title, it says 'Be a Part of North India's largest inter-college event to ignite entrepreneurship and promote startups.' A list of benefits includes: 'MCQ round testing business understanding & decision-making', 'Top 5 students to be shortlisted for next round', and 'Exciting goodies & prizes for all Participants'. The event date and time are '29th Jan '25 | 11:00 AM', and there is a 'Register Now' button. Contact information '7654 0000 41' and 'Lecture Theatre 3' is provided. At the bottom, logos for sponsors like ICHANDIGARH, FATEH, AMITY UNIVERSITY, and HDFC BANK are shown, along with the hitbullseye logo.



WORKSHOP ON DRONE & IOT TECHNOLOGY

On January 30, 2025, team from Department of ECE conducted a workshop on Drone & IoT Technology at Cambridge International School, Palampur. Dr. Vikas Baghel was the resource person for the workshop, he was accompanied by Mr. Dharendra Kumar Singh and Mr. Praveen Kumar.

The workshop aimed to explore the intersection of drone technology and the Internet of Things (IoT). The event brought together students of class 11th and 12th standard to discuss the latest trends, challenges, and opportunities in these rapidly evolving innovative fields.



4TH NATIONAL SCIENCE DAY SYMPOSIUM-2025

4th National Science Day Symposium (NSDS) was jointly organized by the Department of BT & BI and the Department of Physics and Materials Science, JUIT. NSDS-2025 was convened by Prof Tiratha Raj Singh and coordinated by Prof. Anil Kant and Dr. Ragini Raj Singh. Dr. Shashi Kumar, Group Leader, Metabolic Engineering. Dr. Dinesh Gupta, Group leader, Translational Bioinformatics, ICGEB, New Delhi joined the event as guest of honor. Posters, models, debates and declamations were evaluated by the teams of learned judges from various departments of JUIT. The event was partially financially supported by HIMCOSTE, Government of H.P. along with JUIT and catalyzed by NCSTC, DST, Government of India. It was technically sponsored by the Centre for Healthcare Technologies and Informatics (CEHTI), JUIT. Participating schools and colleges were Tagore Vanasthali Public School, Kasauli; Elite International School, Kandaghat; DWPS, Kandaghat; MRA DAV,

Solan; Saraswati Vidhyamandir, Shimla; DIET, Solan; Bahara University, Wagnaghat etc.



ONE-DAY WORKSHOP ON CO-PO MAPPING, JUSTIFICATION AND ATTAINMENT

On January 11, 2025, a one-day workshop on CO-PO Mapping, Justification and Attainment was organized by Department of BT & BI. The workshop was designed to provide Departments' faculty members with a comprehensive understanding of the methodologies and tools used to map and attain course outcomes (COs), program outcomes (POs) and Program specific outcomes (PSOs) effectively. Dr. Bansal's presentation focused on the theoretical framework and significance of CO-PO mapping in curriculum design, while Prof. Sudhir Kumar provided hands-on guidance on practical tools and techniques for effective CO-PO mapping and attainment.



INSPIRING KEYNOTE BY SAURABH JAIN

Mr. Saurabh Jain, Founder of Fun2Do Labs and Director General at Alliance of Digital India Foundation (ADIF). In his speech, he encouraged students to pursue a balanced approach to success by not only chasing Lakshmi (wealth) and Shakti (power) but also embracing Saraswati (knowledge). He emphasized that true success is rooted in learning and wisdom, paving the way for sustainable growth and innovation. His insights resonated deeply with the audience, setting a reflective yet motivating tone.



FOSTERING INNOVATION IN ROBOTICS: A HANDS-ON WORKSHOP FOR SCHOOL STUDENTS

A workshop on innovation in robotics was conducted by the Enkindle Club JUIT at Government Model Senior Secondary School, Kunihar, Solan, Himachal Pradesh. The session was led by Dr. Aman Sharma, accompanied by B.Tech 1st year student, Abhinandit Sharma. The primary objective of the workshop was to provide school students with hands-on experience with a robotic arm and to inspire innovation in robotics at an early stage. During the workshop, Dr. Aman Sharma highlighted the role of ATAL Tinkering Labs in fostering innovation among young students. He discussed how these labs, established under the Atal Innovation Mission, provide a platform for students to experiment with robotics and other emerging technologies. The workshop

successfully ignited a spark of innovation among the school students, providing them with a practical understanding of robotics.



