

MARCH-APRIL, 2025, VOL. 14 (5)



A NEWSLETTER OF JUIT

Hilly Ramblings



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PRESS MEET

JUIT, organized a press meet on April 05, 2025 in its mesmerizing and beautiful Campus. The University has set new benchmark in higher technical education in the state of Himachal Pradesh with a subsidiary objective of attracting students from the region as well as neighbouring states to Himachal, as the most sought after destination for quality education.

JUIT's prominence in technical higher education is not only a source of pride for the university but also for Himachal Pradesh. By producing highly skilled graduates and conducting cutting-edge research, JUIT contributes to the region's socio-economic development and helps meet the growing demand for skilled professionals in the technology sector. Brig. R.K. Sharma (Retd.), Registrar and Dean of Students, elaborated on the genesis of establishment of JUIT and its exclusive nature vis-à-vis other private universities in the state, infrastructure and hostel management details with various amenities and avenues of co-curricular activities provided to the students.

The Hon'ble Vice Chancellor of JUIT, Prof. Rajendra Kumar Sharma in his discourse, deliberated on the vision of JUIT, its focus is on research, innovation, creativity and entrepreneurship. Establishment of



Directorate of Research Innovation, Development & Entrepreneurship (RIDE) and Ramanujan Supercomputing facility are some of the testaments for future vision. Prof. Sharma mentioned that with innovative learning, JUIT students are not only selected for internships at various IITs but also in Amazon and Google. 8000+ alumni out of which 26.6% pursuing their excellent careers abroad, is another testament as they are making their family proud.



TALK BY PROF. SACHIDANANDA MOHANTY

JUIT organised a talk by Prof. Sachidananda Mohanty on "Beyond NEP 2020 - Exploring Key Conceptual Categories" on April 11, 2025 at 11:30 AM in CR3. Prof. Sachidananda Mohanty is the Member, University Grants Commission; National Fellow, Indian Institute of Advanced Study; and Former Vice Chancellor, Central University of Odisha. The main objective is to fulfil JUIT's commitment to the National Education Policy (NEP) 2020, reaffirming the university's active engagement with educational reforms and innovation.



VISIT OF HON'BLE PRO-CHANCELLOR

Hon'ble Manoj Gaur Ji, Pro-Chancellor, visited JUIT, from March 25-28, 2025. A key highlight of his visit was an interactive session with students who showcased their innovative projects across various disciplines. He appreciated their creativity, problem-solving approach, and commitment to practical learning, encouraging them to continue striving for excellence and societal impact.

Hon'ble Pro-Chancellor also visited several important facilities on campus. He toured the Digital Learning

Centre (DLC), where he reviewed the university's progress in adopting modern pedagogical tools and technologies. His visit to the newly established Admission Office underscored the university's focus on streamlining the admission process and enhancing the applicant experience. He further interacted with students at the renovated cafeteria, gaining insights into student life and campus amenities.



7TH INTERNATIONAL CONFERENCE ON 'SIGNAL PROCESSING, COMPUTING AND CONTROL' ISPC 2K25

The Department of ECE, JUIT organized the 7th International Conference on 'Signal Processing, Computing and Control' in hybrid mode from March 06-08, 2025. The conference invites authors to submit their original and unpublished research work that demonstrates current research in all the areas of signal processing, computing, and control. The schedule for the conference includes keynote sessions, paper presentations, and special talks. A large number of researchers from different parts of the world and

reputed institutes of national importance like IITs, NITs, and Central Universities have present their research work in three days of the conference.

Mr. Atul Purohit is Head of Technology (Europe Customer CTO), Nokia Software, Greater Reading, United Kingdom and Prof. Oscar Deniz, is a University Professor in the Department of Electronics Engineering, Universidad de Castilla-La Mancha (UCLM), Spain gave the keynote address. In total 192 papers were accepted & presented.



INTERACTIVE SESSION WITH PROF. DEWAKAR GOEL

The JYC Technical Sciences, Movies & Photography Club had the honor of hosting Prof. Dewakar Goel on March 29, 2025. A distinguished HR and aviation expert, he shared insights from his tenure at AAI and the Indian Aviation Academy. His engaging talk on leadership and industry trends captivated attendees, fostering meaningful discussions. Students gained invaluable knowledge on career prospects and professional growth. The session concluded with a token of appreciation, marking a memorable experience.



INNOVATION, STRATEGY AND ENTERTAINMENT

A highly anticipated session was delivered by Mr. Vaibhav Munjal, the visionary behind *Chalchitra Talks* on March 28, 2025. An event featured a well-curated blend of expert session, technical competitions, and interactive activities. Designed to foster innovation and strategic thinking, the events provided participants with opportunities to apply their skills, collaborate effectively, and engage in intellectually stimulating challenges across multiple domains. Renowned for building a vibrant community that celebrates cinema, literature, and storytelling, Mr. Munjal shared his journey as a content creator and curator. His youtube channel has 288K subscribers. His talk offered deep insights into passion, consistency, and creativity transform digital content spaces and redefine industries.



