



JUIT
IEEE Student Branch



JUIT IEEE Student Branch Chapter



The **JUIT**
IEEE Student Branch



siam JUIT
Society for Industrial and Applied Mathematics



JAYPEE | **IGNITED MINDS**
JEDUSPHERE | **INSPIRED SOULS**



A NEWSLETTER OF JUIT

Hilly Ramblings



- <https://www.facebook.com/JUITWSolan>
- <https://www.linkedin.com/school/496220/admin/>
- <https://www.twitter.com/JuitWaknaghat>
- https://www.instagram.com/juit_waknaghat/
- <https://www.youtube.com/watch?v=LpEitGwcQ1s>

INTRODUCTION OF NEW PROGRAM

JUIT is happy to announce a new programme, Bachelor of Computer Applications (BCA), with specialization in AI/ML and AI/DS by the Department of Mathematics from 2025 onwards. The objective of the program is:

- To provide students with a strong foundation in computer science principles and applications.
- To enhance students' problem-solving and analytical skills through advanced mathematical techniques.
- To prepare graduates for diverse career opportunities in the IT industry and beyond.
- To foster interdisciplinary collaboration and research within the university.

The duration of the program is 3 years (6 semesters) with multiple entry and exit. The following options will be provided to the students in accordance with the NEP.

- One year: Under graduate certificate in computer applications
- Two years: Under graduate diploma in computer applications

PATENTS

Design Patent Granted:

- **“Dual Open Fruit Harvesting Bag”**, Inventors: Technology Incubation and Entrepreneurship Development Cell (TIEDC), Suraj Kumar / Journal No is 45/2024 and Journal Date is 08/11/2024.
- **“Automatic Fire Extinguisher”**, Inventors: Deepak Gupta, Ekta Gandotra / Journal No is 48/2024 and Journal Date is 29/11/2024.
- **“Smart Pour Tea Pan”**, Inventors: Anita Sardana, Seema Verma /Journal No is 48/2024 and Journal Date is 29/11/2024.
- **“Device for Monitoring and Analyzing Plant Acoustic Frequencies”**, Inventors: Poonam Sharma, Swalpanaa, Vikrant Abbot, Hemant Sood / Journal No is 49/2024 and Journal Date is 06/12/2024.

Patent Published:

- **“Microfine Slag Amended Blue Leather Waste Ash as a Novel Material of Treating Expansive Soil”**, Inventors: Niraj Singh Parihar and Ashok Kumar Gupta, September 6, 2024.
- **“A Green Biocomposite of Wheat Straw, Mycelium, and Pine Needle for Cushioning in Packaging Applications”**, Inventors: Himanshu Kumar, Suhani Bhgata, Anil Kant. November 8, 2024.

PhD COMPLETED

- **Preetpal Singh (CE-176602)** completed his Ph.D. in November 2024.
Title: Characterization of Clayey Soil Using Various Additives.
Supervisors: Dr. Amardeep and Prof. Ashok Kumar Gupta
- **Payal Thakur (CSE-196201)** completed her Ph.D. in December 2024.
Title: Stochastic Neuromorphic Cyber Physical Systems Design.
Supervisors: Prof. Vivek Kumar Sehgal

DR. TANU JAIN AND DR. GAURAV GUPTA AT JUIT

The IEEE JUIT Student Branch in collaboration with IEEE Delhi Section and IEEE WIE AG Delhi section hosted two distinguished guest speakers, Dr. Tanu Jain and Dr. Gaurav Gupta, on December 6, 2024. Their presence brought a wealth of knowledge, personal insights, and motivation to the attendees.

Dr. Tanu Jain, a renowned former bureaucrat and motivational speaker, delivered an energizing speech for students, particularly those pursuing competitive exams. Dr. Jain shared her personal journey and spoke on the importance of resilience, dedication, and self-belief in

Dr. Gaurav Gupta is the first Indian to earn a doctorate in Digital Forensics and has dedicated his career to raising awareness about technological frauds and cybercrimes. During his talk, he highlighted the growing threats of digital frauds and the importance of digital security in



overcoming obstacles. She offered invaluable insights on how to stay focused and manage the challenges of preparing for high-stakes exams, emphasizing the role of discipline, time management, and maintaining mental well-being. Her words resonated deeply with the students, inspiring them to pursue their dreams with determination and a positive mindset.

today's technological landscape. Dr. Gupta's words resonated with the students, urging them to consider careers in digital forensics and to be proactive in identifying and preventing technological crimes. Both Dr. Jain and Dr. Gupta shared not only their valuable knowledge but also real-life experiences, inspiring students to dream big and pursue their goals with determination.