DISASTER PREPAREDNESS DRILL WITH NDRF AND DDMA SOLAN



On January 14, 2025, CED JUIT hosted a highly informative Familiarization Exercise (FAMEx) in collaboration with the 14th Battalion of the National Disaster Response Force (NDRF) and District Disaster Management Authority, Solan. The event aimed to enhance disaster preparedness and response strategies among students, faculty, and staff.

HEALTH CAMP: A STEP TOWARDS WELLNESS

On Republic Day, NSS JUIT in collaboration with IEEE Delhi Section SIGHT and Drishti, SIGHT IEEE JUIT SB, organized a Health Camp to promote awareness about physical and mental well-being. The event commenced with an address by NSS faculty coordinators emphasizing the significance of regular health check-ups. The camp provided free medical consultations, general health assessments, blood pressure and glucose monitoring, and expert guidance from healthcare professionals. This initiative reaffirmed JUIT's commitment to fostering a healthier and socially responsible community.



RISK IT ALL-2025

The event aimed to immerse participants in the role of investors, offering hands-on experience in analyzing real-world business pitches. Participants critically evaluated market potential, financial models and risks, while managing a limited purse and making strategic investment decisions under a strict 7-minute time limit. The event was designed as a mock version of the popular TV show *Shark Tank*, where participants acted as

investors rather than entrepreneurs. Each team was given a virtual purse of ₹1.5 crore and had to

strategically allocate their investments across six business pitches.



TRAINING OF MASTER TRAINERS FOR HAZARD-RESISTANT SAFE CONSTRUCTION PRACTICES



The Training of Master Trainers for Hazard-Resistant Construction Practices, organized jointly by CED, JUIT and District Disaster Management Authority (DDMA), Solan, was successfully conducted from January 22-24, 2025. Participants received practical exposure to

earthquake-resistant construction methods, including ductile detailing, confined brick masonry, and RCC frame design. Dr. Tanmay Gupta, the event coordinator, emphasized the necessity of conducting such trainings frequently often to bridge the gap between theoretical knowledge and practical application.



TECH TALK ON SILICON INNOVATION MEETS AI

Dr. Shruti Jain, subcommittee member, WIE, IEEE India Council, organized a talk on the theme "Silicon Innovation Meets AI" on February 28, 2025 from 7:30 PM onwards. The speakers were Ms. Rituparna Mandal, Vice President, Go To Market, Synopsys and Dr. Balwinder Singh, Scientist E & Head Academic and Consultancy Services Division



C-DAC, Mohali. The event discussed and shared insights on accelerating entrepreneurship and technology. The speaker shared rapid advancements in AI and how the underlying silicon technologies are transforming industries, reshaping the way we live, work, and interact with the world around us. More than 100 participants joined the event.

FROM THE DESK OF IEEE JUIT SB

Image Processing Sessions: A Hands-On Learning Experience: IEEE SPS JUIT SB conducted a two-day session on Python-based Image Processing from January 27-28, 2025, offering students an opportunity to explore real-world applications.

- **Day 1:** Participants were introduced to fundamental libraries like OpenCV and PIL, learning essential image manipulation techniques such as filtering and edge detection.
- **Day 2:** Students implemented their learning by building an Automatic Number Plate Recognition (ANPR) system, utilizing image preprocessing, contour detection, and OCR. By the end of the session, attendees walked away with hands-on experience and a project to showcase.



Career Conclave: Guiding Future Aspirations: In collaboration with the Department of ECE, JUIT, & IEEE SIGHT Delhi Section, IEEE JUIT SB organized Career Conclave to help high school students explore career opportunities, on January 31, 2025 at Him Academy Public School, Hamirpur. Dr. Vikas Baghel, Department of ECE, JUIT was the speaker of the event. The event empowered students to make informed decisions about their academic and professional journeys, equipping them with the knowledge needed to navigate their future careers successfully.

Git & GitHub Workshop: Mastering Version Control: IEEE JUIT SB organized a two-day workshop to introduce students to Git and GitHub, covering essential version control techniques for software development from February 4-5, 2025.

- **Day 1:** Introduction to Git, basic commands (git init, add, commit, status, log), repository setup, and hands-on exercises.
- **Day 2:** Collaborative development on GitHub, branching, merging, handling conflicts, and pull requests. Participants gained practical knowledge on industry-standard tools, improving their ability to contribute to open-source projects and collaborate effectively.