The session was both engaging and inspiring, especially for students interested in media, storytelling, and innovative content creation.

FROM THE DESK OF TRAINING & PLACEMENT CELL

Training & Placement Cell (T&P) undertook a series of impactful initiatives aimed at enhancing student employability and industry readiness. A total of 25 placement drives were organized, resulting in the successful hiring of 23 students across various reputed organizations.

In addition to placement activities, the cell hosted two distinguished guest lectures. Mr. Tushar Chury, Country Head at Pathlock, delivered an insightful session on emerging industry trends and expectations, offering students a deeper understanding of the corporate landscape. Following this, Ms. Ritika, Global Director at Rafter One, conducted an engaging session where she shared practical and fun tips to help students excel in their first interviews.

To further prepare students for upcoming recruitment processes, the T&P Cell conducted a series of mock



interviews from April 17-30, 2025. These simulations provided students with a realistic interview experience and personalized feedback, helping them build confidence and improve performance.

EXPOSURE VISIT OF JUNIOR COMMISSIONED OFFICERS (JCOs) AND OTHER RANKS (ORs)

On March 6, 2025, a delegation of JCOs & ORs with guidance of the Institute of Entrepreneurship Development, Regional Center, Himachal Pradesh, undertook an educational visit to the Incubation Centre and associated facilities at JUIT. The visit formed a part of an ongoing effort to facilitate the smooth transition of defense personnel into civilian life by equipping them with the knowledge and tools necessary for entrepreneurship and self-employment.



The visiting team was taken on a comprehensive tour of the university's state-of-the-art infrastructure, which included advanced laboratories and research facilities across various departments. These spaces showcased the university's commitment to innovation, technology, and support for budding entrepreneurs. The participants had the opportunity to interact with faculty members, researchers, and student innovators, gaining first-hand exposure to the ecosystem that nurtures startups and encourages creative problem-solving.

Following the facility tour, a specially curated lecture session was held, focusing on key aspects of entrepreneurship, startup incubation models, funding mechanisms, and the role of technology in business growth. The session emphasized the importance of cultivating an entrepreneurial mindset and provided insights into government schemes and institutional support available for aspiring entrepreneurs, particularly those with backgrounds in defence services.

BOOT CAMP ON "DRONE TECHNOLOGIES AND ITS APPLICATIONS"

The Enkindle Club of JUIT, hosted an insightful Boot camp on "Drone Technologies and its applications" in collaboration with NIT, Kurukshetra, Haryana, India under a project "Capacity Building for Human Resource Development in Drone and Related Technology" of Ministry of Electronics & IT, Government of India, from April 14-18, 2025. The boot camp was led by Prof. Lilli Dewan (NIT Kurukshetra), alongside her expert team Prof. Mahesh Pal, Dr. Satyender, Dr. Shelza, Dr. Ritu Garg, Prof. Munish Garg, Dr. Mohit Dua, Dr. V.G.D. Rayudu, and Dr. Sanjay whose knowledge-rich and interactive approach ensured an enriching experience. The program bridged theoretical

learning and practical skill-building in drone technologies. The participants explored drone design, hardware, flight control systems, safety protocols, and engaged in simulation and live flying sessions.



WORKSHOP ON RAISING CAPITAL AND MANAGING FINANCE

Workshop on Raising Capital and Managing Finance was organised on April 26, 2025 in TIEDC. The workshop was designed to provide an immersive and practical learning experience for students of first year and aspiring entrepreneurs, focusing on the crucial themes of raising capital and managing finances in the context of startups and professional ventures. The workshop was conceptualized, organized, and conducted entirely by the second year TIEDC members, who took on the roles of facilitators, mentors, and activity leaders.



TALK BY GATE SMASHER MR. VARUN SINGLA



JUIT celebrated World Creativity and Innovation Day on April 18, 2025 in collaboration with IEEE JUIT SB. Prof. Ashok Gupta, Dean (A&R) delivered a motivating and congratulatory speech, emphasizing the importance of research, creativity, innovation, and perseverance in the journey of engineering students. His words set a powerful tone for the event, inspiring all attendees to pursue excellence. This was

followed by an impactful speech by Mr. Varun Singla, where he shared valuable insights into the life and mindset of an engineering student, providing the audience with practical advice and motivation. An engaging Q&A session with the audience followed, where Mr. Singla answered queries with enthusiasm and candor, further enriching the interaction.

BIOGENESIS – AN IDEATHON

ACM in collaboration with the Synapse Club and IIC organized Biogenesis- An ideathon on March 29, 2025 in JUIT. Biogenesis challenged participants to develop innovative solutions in the field of technology, health-care, and sustainability. Over the span of six hours, interdisciplinary teams worked intensively to ideate and present feasible, impactful solutions. The event concluded with a formal evaluation, where participants showcased their projects to a panel of judges. The ideathon successfully encouraged creative problem-solving and entrepreneurial thinking among the student community.