WOMEN LEADERSHIP PROGRAMME

Prof. Anupriya Kaur, Prof. Shruti Jain and Prof. Hemant Sood represented JUIT in Women Leadership Programme organized by UGC-Ministry of Education at IIT Delhi on December 13, 2024.



VISHWAKARMA AWARDS FOR ENGINEERING INNOVATION 2024, IIT HYDERABAD

The Vishwakarma Awards, organized by the Maker Bhavan Foundation in partnership with IIT Hyderabad Technology Incubation Center, is a prestigious platform fostering innovation to address real-world problems. JUIT students secured 3rd position in the prestigious event which was held from December 21-22, 2024, under the theme 'Smart Mobility' with project title "Geo-Localization of UAV Aerial Maps with Real-Time Communication using Raspberry Pi Flight Controller". Saurav Kumar (UG, 3rd Year, CSE), Yash Tripathi (UG, 3rd Year, CSE) and Superb Rialch (PG, 1st Year, ECE) were the team members who were mentored by Dr. Pardeep Garg (ECE Department). This remarkable achievement reflects the hard work, innovation, and collaborative spirit of the team.



RIDE HACK'24

The poster for RIDE HACK 2024 winners features a dark blue background with a grid pattern. At the top left is the JUIT logo, and at the top right is the Jaypee Edusphere logo. The text 'RIDE HACK' is prominently displayed in red and white. Below it, 'Congratulations RIDE HACK, 2024 WINNERS' is written in white. Six circular portraits of the winners are arranged in two rows of three. Each portrait is accompanied by the winner's name and their project name.

Winner Name	Project Name
Divyansh Goel	Aanandam
Nitish Sharma	Glam AI
Krish Monga	Trash 2 Treasure
Sidhant Singh	Trash 2 Treasure
Shivansh Mahajan	Trash 2 Treasure

Phase 3 of RIDE Hack'24 was scheduled on November 23, 2024 at JIIT Noida. 500 students of Jaypee Higher Education Institutions participated in the event, where total of 21 student startups were chosen at the RIDE Innovation Hub, of which 3 are from JUIT.

- Trash2treasure by Krish Monga, Sidhant Singh and Shivansh Mahajan.
- Introduction to the Hair styling and Salon-AI model App by Nitish Sharma.
- Aanandam by Divyansh Goel.

EIGHTH INTERNATIONAL CONFERENCE ON PARALLEL, DISTRIBUTED, AND GRID COMPUTING (PDGC-2024)

The Eighth International Conference on Parallel, Distributed, and Grid Computing (PDGC-2024), held from December 18-20, 2024 at JUIT, was a monumental event that showcased the latest advancements in computing. This hybrid conference, brought together leading academics and industry professionals, featured an impressive lineup of keynote speakers, including Prof. Fatos Xhafa (Prof. Catedràtic' Universitat, Dept. de Ciències de la Computació, Universitat Politècnica de Catalunya, Barcelona, Spain), Prof. Tamas Kiss (Director of Research Centre for Parallel Computing, School of Computer Science and Engineering, University of Westminster, London, UK), Prof. Dhableswar Panda (Distinguished Professor of Engineering, Computer Science and Engineering, The Ohio State University, USA), Prof. Kalyanmoy Deb (University Distinguished Professor, Michigan State University, East Lansing, Michigan, USA), Prof. D. P. Vidyarthi (School of Computer and System Sciences, JNU, New Delhi, India), Prof. Kishore Kothapalli (Dean of Academics, Interna-

tional Institute of Information Technology, Hyderabad, India), and Dr. Apurba Das (Global Head, Cognitive Artificial Intelligence Unit, Tata Consultancy Services, Bangalore, India). PDGC-2024 received 739 paper submissions from several



countries, with a rigorous peer-review process selecting only 144 papers (an acceptance rate of 19.50%) for presentation in 23 technical sessions. These sessions fostered engaging discussions on diverse topics, providing a platform for intellectual exchange and collaboration. The event's success lies in its ability to bridge academia and industry, creating a space for innovation, networking, and impactful research.