Code Rumble: A Strategic Coding Challenge IEEE JUIT SB organized *Code Rumble*, a unique coding competition emphasizing teamwork and strategic decision-making on March 02, 2025. Participants competed in teams of two, tackling problems of varying difficulty while making calculated swaps to optimize their performance. Teams analyzed problems and strategized before solving. One team member solved a problem while the other waited outside.

The event successfully combined coding, critical thinking, and teamwork, making it an unforgettable experience for all the participants.

FROM THE DESK OF ACM

Competitive Programming Sessions: The Competitive Programming (CP) session was an intensive three-day training event from January 16-18, 2025 aimed at enhancing students' problem-solving skills. Participants engaged in hands-on coding sessions, algorithmic problem-solving, and competitive programming challenges. The sessions covered essential topics such as dynamic programming, graph algorithms, and advanced data structures, preparing students for upcoming coding competitions like ICPC, Codeforces contests, and Google Kick Start.



Web Development Bootcamp: The Web Development Bootcamp organized by ACM, JUIT from January 29-31, 2025 provided participants with fundamental and advanced web development knowledge, covering front-end and back-end technologies. The workshop included hands-on coding with JavaScript as well as an introduction to modern frameworks. Participants built projects from scratch, emphasizing responsive design and performance optimization. The event fostered collaboration and networking, helping students gain insights into industry trends and the best practices in web development.

Qriosity 4.0: Qriosity 4.0, a flagship event of ACM was organized on February 02, 2025 was an exhilarating six-hour competition designed to test participants' problem-solving, analytical thinking, and research skills. The event conducted online, challenged teams to solve a variety of riddles, puzzles, and tech-related queries within a limited timeframe. By leveraging technology and teamwork, participants cultivated their logical reasoning skills.



Inside Out- Design Bootcamp & Speaker Session: The Inside Out Design Bootcamp introduced participants to UI/UX principles, graphic design fundamentals, and prototyping techniques using Figma. Attendees worked on practical design challenges, learning how to create visually appealing and user-friendly interfaces. The event was organized from February 06-08, 2025. The bootcamp concluded with a speaker session by Ms. Prachi Singhal, Associate Consultant - UI/UX at KPMG India.

OUTREACH ACTIVITIES

1. A career counseling session was organized at Govt. Degree College Sanjauli, Shimla, Himachal Pradesh, on February 18, 2025 and at Govt. Degree College Chaura Maidan, Shimla on February 19, 2025 by Dr. Poonam Sharma (Dept of BT/BI). During the session, Dr. Sharma conducted a mock GAT-B exam for 100 students in both institutes and provided expert guidance for the preparation of this test. In addition, Dr. Sharma also delivered an invited lecture on "Career options after Graduation" to help students explore different options and develop relevant skills for building a successful career.



2. On February 19, 2025 an outreach activity was carried out in Govt. Post Graduate College Bilaspur, Himachal Pradesh by Prof. Jata Sankar and Dr. Raj Kumar, an interactive session of 1.5 hours, a mock test for GAT-B exam was conducted. A lecture on the scope of Biotechnology in the development of career was delivered to the students of B.Sc. final year students.



3. On February 20, 2025 the outreach activity was conducted at Swami Vivekanand Govt. College Kallri, Ghumarwin, Distt. Bilaspur Himachal Pradesh. Dr. Ashok Nadda and Dr. Raj Kumar interacted with more than 40 students and faculty members of the college. A special emphasis was given about the scope of BT & BI in the development of career of the students.



4. On February 21, 2025 outreach activity was carried out in the Government Degree College, Khudla Distt Mandi, H.P. A lecture was delivered by Dr. Raj Kumar on the topic, career scope in BT & BI; at the College. The students of B.Sc. degree programme were thrilled to know about this field of science.

5. On February 24 & 25, 2025, Prof. Rahul Shrivastava and Dr. Jitendraa Vashisth from the Department of BT & BI held a One-day workshop on 'Molecular Biology and Proteomics' at the General Shivdev Singh Diwan Gurbachan Singh Khalsa College, Patiala, Punjab & Government Mohindra College Patiala, Punjab respectively. The workshop covered key insights into Molecular Biology and the latest advancements in Proteomics, providing students with a deeper understanding of these fascinating fields. In addition, the resource person also engaged a career counseling session for the students, helping them explore potential career paths and opportunities in the Biotech industry.