MOU WITH GOVERNMENT DEGREE COLLEGE JAWALAMUKHI

The JUIT signed a memorandum of understanding (MoU) with Freedom Fighter Pandit Susheel Rattan Government Degree College Jawalamukhi on March 05, 2025. The MoU was signed between Prof. Rajendra Kumar Sharma, Vice Chancellor, JUIT and Dr. Susheel Kumar Bassi, Principal, Government Degree College Jawalamukhi. It was coordinated by Prof. Sudhir Kumar, HoD, BT & BI. On this occasion, a workshop was also held at the campus of Government Degree College Jawalamukhi, under the chairmanship of the college principal. Prof. Sudhir addressed students' queries and concerns regarding career options and exam-specific preparation. He conducted a mock GAT-B exam for science students, followed by brainstorming sessions to provide expert advice and guidance on career planning and preparation strategies. A skill development workshop on microbiological techniques



was also organized where hands-on practice provided students with a foundational understanding of microorganisms.

ADVENTUM 2025

ADVENTUM 2025, the flagship annual technical event organized by the Association for Computing Machinery (ACM) – JUIT Student Chapter, was held from March 27-29, 2025 with the aim of fostering innovation, collaboration, and technological excellence. This three-day event provided a vibrant platform for students to engage in expert sessions, coding competitions, tech quizzes, and an ideathon encouraging creativity, problem-solving, and real-world application of skills. By bringing together aspiring technologists and industry leaders, ADVENTUM successfully bridged the gap between academia and industry while igniting technical curiosity across the campus.



GENDER SENSITIZATION AND WOMEN EMPOWERMENT AWARENESS CAMP

The Gender Champions Club, in collaboration with the Internal Complaint Committee (ICC), organized a session on "Gender Sensitization, Women Empowerment and Workplace Ethics" on March 05, 2025, in CR1. On the occasion of International Women's Week 2025, an expert talk by Dr. Shalini Dhadwal, a psychologist was organized, along with an interactive session. The session aimed to raise awareness about gender sensitivity, workplace ethics and inclusivity. Dr. Dhadwal highlighted how gender biases are deeply rooted in society and must be actively challenged. She

addressed workplace issues such as unequal pay, discrimination, and underrepresentation of women in leadership, stressing that gender equality benefits everyone. Digital posters created by students on the theme of International women Day 2025: Accelerate Action was displayed in the session. Students actively contributed with their digital posters, showcasing their understanding of gender sensitization and workplace ethics.



GENDER SENSITIZATION & LEGAL AWARENESS CAMP

"TOWARDS EQUALITY: GENDER SENSITIZATION & WORKPLACE ETHICS"

Organized By

GENDER CHAMPIONS CLUB, JUIT
&
INTERNAL COMPLAINT COMMITTEE

SPEAKER:

DR. SHALINI DHADWAL

05.03.25 AT 11 AM

VENUE: CR1


FACULTY COORDINATORS:-
DR. NANCY SINGLA
PROF. ANUPRIYA KAUR
PROF. HEMANT SODH

STUDENT COORDINATOR:-
TRIPTI BHARDWAJ
BTECH- BIOTECHNOLOGY



Gender Champions

ACCELERATE ACTION



CHAMPION WOMEN'S LEADERSHIP


Gender-diverse leadership is a proven competitive advantage. McKinsey says that businesses who are particular about gender diversity in their leadership have a 21% higher chance to be profitable. Companies with women in executive roles are also more likely to innovate and achieve better customer experiences. One effective way to ensure more women feature in your leadership team is by fostering mentorship programs. Unlike mentorship, which focuses on guidance, sponsorship involves actively advocating for talented women, helping them gain access to high-profile projects and decision-making roles. Prioritizing sponsorship helps at every stage of progression, and effectively addresses key issues like the broken rung to positively impact women's career trajectories.

EMPOWERMENT THROUGH EDUCATION AND TRAINING

MADE BY : MANASVI CHAUHAN (23111011)

#ACCELERATEACTION

International Women's day



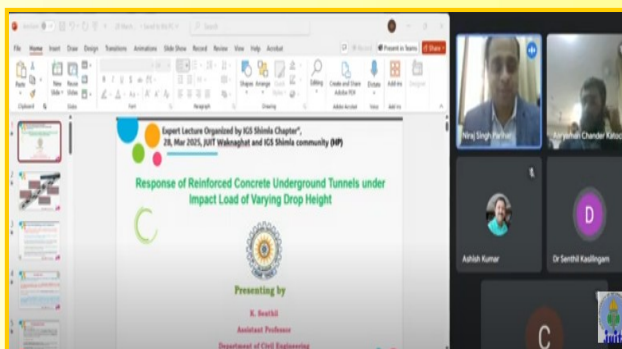
ANUSHKA MISHRA
2nd Year Btech Biotechnology

**DR. SHRUTI JAIN GOT A CHANCE TO ATTEND FACE TO FACE IEEE INDIA COUNCIL MEETING
AT G. L. BAJAJ ON APRIL 18, 2025.**



ETABS ONLINE TRAINING PROGRAM

To strengthen the computational and analytical skills of aspiring and practicing structural Engineers, the Civil Engineering Department, successfully conducted an intensive 15 Days ETABS Online Training Program from March 19, 2025 to April 02, 2025. Coordinated by Dr. Tanmay Gupta, the initiative was supported by CSI Engineering Software Pvt. Ltd., India, and expertly delivered by Mr. Anwesh Bhaduri. It aimed to provide participants with a deep, practical understanding of the ETABS software suite.