AHARNIDHI VARDHANAM

Aharnidhi Vardhanam was an event organized on November 24, 2024 at Himgiri Kalyan Ashram, Solan which was driven by the understanding that nutrition and education are fundamental to a child's growth, particularly in underprivileged communities. By raising funds and providing essentials like food and stationary to the children of Himgiri Kalyan Ashram, the initiative sought to address their immediate needs

while fostering long-term well-being. Beyond material aid, the project emphasized the importance of balanced nutrition for a healthier life, empowering children with knowledge to make informed choices. This initiative reflected a deep commitment to nurturing both the body and mind, creating a foundation for their brighter and more self-reliant future.

BEST IEEE MEMBERSHIP ENHANCEMENT AWARD 2024



IEEE JUIT Student Branch has been honoured with the prestigious best IEEE Membership Enhancement Award 2024 at DELCON 2024, the flagship conference of the IEEE Delhi Section. The award was received on behalf of our Student Branch by the esteemed Dr. Shruti Jain, Branch Counsellor. This recognition is a testament to our collective efforts in creating a dynamic, engaging, and inclusive community for engineering and technology enthusiasts.

OUTSTANDING WIE STUDENT VOLUNTEER AWARD

We are thrilled to announce that, for the very first time, Saanch Sapra, Chairperson, WIE, IEEE JUIT-SB won the IEEE India Council Award in the category of Outstanding WIE Student Volunteer Award. Her remarkable dedication to the



advancement of WIE has brought recognition to the institute, inspiring so many others. This achievement is a testament to the hard work, leadership, and commitment of our IEEE JUIT family.

CODE WITH TRUST

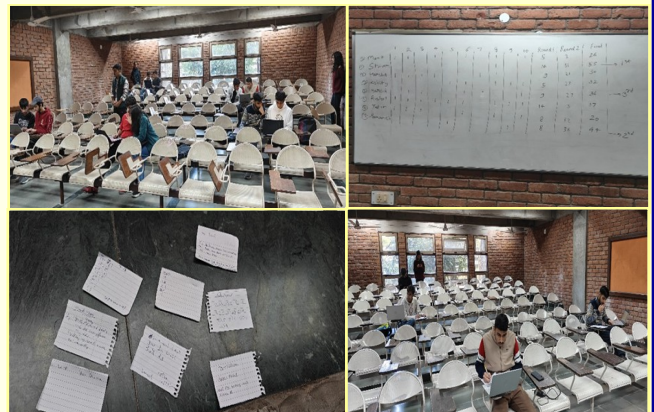
On December 8, 2024, the IEEE WIE JUIT SB in collaboration with IEEE WIE AG Delhi Section hosted *Code with Trust*. This event combined technical skills with strategic collaboration and introduced an exciting twist: participants' performance directly impacted their teammates' scores. The competition attracted numerous tech enthusiasts and provided them with a unique opportunity to test their coding skills, teamwork, and strategic thinking in a fun and competitive environment. The event consisted of two rounds, each designed to challenge participants with innovative rules and scoring systems.

Round 1: HackerRank Challenge

Participants tackled a set of coding problems on HackerRank. This round tested their individual technical expertise and laid the foundation for their team-based performance in the next round.

Round 2: Collaborative Coding Test

In this round, participants were paired with



teammates, and their scores depended on both their own performance and their partner's.

The event featured a diverse group of participants. After two intense rounds, the top three performers emerged as winners:

1st Prize: Shivam Sharma

2nd Prize: Saransh Dogra

3rd Prize: Hardik Mittal

INAUGURAL CEREMONY OF THE IEEE SIGNAL PROCESSING SOCIETY (SPS) JUIT SB CHAPTER

IEEE JUIT SB inaugurated IEEE Signal Processing Society (SPS), JUIT Student Branch Chapter, on November 20, 2024. The ceremony marked the beginning of an exciting journey dedicated to fostering innovation and excellence in signal processing at JUIT. With the establishment of this chapter, we aim to provide students with exceptional opportunities to explore cutting-edge research, connect with industry leaders, and contribute to the rapidly evolving field of signal processing. The event featured welcome address by esteemed faculty members and insightful talks on the significance of signal processing in engineering and technology.



HACK-A-CARE 3.0

Hack-a-Care 3.0 was organized by Rotaract club of Wagnaghat on November 16, 2024 at JUIT. The event was inspired by the urgent need for innovation in healthcare, especially in areas often overlooked. This hackathon aimed to ignite the creativity of young minds, challenging them to tackle pressing issues such as mental health, elderly care, telemedicine, and accessibility. By leveraging technology, the event provided a

platform for participants to think critically, collaborate, and design solutions that could transform healthcare delivery. It envisioned empowering change-makers to bridge gaps in healthcare systems, fostering ideas with the potential to make healthcare more inclusive, efficient, and accessible, thus driving meaningful impact in communities worldwide.