6. On February 27, 2025, Prof. Jata Shankar and Dr. Raj Kumar Department of BT&BI carried out an impactful career counseling session at Govt. College Solan, Himachal Pradesh. During their visit, they conducted a mock GAT-B exam for final year Biology students, followed by brainstorming sessions to provide expert advice and guidance on career planning and preparation strategies. These sessions helped students clarify their goals and make informed decisions for their future.

CAREER COUNSELING & ORIENTATION SESSION AT RKMV, SHIMLA



The Department of BT & BI, organized a career counseling and orientation session at RKMV, Shimla on February 14, 2025 for 100 students of B.Sc (Biotechnology, Microbiology, Zoology, and Botany. Dr. Hemant Sood and Ms. Kartik S.M. Chauhan, HoD Zoology, Dean, and their team coordinated the event. Dr. Sood shared valuable information and suggestions on how to build a successful career in the fields of BT & BI. The students gained key insights into the potential career paths and the growing opportunities in these dynamic fields. Dr. Sood also mentioned the different opportunities available at JUIT for pursuing UG and PG courses and also shared brochures for detailed information.

FACULTY DEVELOPMENT CUM TRAINING PROGRAM GOVT. COLLEGE, SECTOR 1, PANCHKULA”

Prof. Sudhir Kumar of Department of BT & BI JUIT, conducted training sessions on Graduate Aptitude Test (GAT-B) and IIT-JAM preparation at Government Post Graduate College, Sector-1, Panchkula on February 17-18, 2025. The appreciation letter issued by the institution acknowledges his contributions during the "Six days Faculty Development cum Training Program" organized by the Internal Quality Assurance Cell (IQAC). It highlights the significance of his insights, which benefited both students and faculty, enhancing their understanding and preparation for competitive examinations. Prof. Sudhir discussed about the pattern and preparation strategy for these examinations in a comprehensive manner.



EDUCATIONAL VISIT AT CSIR-IHBT AND CSK HIMACHAL PRADESH KRISHI VISHVAVIDYALAYA PALAMPUR

The Department of BT & BI organized an educational visit from February 23-26, 2025, for 41 students, accompanied by faculty members Dr. Saurabh Bansal and Dr. Tyson, Lab Engineer Mr. Baleshwar Prasad, and two PhD students. The visit to CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT) and CSK Himachal Pradesh Krishi Vishvavidyalaya (CSKHPKV) aimed to expose students to cutting-edge research and innovation in biotechnology and sustainable development, aligned with the IIC initiative. At CSIR-IHBT, facilitated by Dr. Girish Nadda, students explored the Plant Tissue Culture Lab, Zebra Fish Lab, MALDI-TOF Facility, and Food Biotechnology Unit, learning about advanced techniques in propagating rare plants, biomedical research, microbial identification, and food quality enhancement. At CSKHPKV, Dr. Chaudhary and Dr. Parmar guided the students through the University Museum, showcasing agricultural innovations and

sustainable practices, including polyhouse cultivation of various crops.



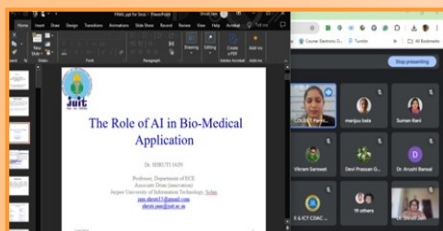
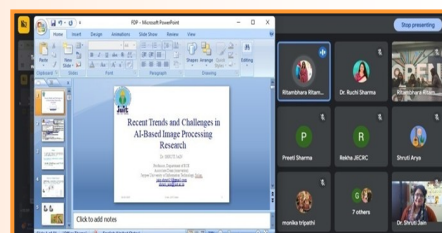
FACULTY CORNER

- **Prof. Sudhir Kumar** was invited to deliver a talk on the Manzil program of DD Himachal about Career Counseling in Biotechnology on February 03, 2025. He elaborated on the career and the job opportunities available for biotechnology graduates and postgraduates.



- **Dr. Tanu Sharma** presented a paper entitled, "Assessing Community Perception and Expectations Of SJVNL's CSR and Sustainability Initiatives: A Study for Future Interventions" in the 10th Global Business Environment (GBE). International Conference on "International Business Diplomacy, Global Trade, and Economic Development in Developing Countries" on January 24-25, 2025. The conference was jointly organized by IMI Bhubaneswar and EGAD Business School Mexico City, Mexico.