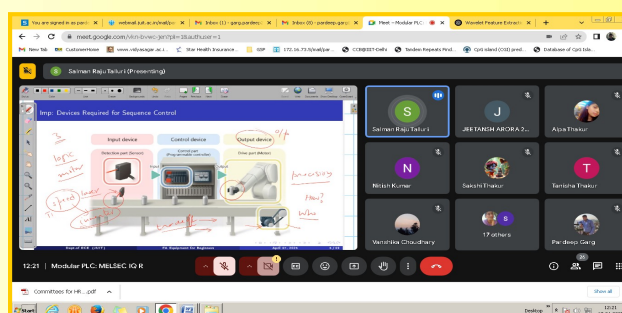


FA LAB TRAINING

The Department of ECE, JUIT organized a 2-day training session related to Mitsubishi FA set-up on the topic 'Modular PLC: MELSEC iQR' from April 17-18, 2025. The training was conducted in online mode and the students of ECE discipline from JUIT and ABVIET Pragati Nagar, Shimla joined the training sessions on both days.

Dr. Salman started the session with a presentation on the topic 'iQ-R PLC'. He covered the fundamentals of Automation, its need, and the practical applications with emphasis on PLC. All the students successfully

completed the session which remained very helpful for them.



EXPERT LECTURE ON UNDERGROUND TUNNELING

The IGS Shimla chapter in association with the Department of Civil Engineering, JUIT, organized an online expert lecture in the field of underground tunneling technology on March 28, 2025, keeping in view the rising interest of both geotechnical and structural engineers on the topic. The speaker of the event Dr. Senthil Kasilingam was invited by the Secretary of IGS Shimla chapter to post a brief introduction of his expertise in the field. The lecture demonstrated the role of tunnel cross section in tackling the external loads with focus on the impact loading response of the tunnel in varying conditions of the field.



MEETING OF IGS SHIMLA CHAPTER WITH IGS PRESIDENT



A meeting was conducted by IGS Shimla chapter with the President of Indian Geotechnical Society, Dr. Anil Joseph on April 29, 2025. Prof. Ashok Kumar Gupta, chairman of IGS Shimla chapter, Dr. Niraj Singh Parihar, Secretary of IGS Shimla chapter and Prof. Ashish Kumar, HoD, Civil Engineering Department, hosted a meet with the president of IGS. The meeting aimed at discussions on the current scenario of the local chapter of IGS with further suggestions from the President, IGS for improvising the chapter on various grounds and adding various technical activities to the IGS Shimla chapter with the support of the IGS main body.

AI-ML TRAINING WORKSHOP

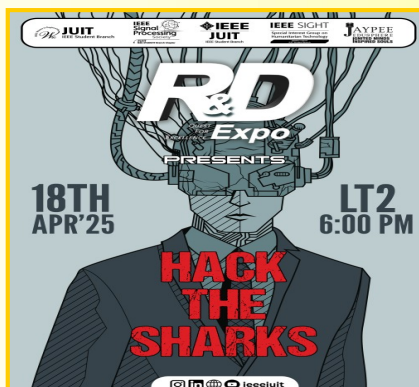
The Department of CSE/IT organized a 15 days comprehensive training workshop on Artificial Intelligence and Machine Learning (AI-ML) in March, 2025 aimed at bridging the gap between industry practices and academic learning. The workshop was held with the objective of enriching students' and faculty members' understanding of cutting-edge AI-ML technologies and their real-world applications. Mr. Ashish Prasad, an esteemed industry expert from Microsoft, Bangalore, served as the resource person for the sessions. With his vast experience and in-depth knowledge of the domain, Mr. Prasad delivered insightful and engaging lectures, hands-on demonstrations, and interactive discussions that provided participants with valuable exposure to industry-relevant AI-ML tools and methodologies. The workshop successfully created a platform for



knowledge exchange, enabling participants to gain practical insights into current industry trends while fostering a deeper understanding of AI-ML concepts.

HACK THE SHARKS

Hack the Sharks marked an electrifying celebration of innovation, creativity, and relentless problem-solving by IEEE JUIT SB. Students from diverse backgrounds came together to participate in this 18-hour long hackathon, pushing their limits to design and develop impactful apps or websites based on the provided problem statements. With a ticking clock and boundless



enthusiasm, teams brainstormed, coded, and crafted solutions aimed at addressing real-world challenges. The event not only tested technical skills and creativity but also encouraged collaboration, critical thinking, and endurance. Hack the Sharks provided a platform where ideas turned into reality, and passion met purpose all within a thrilling race against time.