ROBOTIC ARM WORKSHOP

The Enkindle Club successfully conducted a 3-day Robotic Arm Workshop from November 15-17, 2024. The event was structured to cater to different batches of students, ensuring an inclusive and personalized learning experience. The workshop focused on equipping participants with a strong foundation in robotics, specifically the design, assembly, and programming of robotic arms. Each day, the workshop followed a consistent format, beginning with a theoretical introduction to the principles of robotic systems, including mechanical structures, kinematics, dynamics, and real-world applications. Following the theoretical sessions, participants engaged in hands-on activities where they assembled and calibrated robotic arms. Under the guidance of expert mentors and lab coordinators, they explored the use of sensors, actuators, and controllers, developing practical skills essential for robotics projects. The final session focused on programming, where students learned to code robotic arms for precise movements and real-world



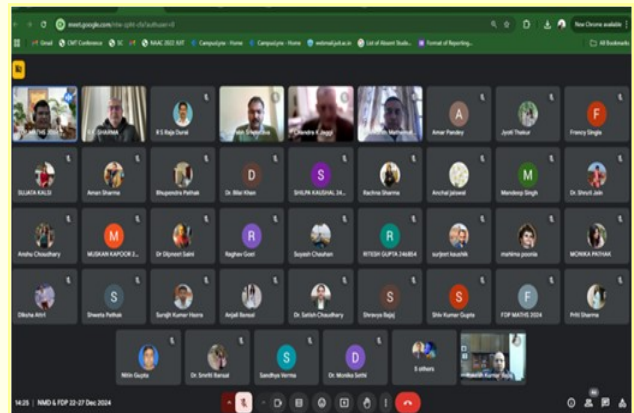
applications, such as object manipulation.

The workshop's success was made possible through the dedicated efforts of the organizing team and the support of key faculty members and university leadership. The event was coordinated by Dr. Aman Sharma and Dr. Anita Sardana from the Department of CSE, JUIT, with hands-on assistance provided by lab coordinators Mr. Pramod Kumar, Mr. Dharendra Kumar Singh, and Mr. Deep Narayan Tripathi.

NATIONAL MATHEMATICS DAY CELEBRATION AND INAUGURAL CEREMONY OF FDP

The Department of Mathematics organized a vibrant celebration of National Mathematics Day on December 22, 2024. This event marked the birth anniversary of the renowned Indian mathematician Srinivasa Ramanujan and was coupled with the inauguration of a week-long online Faculty Development Program (FDP) on “Data Science in Financial Statistics & Predictive Analysis with R”. Distinguished guests, faculty members, research scholars, and students actively participated in the event, making it a resounding success. Around 70 participants from various universities and institutes attended the event. Prof. Chandra Kant Jaggi, Senior Professor & former Head, Department of Operational Research, University of Delhi, was the chief guest of the program and delivered the inaugural lecture on “Enhancing Humanitarian Response with an Advanced Inventory Relief Chain Model”. In his

inspiring address, he presented the innovative Inventory Relief Chain model for optimizing inventory and distribution in relief operations. He is a fellow member of the Operational Research Society of India and the International Science Community Association.



NATIONAL CADET CORPS (NCC) ACTIVITIES

A Trek and Swachhta Abhiyaan:

A Trek and Swachhta Abhiyaan was organized on November 17, 2024 at Maa Tara Devi Temple, Shoghi, Shimla. This adventure combined devotion with nature, helping cadets strengthen discipline, teamwork, and resilience. It was an opportunity to connect with nature, embrace challenges, and bond with fellow cadets through a shared experience.



Celebration of NCC Day:



The NCC Day was celebrated with immense enthusiasm on November 24, 2024, bringing together cadets, officers, and dignitaries in a spirit of unity and patriotism. The event commenced at 9:00 AM with the National Anthem, setting a solemn and respectful tone for the day. A lively cultural program followed, where cadets showcased their talents through music, dance, and drama. These performances celebrated the values of discipline, diversity, and service upheld by the NCC.

Training in Map Reading and Weapon Familiarization:

On November 29, 2024, the PI Staff visited the university to conduct a training and familiarization session for NCC cadets. The event, held at the university football ground, witnessed enthusiastic participation from 35 Senior Division and 15 Senior Wing cadets.