- **Dr. Shruti Jain** delivered a talk entitled "Recent Trends and Challenges in AI-Based Image Processing Research", on February 10, 2025 at the Faculty Development Program (FDP) on Applications of IoT, AI and Applications from February 10-14, 2025 organised by EICT Academy, Center of Development of Advancing Computing (CDAC), Mohali in collaboration with JECRC foundation, Jaipur Rajasthan.



- **Dr. Shruti Jain** delivered a talk entitled "The Role of AI in Biomedical Applications", on February 19, 2025 at the Faculty Development Program on Introduction to IoT, AI and its Applications from February 17-21, 2025 organised by EICT Academy, CDAC, Mohali in collaboration with Ch. Devi Lal Institute of Engineering and Technology, Panniwala Mota, Sirsa.

- **Dr. Shruti Jain** delivered a talk entitled "AI in Bio-Medicine: Revolutionizing Healthcare and Diagnostics", on February 21, 2025 at the FDP on Exploring AI and its Applications from February 17-21, 2025 organised by EICT Academy, Center of Development of Advancing Computing, Mohali in collaboration with University Institute of Technology (UIT), HPU, Shimla.

- **Dr. Rahul Shrivastava**, Department of BT & BI delivered a talk on 'Career Prospects in Biotechnology, Microbiology and Bioinformatics', on February 28, 2025. He discussed about scope of Biotechnology, Microbiology in various fields including Human Health, Research and development, Agriculture and various industries.



- **Lt. Pragy Gupta** received the Best Paper award in signal processing track for the paper title 'Transfer Learning based Fusion of CT and MR Images' in 2025 10th International Conference on Signal Processing and Communication (ICSC) held on February 20-22, 2025 at Jaypee Institute of Information Technology, Noida, India

- **Dr. Nishant Jain** delivered an online expert lecture titled “Machine Learning: Replicating Human Brain” on February 07, 2025 to the students of AI CLUB at VIT University, BHOPAL.
- **Dr. Nishant Sharma** delivered a lecture on "Beyond the Hype: AI's Impact & Ethical Dilemmas" in one week workshop on Smart Systems Integration: AI, ML, Cloud Computing, and Emerging Technologies in Engineering organized by Chandigarh University and National Institute of Technology, Uttarakhand from January 27-31, 2025.



- **Dr. Nishant Jain** delivered an expert lecture titled “AI in Biomedical Applications” on February 17, 2025 and a hands-on session titled "Designing CNN Models using Python" on February 21, 2025 in the FDP on "Exploring AI and its Applications" organised by E&ICT Academy, CDAC, Mohali in collaboration with University Institute of Technology, HPU, Shimla from February 17-25, 2025.
- **Dr. Nishant Jain** delivered an expert lecture titled “Image Classification with CNNs in Python: From data preparation to model evaluation” on February 25, 2025 organised by NIT Jamshedpur.
- **Dr. Nishant Jain** participated in the FDP on “Emerging Technologies for Educators: AI, IoT, and AR/VR” organized by E&ICT Academy, CDAC, Mohali in collaboration with Bahra University, Solan from January 06-10, 2025.
- **Dr. Nishant Sharma** served as session chair in 2nd International conference on Artificial Intelligence, Machine learning and Intelligent systems (ICAMS 2025) organized by National Institute of Technology, Hamirpur in collaboration with Indian Institute of Technology, Roorkee and Islamic University of Science and Technology, J&K from February 07-08, 2025.
- **Lt. Pragya Gupta** participated in the FDP on “Emerging Technologies for Educators: AI, IoT, and AR/VR” organized by E&ICT Academy, Centre for Development of Advanced Computing (CDAC), Mohali in collaboration with Bahra University, Solan from January 06-10, 2025.
- **Dr. Kaushal Kumar** successfully completed the ASCE course on Condition Evaluation of Existing Structures – Concrete and Steel on February 28, 2025, earning 0.2 Continuing Education Units (CEUs).
- **Dr. Kaushal Kumar** successfully completed the AICTE ATAL FDP on Technological Innovations in Climate Change Adaptation for Sustainability (TICCAS-2025) at MM Engineering College, Mullana-Ambala, from February 10-15, 2025.
- **Dr. Kaushal Kumar** attended the five days workshop on "Interdisciplinary Approaches in Geotechnical and Geo environmental Engineering (IAG & amp; GEE 2025) at HBTU, Kanpur, from February 17-21, 2025, organized by the Department of Civil Engineering in online mode.
- **Dr. Kaushal Kumar** attended and presented a paper on "Comparative Analysis of Truss Bridge by Replacing Solid Sections with Hollow Sections" at the ASCE International Conference on Challenges and Innovations for Sustainable Smart Cities (CISSC-2025), held from February 07-09, 2025, at Novotel Hotel, Chandigarh.