CIRCUIT CONNECT WORKSHOP

The Circuit Connect Workshop was a foundational, hands-on learning experience designed for first-year students to strengthen their understanding of basic electrical sciences. The event was conducted by IEEE JUIT SB in collaboration with IIC, JUIT on March 21, 2025 in ECL5, ECE. The workshop provided students with hands-on experience in basic electronics, bridging the gap between theoretical knowledge and practical application that helps in innovation, entrepreneurship. Participants learned to build and test circuits on breadboards, exploring key components like resistors, capacitors,



diodes, and transistors. Through interactive exercises and guided demonstrations, they gained essential circuit design and troubleshooting skills, fostering curiosity and problem-solving abilities in electronics. This hands-on session introduced students to core electronics principles and circuit assembly. By working directly with components, participants developed foundational skills essential for electronics and electrical engineering careers. They built circuits, tested connections, and diagnosed issues, gaining confidence for future projects.

AWARENESS SESSION ORGANISED BY RPFC, SHIMLA "NIDHI AAPKE NIKAT"

An awareness session titled "NIDHI AAPKE NIKAT" was organized by the Regional Provident Fund Commissioner (RPFC), Shimla at JUIT on April 28, 2025.

The ESI awareness session was conducted by Mr. Sarwan Kumar, Inspector ESI Baddi Branch & EPFO awareness session was conducted by Mr. Ritesh, Enforcement Officer & Mr Amit Bhatt, Asstt. RPFC, Shimla. The session aimed to educate faculty, staff, and administrative personnel about Employees' Provident Fund (EPF) benefits, procedures, digital services, and grievance redressal mechanisms. Officials from the EPFO provided valuable insights on UAN activation, claim settlements, nomination updates, and recent reforms. The interactive session allowed participants to clarify queries and understand their rights and responsibilities under the EPF scheme.



INNOVATEX, 2025

InnovateX 2025 was organized by IIC, JUIT in collaboration with IEEE and TIEDC on March 25, 2025 in Ground floor of Academic block at JUIT, Solan. The event emerged as a premier innovation and technology expo, bringing together visionaries, developers, researchers, startups, and students under one roof to explore the future of technology. Designed to foster a culture of innovation, collaboration, and problem-solving, the event served as a dynamic platform to showcase advancements across a spectrum of fields, including software development, artificial intelligence (AI), Internet of Things (IoT), sustainability solutions, and cybersecurity.



CODE RUMBLE

IEEE JUIT Student Branch organized *Code Rumble*, a unique coding competition emphasizing both technical skills and teamwork. Teams of two tackled Easy, Medium, and Hard problems, nominating one member to solve each while the other waited outside. Limited swaps introduced a strategic twist, requiring thoughtful decision-making and trust. Judging was based on code accuracy, efficiency, time, and swap usage. The event successfully fostered collaboration, problem-solving, and peer learning in a high-pressure, engaging environment, setting it apart from traditional coding contests. The event was conducted on March 01, 2025.



TECH-TRIATHLON

Tech-Triathlon was a multifaceted event comprising three stages: Code Sprint, Debugging Blitz, and Tech Trivia Showdown. In the Code Sprint, participants were tasked with solving algorithmic challenges efficiently. Debugging Blitz required them to identify and fix code issues under time pressure, while the Tech Trivia Showdown tested their knowledge of technology through a fast-paced quiz. This competition effectively combined logic, speed, and precision to evaluate participants' technical proficiency. The event was conducted on April 02, 2025



FACULTY CORNER

1. Dr. Vikas Baghel and Dr. Emjee attended one day workshop on “ISRO-Academia Connect for Norther Region” at NIT Kurukshetra on April 08, 2025.
2. Prof. Sudhir Kumar delivered a lecture on “Best Practices in Teaching” for faculty members at Government Degree College Jawalamukhi on March 05, 2025.
3. Nikhil Kumar Marriwala, Shruti Jain, Vinod Kumar Shukla, Dinesh Kumar, published book titled Hybrid Soft Computing Techniques for Machine Learning and Optimization, April, 2025, DOI: 10.4018/979-8-3693-6864-0, ISBN13: 9798369368640. <https://www.igi-global.com/book/hybrid-soft-computing-techniques-machine/346220>
4. Prof. Shruti Jain delivered talk entitled “High Speed Networking and Information Security” on April 02, 2025 at the INDIACom-2025; the 19th Edition of International Conference on Computing for Sustainable Global Development, organized from 02nd – 04th April, 2025 at Bharati Vidyapeeth, New Delhi (INDIA).
5. Prof. Shruti Jain moderated panel discussion on “Empowering women engineers : Strengthening collaboration for collective impact and growth through IEEE” on April 18, 2025 at G.L. Bajaj Institute of Technology & Managemnet, Greater Noida.