Rally on Communal Harmony and a Trek to Karol Tibba



The NCC Cadets organized a rally on Communal Harmony and a trek to Karol Tibba on December 8, 2024. This adventure blended a deep connection with nature and a spirit of dedication, fostering discipline, teamwork, and resilience among the cadets. It offered a chance to embrace challenges, forge bonds, and grow through shared experiences in the great outdoors. To ensure they were well-prepared for the journey ahead, refreshments were provided, giving everyone a boost of energy for the adventure.

FACULTY CORNER

- **Dr. Kaushal Kumar** has been awarded PhD degree from NIT Patna.
- **Prof. Sudhir Kumar** was resource person in UGC Malaviya Mission Teachers Training Program of Himachal Pradesh University on November 21, 2024. He shared his thoughts about Innovative Ways in Teaching.
- **Prof. Shruti Jain** was selected in Professional Mentoring Program (PMP) 2024, organized by the IEEE India Council Industry Academia Young Professionals Committee (IAYPC 2024) from August 20 to December 20, 2024.
- **Prof. Sudhir Kumar** was the keynote speaker in an International Conference conducted by RKMV, Shimla held on November 30, 2024. He shared his idea about Sustainability and Waste Management.
- **Prof. Shruti Jain** delivered a talk on “Recent Advancements in VLSI Design and its Applications” in FDP on “AI/ML Approaches for Efficient VLSI Circuit Designs”, scheduled from December 2-13, 2024, organized by the ECE department, Jaypee Institute of Information Technology, Noida in collaboration with the EICT, IIT Roorkee.
- **Prof. Shruti Jain** delivered a lecture entitled “Building Intelligent IoT Systems: The Power of AI and Data Science” on December 17, 2024 at the FDP on "Introduction to IoT and AI: The Future of Connected Devices at the Chandigarh Group of Colleges, Jhanjeri in collaboration with Electronics & ICT Academy, and Centre for Development of Advanced Computing (C-DAC), Mohali from December 16-20, 2024.
- **Dr. Niraj Singh Parihar** attended ProEngage Expert Workshop on 'Finite Element Modeling of Hydropower Structures' organized by MIDAS. The workshop was based on structural modeling of various components of a hydropower project including main body of the dam, hydraulic gates, galleries, sluiceways etc.
- **Prof. Shruti Jain** was served as session chair in DELCON-2024, an official flagship Conference of IEEE Delhi Section at Bharati Vidyapeeth, New Delhi, INDIA organized from November 21-23, 2024.
- **Dr. Kaushal Kumar** completed NPTEL FDP courses on Bridge Engineering and Advanced RCC. He has also been graded with silver medal in Bridge engineering course.
- Department of Civil Engineering organized 3 days Master Trainer Program for Hazard Resistant Construction Practices in collaboration with DDMA Shimla, Civil Engineers from Govt organization. The event was organized from November 6-8, 2024, and coordinated by **Dr. Tanmay Gupta**.
- **Dr. Nishant Jain** served as the resource person in the hands-on session on "Machine Learning using Python" in the FDP on "AI/ML approaches for Efficient VLSI Circuit Design" organized by JIIT, Noida, in collaboration with EICT, IIT Roorkee, from December 2-13, 2024.
- **Dr. Nishant Jain** delivered a lecture on "The Role of AI in Biomedical Applications" in the FDP on "Introduction to IoT and AI: The Future of Connected Devices" organized from December 10-14, 2024 by E&ICT Academy, Centre for Development of Advanced Computing, Mohali, in collaboration with Chandigarh University, Punjab.
- **Dr. Nishant Jain** delivered a lecture on "Role of IoT and Machine Learning in Modern Healthcare" in the FDP on "Machine Learning & Data Analytics Using Python and Web technologies" organized from December 16-20, 2024 by E&ICT Academy, Centre for Development of Advanced Computing, Mohali in collaboration with Chandigarh Group of Colleges CGI, Jhanjeri, Punjab.

- **Dr. Saurav** delivered an expert lecture on Non-Destructive Testing of Concrete at Government Polytechnic, Seobagh, Kullu on November 13, 2024. The objective of the lecture was to provide students with a comprehensive understanding of modern techniques used in evaluating the quality and performance of concrete without causing damage. The event was attended by students and faculty from the Civil Engineering Department, who actively participated and engaged with the subject matter. Dr. Saurav began the session by introducing the concept of Non-Destructive Testing (NDT) and its importance in ensuring the structural integrity and longevity of concrete structures.