- **Dr. Neena** participated in the 10th Global Business Environment (GBE). International Conference on “International Business Diplomacy, Global Trade, and Economic Development in Developing Countries” on January 24-25, 2025. The conference was jointly organized by IMI Bhubaneswar and EGAD Business School Mexico City, Mexico.



- **Lt. Pragya Gupta** was detailed by NCC Group Headquarters, Shimla, as a member of the Board of Officers for conducting the NCC 'CEE' Certificate Examination held on February 15-16, 2025, at PGC Solan.
- **Dr. Rishi Rana Kalia** attended one Week Online Short Term Course/Faculty Development Program (STC/FDP) on “Microplastic Pollution: Sources, Analysis and Remediation” (February 03-07, 2025) organized by NIT, Jalandhar, Punjab.
- **Dr. Rishi Rana Kalia** attended online Short Term Programme on Remote Sensing, GIS & Disaster Management organized by the Malaviya Mission Teacher Training Centre, H.P. University, Shimla held w.e.f. February 17-22, 2025.
- **Dr. Rishi Rana Kalia** attended one day Webinar on "Sustainable procurement in construction Industry” with SIPL Pvt. Ltd. on February 20, 2025 in online mode.
- **Mr. Akash Bhardwaj, Dr. Amardeep, and Dr. Niraj Singh Parihar** attended one week AICTE Training and Learning (ATAL) Academy Faculty Development Program on ‘Technological Innovations in Climate Change Adaptation for Sustainability (TICCAS-2025)’ at MM Engineering College, Mullana Ambala from February 10-15, 2025 in online mode.
- **Dr. Saurav** attended an FDP on "Innovation and Entrepreneurship through Academic Research" from December 30– January 03, 2025 in online mode organized by the Department of Mechanical Engineering, Atma Malik Institute of Technology and Research (AMRIT).
- **Mr. Ashok Kishtwal** successfully completed a 4 week (January & February 2025) NPTEL online Certification Course on the Python for Data Science with a consolidated score of 80%. He received Elite Category certificate for this course.



- **Ms. Gunjan Dhupper** (M Tech Biotechnology) has been awarded the Best Product Display in 8th International Conference on Advances in Biosciences and Biotechnology (ICABB), January 29-31, 2025 IIIT NOIDA for her work “Melanin as a versatile polymer” under the supervision of Dr. Ashok Kumar Nadda and Prof. Jata Shankar.
- **Ms. Priya Gautam** (PhD Biotechnology) received first prize in oral presentation in the Session-Microbial and Agricultural Biotechnology in 8th International Conference on Advances in Biosciences and Biotechnology (ICABB), January 29-31, 2025 IIIT NOIDA for her work ‘Saccharomyces boulardii mediated inhibition of Aspergillus flavus’ under the supervision of Prof Jata Shankar and Dr Saurav

REPUBLIC DAY 2025 CELEBRATION

JUIT celebrated the 76th Republic Day on January 26, 2025, with patriotic fervor. Organized by JYC, the event featured cultural performances, inspiring speeches, and a symbolic flag hoisting. The NCC cadets' disciplined march past

reflected dedication, while a thought-provoking Nukkad Natak on national integrity left a lasting impact. A vibrant dance performance by the students showcased India's cultural diversity, reinforcing unity in diversity.



BASANT PANCHAMI CELEBRATIONS, 2025

Basant Panchami, observed on February 02, 2025, marks the transition into spring and is dedicated to the veneration of Goddess Saraswati, the divine embodiment of wisdom, learning, and arts. This revered occasion was commemorated with great solemnity and academic reverence at JUIT, reinforcing its intrinsic link



to intellectual growth and spiritual enrichment. Deeply embedded within the scholarly traditions of India, this festival serves as an impetus for students to embrace the pursuit of knowledge and cultivate cognitive excellence.

SEMESTER SPORTS TOURNAMENT 2025 A THRILLING DISPLAY OF ATHLETIC EXCELLENCE

The Semester Sports Tournament 2025, organized by the JYC Sports Club, kicked off on February 22, 2025, bringing five days of intense competition and sportsmanship to JUIT. JYC's dedication ensured seamless coordination, fair play, and an engaging experience for all. The tournament concluded with thrilling victories and a strong display of leadership and teamwork.