6. Prof. Sunil Khah, Prof. Hemant Sood, Prof. Shruti Jain, Prof. Ashish Kumar, and Dr. Saurabh Srivastava successfully participated in the Master class series under IP Utsav, organized virtually by the All India Council for Technical Education (AICTE) and Ministry of Education's Innovation Cell (MIC) from April 21-26, 2025.
7. Dr. Saurabh Rawat delivered an expert talk on “Stability of slopes” at Guru Daksh Government Polytechnic, Hisar, Haryana on March 03, 2025.
8. Mr. Chandra Pal Gautam delivered an expert talk on ‘Earthquake resistant Buildings’ at Guru Daksh Government Polytechnic, Hisar, Haryana on March 03, 2025.
9. Dr. Saurabh Rawat delivered an expert talk on “Enhancing Slope Stability with Soil Nailing: Technique, Application, and Advancement” at Rajiv Gandhi Government Polytechnic, Narwana, Haryana on March 04, 2025.
10. Mr. Chandra Pal Gautam delivered an expert talk on ‘Earthquake Engineering’ at Rajiv Gandhi Government Polytechnic, Narwana, Haryana on March 04, 2025.

11. Dr. Saurabh Rawat delivered an expert talk on “Soil Compaction: Some Insights” at Government Polytechnic, Mandi Adampur, Haryana on March 05, 2025.
12. Mr. Chandra Pal Gautam delivered an expert talk on ‘Earthquake resistant construction’ at Government Polytechnic, Mandi Adampur, Haryana on March 05, 2025.
13. Dr. Amardeep delivered an expert talk on “Identification of follower and non following vehicles on two lane highways” at GBN Govt. Polytechnic Nilokheri, Haryana on March 27, 2025
14. Dr. Kaushal Kumar delivered an expert talk on “Condition evaluation methods of existing structures” at GBN Govt. Polytechnic Nilokheri Haryana, on March 27, 2025.

BUSINESS MODEL CANVAS

Chit-To-Chat (Business Model Canvas) was organised from April 30–May 01, 2025 in offline mode in TIEDC. The primary objective of the event was to provide a hands-on learning experience to first-year students by introducing them to the core concepts of ideation, entrepreneurship, and marketing. The event

was designed to promote creativity,

teamwork, and strategic thinking among first-year students. Each team comprised two first-year students and one second-year student acting as a mentor to guide and support the team throughout the activity. This structure encouraged peer learning and fostered stronger bonds between batches.



EXPLORING SUSTAINABLE ENERGY SOLUTIONS: A HANDS-ON LEARNING EXPERIENCE

On April 04, 2025, students from the College of Horticulture and Forestry, Neri, Hamirpur, Himachal Pradesh, visited the Department of Civil Engineering at JUIT, for an interactive and educational session focused on sustainable energy generation. The visit was part of their 6 week training program in Biotechnology & Bioinformatics department of university to familiarize the students about renewable energy technologies, and rural empowerment through hands-on exposure to real-world solutions.

The session was conducted by Prof. Ashish Kumar, who introduced the students to an innovative project involving biogas production from food waste using a portable one-stage digester system. This plant is installed within the department premises, featuring a 1000-litre anaerobic digester and a 750-litre capacity gas holder. It serves as a working model of how waste-to-energy technologies can be effectively deployed in rural and semi-urban settings.

The biogas plant uses food waste, converting it into usable methane gas through anaerobic digestion. The daily output is sufficient to fuel a pantry kitchen gas burner for 40-45 minutes, primarily used for making tea for staff. This real-time demonstration offers a practical solution to rural cooking needs while minimizing dependence on LPG and firewood, thereby reducing



environmental impact and household energy costs. He emphasized the importance of such sustainable solutions, especially in rural Himachal Pradesh, where food waste management and clean energy access are pressing challenges. The portable digester system is low-cost, above the ground, easy to maintain, and scalable making it highly suitable for households, small institutions. Not only he addresses food waste disposal, but it also produces organic slurry as a by-product, which can be used as nutrient-rich bio-fertilizer, thus supporting integrated farming practices.

TWO-WEEKS WORKSHOP ON “ADVANCED MOLECULAR BIOLOGY AND PLANT TISSUE CULTURE TECHNIQUES”

The Department of BT&BI has organized a Two-weeks workshop on “Advanced Molecular Biology and Plant Tissue Culture Techniques” from March 24 – April 05, 2025 for B. Tech. BT final year students from the College of Horticulture and Forestry, NERI, Hamirpur (HP). The participants have hands-on experience with different techniques and technologies of advanced molecular biology and plant biotechnology for their technical skill and knowledge enrichment under different sessions. The workshop was coordinated by Prof. Jata Shankar (HoD-BTBI) & Prof. Hemant Sood. They expressed their gratitude for all the support and facilitations provided by the faculties, staff and administration of NERI, Hamirpur, and JUIT, Wankhaghat for the smooth conductance of the workshop.