EDUCATIONAL TRIP TO ICAR NATIONAL DAIRY RESEARCH INSTITUTE AND INDIAN COUNCIL OF AGRICULTURAL RESEARCH, KARNAL, HARYANA

The Department of BT & BI organised an educational trip to The National Dairy Research Institute (NDRI) and Indian Council of Agricultural Research - Indian Institute of Wheat and Barley Research (IIWBR) in Karnal, Haryana for M.Sc., M.Tech. 1st year and B.Tech. BT & BI 2nd year students from November 11-12, 2024. The students were educated about India's dairy industry through research in animal genetics, dairy processing, and biotechnology. The Animal Biotechnology Centre at NDRI were introduced to the advanced research and technologies in animal genetics, breeding, and biotechnology. The students visited the

various laboratories at IIWBR, such as, the Quality Assurance Lab, the Plant Tissue Culture Lab, Genomics lab etc. They were provided with sights from different scientists about cloning and genome editing techniques used to enhance crop traits, such as disease resistance and yield. The trip concluded with a conference meeting, where the student and faculty were addressed by Dr. Ratan Tiwari, the Director of IIWBR. In his motivational speech, he shared insights into the institute's past innovations, including the development of the open glasshouse rooftop technology, which allows for controlled-environment research on crop varieties.



EDUCATIONAL TRIP TO DABUR INDIA LTD., BADDI

Bharat Digital Education Pvt. Ltd. JIIT, Sector 62, Noida organized an industrial visit to Dabur India Ltd., situated at Baddi, District Solan, HP for the Department of ECE and HSS, on 25 November 2024. The visit of 26 students along with 2 faculty/staff members began with the demonstration of Dabur India company, which explains the foundation of the manufacturing of various products (Tooth-Paste, Hajmola, Chyawanprash, Real Juice, etc.). The officials explained the working of every section. The faculty members and the students discussed various opportunities in terms of Internships/placements etc.

related to their domain. This visit gave a good exposure to all the participants in terms of Automation and Business perspectives.



CRYPTIC QUEST, IEEE JUIT SB

Cryptic Quest, a tech-based treasure hunt organized by Drishti, SIGHT IEEE JUIT SB in collaboration with SIGHT IEEE Delhi section, aimed to test the technical knowledge, problem-solving skills, and teamwork of college students. The event provided an engaging platform where participants competed in a fast-paced and intellectually stimulating environment. Teams consisting of 2-3 members gathered marking the beginning of an exciting two-hour adventure.

Long Route Highlights:

- Debugging C programs with logical and syntax errors.
- Answering tech-themed riddles referencing tech pioneers like Steve Jobs.
- Navigating through labs and classrooms using coded clues and Morse puzzles.

Short Route Highlights:

- Solving algorithmic puzzles and identifying

logical patterns.

- Finding hidden clues based on room numbers and tech-related questions.



WORKSHOP AT BLUE BELLS PUBLIC SCHOOL SHOGI, SHIMLA

Koshish Club conducted a workshop at Blue Bells Public School, Shoghi, on November 23, 2024. The event combined educational insights into various engineering disciplines, a workshop on Vedic Mathematics, and an impactful seminar on Good Touch and Bad Touch, creating a well-rounded learning experience for the students. Dr. Hemant Sood introduced the students to Biotechnology and Bioinformatics, explaining their applications in healthcare, research, and technology. Dr. Nishant Jain shared insights into ECE and Computer Science, discussing their role in shaping modern technology and career prospects in these fields.



PARAKRAM 2024: A GRAND SUCCESS AT JUIT

JUIT recently hosted its much-awaited annual sports fest, Parakram 2024, from November 8-10, 2024. The event brought together students from various universities, transforming the campus into a vibrant hub of athletic energy and competitive spirit. This year's fest saw participation over 350 JUIT students alone, along with 160+ enthusiastic athletes from Shoolini University, Chitkara University, Bahra University, Baddi University, and Maharaja Agrasen University. The

event featured a wide array of sports, showcasing the remarkable talents of student athletes. During the closing ceremony, Dr. R.K. Sharma, Vice Chancellor, JUIT shared words of encouragement: *“Events like Parakram are not just about competition but also about fostering camaraderie, discipline, and teamwork among young athletes. We are proud to see so many colleges participate with enthusiasm, and we hope this spirit of sportsmanship continues to grow stronger each year.”*