DHUN'25: A MELODIC EVENING OF ART AND EXPRESSION AT JUIT

Dhun'25, the flagship event of JYC's Theatre & Music Club, echoed through JUIT on February 01, 2025, with an evening of music, storytelling, and artistic brilliance. Held at Dhyan Kaksh, the event featured soulful renditions, electrifying band performances, gripping monologues, and an engaging open mic session. JYC's meticulous planning ensured a seamless experience, creating an ambiance of artistic freedom and expression. The audience enthusiastically joined in, making the night truly immersive. Dhun'25 not only entertained but inspired, reinforcing JYC's dedication to nurturing JUIT's cultural vibrancy and leaving a lasting impact on the students.



MASTERCHEF'25: A CULINARY CELEBRATION OF INDIAN CUISINE AT JUIT

MasterChef'25, the flagship event of JYC's Environment, Ecology & Health Club, brought the essence of Indian cuisine to life at JUIT on February 08, 2025. The competition featured ten teams showcasing their culinary skills in Beverage, Main Course, and Dessert categories. With limited slots and intense competition, participants demonstrated creativity, teamwork, and passion for cooking. The event, supported by JYC and Annapurna Mess, created a vibrant atmosphere

filled with rich aromas and friendly rivalry.

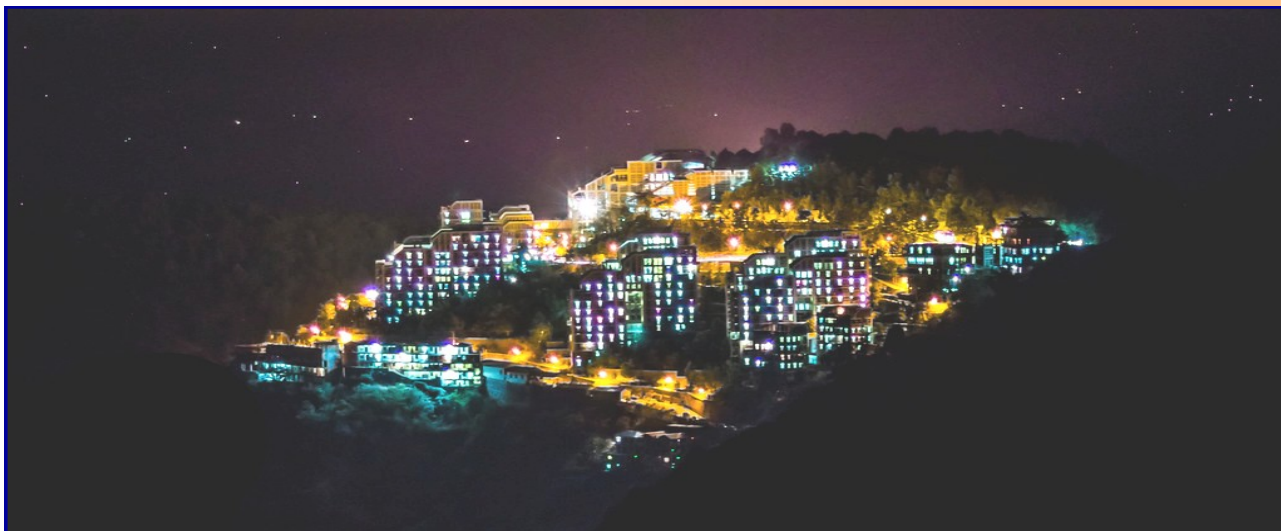


NAZM 2.0

On February 02, 2025 – creativity found its stage at *Nazm 2.0*, an open mic event organized by the Rotaract Club of Wagnaghat in collaboration with *The Spotlight* at Wake & Bake Café, Solan. The event celebrated poetry, storytelling, music, and dance, offering a soulful escape for artists and art lovers alike.

The café's cozy ambiance set the perfect tone as students from JUIT took the spotlight, weaving emotions into verses, melodies, and rhythmic movements. With *The Spotlight* as a partner, the event attracted emerging and seasoned performers.





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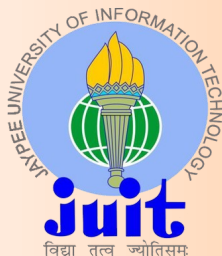
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