LE FIESTUS 2025 – ANNUAL FEST

JUIT hosted its much-anticipated annual fest Le Fiestus from April 25-27, 2025. The three-day celebration was a dynamic blend of music, culture, and talent.

Day 1 began with a Saraswati Pooja, followed by engaging events like Antakshari, JUIT's Got Latent, and a mesmerizing cultural night. The evening lit up with performances by Anshika Pandey and DJ Tracer.

Day 2 featured the open mic event Raabta, Human Foosball, and high-energy musical acts by Ablaze, Danny, and DJ Suitup.

The fest concluded on Day 3 with laughter from stand-up comedian Appurv Gupta, a soulful performance by Nikhil D'Souza, and a high-octane closing set by DJ Young & Broke.

Le Fiestus 2025 was a spectacular showcase of student enthusiasm, creativity, and unforgettable performances.



OUTREACH ACTIVITY

1. Dr. Saurabh Rawat, Mr. Chandra Pal Gautam, and Dr. Hari Singh, JUIT visited Guru Daksh Government Polytechnic, Hisar, Haryana, Government Polytechnic, Tohana, Haryana, Rajiv Gandhi Government Polytechnic, Narwana, Haryana and Government Polytechnic, Mandi Adampur, Haryana from March 03-05, 2025.
2. The career counselling cell of the college organized an interactive session led by Prof. Sudhir Kumar JUIT Solan on March 06, 2025 at Govt. Arya Degree College Nurpur. He focused on equipping students with the latest strategies for preparing for competitive examinations. He briefed the students on examination patterns, relevant study materials and effective time management to empower them to crack competitive examinations with confidence and a well-defined strategy. He also addressed the

students' queries and concerns regarding career options and exam-specific preparation. As part of the series of activities, a skill development workshop on microbiological techniques was also organized by the skill development cell of the college.



ECOBYTES

Ecobytes was an impactful environmental initiative undertaken by the Rotary Club of Shimla with Rotaract Club of Wagnaghat. Recognizing the urgent need for sustainable waste management, this project focused on collecting, disposing off and upcycling waste responsibly. Through Ecobytes, rotaractors actively engaged in a waste collection drive, encouraging students and faculty to contribute recyclables and non-biodegradable waste. With Rotary's support, the collected waste was systematically sorted, ensuring

proper disposal and exploring upcycling opportunities. By working hand in hand with Rotary, Ecobytes exemplified the shared vision of creating a cleaner and greener future, inspiring individuals to adopt eco-friendly habits for long-term impact. The collected e-waste was handed over to the Rotary Club of Shimla for further recycling or upcycling through certified processes.



HACHE

HACHE offered a rigorous platform for cyber security enthusiasts to demonstrate their skills in a competitive Capture the Flag (CTF) format. The event was conducted on March 27, 2025 by ACM and IIC.

The event started with the informative Cyber security Session, introducing students to key concepts like ethical hacking, digital threats, and system vulnerabilities that help in entrepreneurship and startups. The session included live demonstrations, offering practical insights into how cyber attacks occur and how they can be prevented. It sparked curiosity among participants and highlighted the growing importance of cyber security in the modern tech landscape. The session was highly interactive and sparked strong interest among attendees, emphasizing the growing demand for security awareness in today's digital ecosystem.

Participants were presented with a series of real-world challenges involving ethical hacking, cryptography, reverse engineering, and network security. The event tested technical proficiency, analytical thinking, and teamwork under pressure. It served as a practical exposure to cyber security scenarios, pushing participants to apply their knowledge in time-bound situations.



MURIOUS 19.0

Murious 19.0, JUIT's Annual Technical Festival, was an exhilarating celebration of innovation and technology. Organized by the JYC Technical Sciences, Movies & Photography Club in collaboration with IEEE, ACM, SIAM, and TIEDC, the event spanned three days of dynamic competitions. Highlights included an 18-hour Hackathon, Blind Coding, Stock Simulation, UI/UX

challenges, and tech quizzes. With a total prize pool of Rs 50,000, participants showcased exceptional skills. The event concluded with Synchrotron, a grand cultural night. Murious 19.0 successfully fostered creativity, technical prowess, and spirited competition, making it a memorable experience for all attendees. The event was conducted on Feb. 28, March 01-02, 2025.



COLORS OF GIVING 2.0: DONATION DRIVE

JYC Koshish Club organized Colors of Giving 2.0, a donation drive aimed at extending support to those in need. The event took place on March 04-05, 2025, from 5:30 PM to 9:00 PM at the Open Cafeteria (OC). This initiative encouraged students, faculty, and staff by contributing essential items such as clothes, stationery, books, and toys to bring comfort and happiness to underprivileged individuals. The club believes that small acts of generosity can be deeply valued and distributed to those who need them the most.

The drive was followed at Shanti Niketan Children's Home, an orphanage located in Subathu, Solan. The visit aimed to interact with the children, provide them with educational support, and introduce them to the basics of Vedic Mathematics. The event fostered a spirit of learning, engagement, and joy, making it a memorable experience for both the students and the volunteers.