JUIT'S PARTICIPATION IN THE ALL INDIA UNIVERSITY BASKETBALL CHAMPIONSHIP 2024

The All India University Basketball Championship 2024 was hosted by Kurukshetra University, Kurukshetra, under the Directorate of Sports. The tournament took place from November 25-30, 2024. Teams from various universities across the country competed in the event, which was organized into pools for the initial knockout rounds. JUIT was placed in Pool C, competing against several strong teams. The championship was a platform for universities to showcase their talent and foster a spirit of sportsmanship among students. Each match was fiercely contested, reflecting the high level of competition.



OUTREACH ACTIVITY

1. HON'BLE EDUCATION MINISTER OF HIMACHAL PRADESH

The JUIT outreach team, led by Prof. Sudhir Kumar, Dr. Kaushal Kumar and Dr. Ankush Tanta, met with Sh. Rohit Thakur Hon'ble Education Minister of Himachal Pradesh. The team presented details of JUIT's academic mentorship and outreach initiatives in the Rohru region of Shimla. The Hon'ble minister expressed his support for the program and assured assistance whenever needed.



2. The outreach program to schools in Ranchi aimed to promote the STEM Quest Exam among students and to spread awareness about JUIT, Waknaghat. This initiative sought to inspire young minds towards STEM disciplines and familiarize them with JUIT's academic programs, infrastructure, and opportunities.



- No. of Schools Visited in Ranchi: 15
- No of STEM QUEST Quiz Conducted: 196
- Additional 12th Class Data (without STEM Quiz): 301
- Additional Schools covered in online mode.

3. Dr. Rishi Rana along with Prof. Shruti Jain visited for the outreach program at Government Senior Secondary School (GSSS), Boilaeuganj and Totu on December 2, 2024. The event aimed to engage students in a meaningful way, offer guidance and support for their academic and personal development, and encourage community involvement.



4. SARASWATI VIDYA MANDIR, SAMOLI, ROHRU

JUIT-STEM QUEST was conducted at Saraswati Vidya Mandir School, Samoli on November 7, 2024. During discussion with school Principal, JUIT team emphasized on academic mentorship program of JUIT for their science streams.



5. GOVT. SENIOR SECONDARY SCHOOL, SARASWATI NAGAR SHIMLA:

JUIT-STEM QUEST was conducted at GSSS, Saraswati Nagar on November 8, 2024. Students were given an idea of benefits of this quiz competition of JUIT for science students by JUIT team (Prof. Sudhir Kumar, Dr. Kaushal Kumar and Dr. Ankush Tanta). Students also provided feedback on the difficulty level of various sections of our STEM QUEST.



6. LAL BHADUR SHASTRI COLLEGE, SARASWATI NAGAR

During meeting with college Principal Sh. P.P. Chauhan and Dr. Radha Raman Gautam - science faculty of college, Prof. Sudhir provided insights into national-level entrance examinations such as GAT-B, IIT-JAM for B.Sc. students. The college Principal agreed to conduct a model GAT-B examination for the science students of

the college. The information brochure of M.Sc. having scholarship scheme was also shared with the college faculty on November 8, 2024.

7. PABBAR PUBLIC SCHOOL, CHIRGAON, ROHRU & GOVT. GIRLS SENIOR SECONDARY SCHOOL, ROHRU

Dr. Kaushal Kumar and Dr. Ankush Tanta introduced JUIT-STEM QUEST to 12th grade students to both medical and non-medical streams on November 7, 2024. The quiz, conducted on school premises, encouraged enthusiastic students' participation. Dr. Ankush explained the importance of JUIT-STEM-QUEST competition to students and faculty along with associated scholarships, prizes.

8. Dr. Rishi Rana along with **Dr. Pardeep Garg** visited for the outreach program at BL Central School and Nav Jyoti Public School in Baddi on December 19, 2024. The event aimed to engage students in a meaningful way, offer guidance and support for their academic and personal development, and encourage community involvement.

9. GOVT. BOYS SENIOR SECONDARY SCHOOL, ROHRU

The JUIT outreach met with the Principal Sh. Ajit Verma of the school to present and discuss the benefits of their STEM-QUEST program for students on November 8, 2024. The session aimed to introduce the students to practical science experiments and foster a deeper interest in STEM fields.