JUIT'S SUCCESS AT AAROHAN 2025

JUIT secured 5th position among 16 prestigious institutions at Aarohan 2025, IIT Ropar's Annual Sports Fest. Our teams demonstrated exceptional performances, with the Men's Volleyball team emerging as First Runner-Up, while both Men's and Women's Powerlifting teams secured Second Runner-Up positions. These achievements reflect the dedication and perseverance of our students.

Individual Achievements

Bhavika Sood – Powerlifting (Women, Open) – Silver Medal

Sneha Kaur – Powerlifting (Women, Under 66 Kg) – Gold Medal

Tanishq Gupta – Powerlifting (Men, Under 66 Kg) – Bronze Medal

Abhishek Chauhan – Powerlifting (Men, Under 83 Kg) – Bronze Medal

Aatesh Yadav – Powerlifting (Men, 93+ Kg) – Bronze Medal

Ayush Rawat – Athletics (5000m Run) – Bronze Medal

Pradyumn Vashishth – Shot Put (Open) – Silver Medal



RANGOTSAV

Rangotsav was a vibrant celebration organized by the Rotaract Club of Wagnaghat to bring members together in the spirit of Holi, the festival of colors. The event aimed to strengthen bonds among Rotaractors while embracing the joy, unity, and cultural significance of the festival. Through colors, laughter, and shared festivities, Rangotsav fostered camaraderie and inclusivity within the club, encouraging members to take a break from their routines and celebrate together. The event also emphasized the importance of togetherness and positivity, aligning with Rotaract's mission of fostering friendships and community spirit.



SHE DESERVES



She Deserves – Phase 2 was a continued initiative by the Rotaract Club of Wagnaghat in collaboration with the Rotary Club of Shimla to promote menstrual hygiene and support underprivileged girls. Building on the success of the first phase, this project focused on direct impact and outreach. The Rotary Club of Shimla generously provided 50 sanitary napkin packets, which were then donated by our club to the Government Senior Secondary School in Domehar, reaching girls from classes 11 and 12. The initiative aimed to not only provide essential menstrual products but also spread awareness about hygiene and health, breaking taboos around menstruation.

TIE & DYE

The *Tie & Dye* event, organized by the Rotaract Club of Wagnaghat, was a creative and engaging initiative designed to bring members together through art and self-expression. This hands-on activity allowed participants, especially the women of the club, to explore their artistic side by experimenting with vibrant colors and unique dyeing techniques on fabric. The event served as a fun and interactive way to promote sustainable fashion by encouraging upcycling of old fabrics. It also provided a relaxing break from routine activities, reinforcing the importance of creativity and community bonding. Through *Tie & Dye*, the club not only celebrated artistic expression but also encouraged members to embrace sustainable practices, making it a colorful and meaningful experience for all involved.



THE 456 ODYSSEY: SQUID GAMES

The 456 Odyssey: Squid Games was an exciting event by the Rotaract Club of Wagnaghat on March 2025, designed to attract students to Rotaract through fun and competition. Inspired by Squid Game, it featured strategic challenges that tested agility, teamwork, and problem-solving skills in a safe and enjoyable environment. Beyond entertainment, the event aimed to introduce participants to the dynamic spirit of Rotaract, fostering resilience, camaraderie, and leadership. 456 Odyssey successfully combined fun with engagement, leaving a lasting impact by showcasing how Rotaract blends community service with exciting experiences, making it an integral part of student life.



DISTRICT-LEVEL VIKSIT BHARAT YOUTH PARLIAMENT 2025

JUIT, proudly hosted the district-level round of Viksit Bharat Youth Parliament 2025 on March 18, 2025, serving as the Nodal Center for Shimla and Kinnaur districts. This prestigious event, initiated by the Ministry of Youth Affairs and Sports, Government of India, aims to cultivate leadership, policy awareness, and democratic engagement among youth.

JUIT's selection as the Nodal Center highlights its academic excellence and commitment to fostering intellectual discourse. The program, designed for individuals aged 18 to 25, follows a four-stage selection process, beginning with a one-minute video submission on the My Bharat Portal. After rigorous screening, 150 participants from Shimla and Kinnaur were shortlisted for the district-level competition at JUIT.

The inauguration ceremony saw the presence of esteemed university officials, faculty, and jury members who commended JUIT's proactive role in hosting such nation-building initiatives. The distinguished jury panel featured:

- Dr. Sandhya Sharma— Head, Department of English, Rajkiya Kanya Mahavidyalaya, Shimla



- Ms. Deepika Sharma, Editor, Asar News
- Dr. Puneet Bhushan, Assistant Professor, HPU Business School, Shimla
- Ms. Sheetal Sharma Vyas, Advocate, High Court of Shimla
- Dr. Neena Jindal, Assistant Professor, JUIT, Wagnaghat

The event's highlight was an insightful debate on "One Nation, One Election," where over 50 participants showcased their analytical and oratory skills, reinforcing the university's role in fostering intellectual growth and democratic awareness.





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