Dr. Kaushal Kumar conducted a hands-on demonstration on how to measure Total Dissolved Solids (TDS) in drinking water.

Microbiological Techniques: Prof. Sudhir demonstrated basic microbiological techniques, focusing on the differentiation between different types of bacteria on the basis of catalase test.

10. HIMALAYAN PUBLIC SENIOR SECONDARY SCHOOL,

ROHRU: Prof. Sudhir Kumar provided hands-on training in basic microbiology experiment of detection of aerobic and anaerobic bacteria using Catalase Test on November 8, 2024.

11. ROOTS COUNTRY SCHOOL AT BAGHI, KOTKHAI, SHIMLA

JUIT Outreach Team Prof. Sudhir Kumar and Dr. Ankush Tanta visited Roots Country School situated at Baghi, Kotkhai, Shimla on December 3, 2024. The aim of visit was to create a long-term collaboration with this prestigious school of Himachal Pradesh in teaching, curriculum updating and sustainability development methods. The team met the Director of school Sh. Sunil Rotha and the discussion was held regarding strength of different programmes running in JUIT, sustainable development goals, teaching methods, and type of questions papers. Prof. Sudhir and Dr. Ankush conducted hands on experimental sessions for medical and non-medical stream students on how to identify between aerobic and anaerobic bacteria.



CAREER COUNSELING SESSIONS AT MOUNT SHIVALIK PUBLIC SCHOOL JUBBARHATTI, SHIMLA

Dr. Hemant Sood and Dr. Nishant Jain took career counseling sessions for Mount Shivalik School students on November 23, 2024. Dr. Hemant opened the session by providing insight to the students about choosing a career path in medical and non-medical streams. She



mentioned that Biotechnology involves the use of living organisms or biological systems to develop products and technologies for various sectors, including healthcare, agriculture, and environmental conservation. Dr. Nishant appraised the students about ECE where he elaborated about the design, development, and maintenance of electronic devices and communication systems. It encompasses areas like telecommunications, signal processing, and embedded systems. He talked about integration of AI in different disciplines and also discussed entrepreneurship opportunities at JUIT. Sessions of Vedic Mathematics were also conducted by student coordinators of Koshish Club of JUIT for fast calculations required during JEE and PMT entrances.

PROMOTING SUSTAINABILITY THROUGH AWARENESS

The NSS unit, JUIT, recently hosted an insightful webinar titled "Food-Planet-Health: Impact of Diet on the Planet, Animals, and Our Health." The Keynote speaker Nija Dhillon, coordinator at Vegan Outreach, shed light on the profound connections between our dietary choices, environmental sustainability, and animal welfare.

The session emphasized the urgent need for mindful eating habits, including the adoption of veganism, as a solution to global warming and healthier living. Over 100 participants, including students, staff, and volunteers, actively engaged in this thought-provoking discussion.

ADIOS AMIGOS

Adiós Amigos was the farewell event organized by the Rotaract Club of Wagnaghat on December 12, 2024 to honor the contributions of outgoing fourth-year Rotaractors. This event celebrated the dedication and impact of final year students on the club's journey while fostering camaraderie and gratitude. It provided a platform for third-year members to express their appreciation and bid an emotional farewell to their seniors through heartfelt speeches, performances, and mementos.

The event embodies the values of respect and encouragement, motivating upcoming leaders to uphold the club's legacy. By cherishing past

contributions and embracing future aspirations, *Adiós Amigos* stands as a testament to the enduring spirit of Rotaract and its commitment to growth and unity.



ART OF LIVING WORKSHOP ENRICHES MINDS AND SOULS AT JUIT

From November 14-17, 2024, the Art of Living Foundation conducted a workshop that offered participants an opportunity to enhance their mental, emotional, and physical well-being. The event witnessed enthusiastic participation from students, faculty, and staff. The four-day workshop emphasized the importance of mindfulness, conscious breathing, and introspection in navigating the demands of everyday life. The participants were guided through a series of practical exercises aimed at fostering a deeper connection with their inner selves, promoting relaxation, and reducing stress. The workshop created an atmosphere of peace and introspection

across the campus, with attendees expressing gratitude for the opportunity to learn techniques that foster emotional resilience and personal well-being.



ALFAAZ '24

The JYC Literary and Debating Club, hosted the Annual Literary Fest-Alfaaz '24 held on November 30, and December 1, 2024. The fest featured several engaging events, beginning with an intellectually stimulating panel discussion on the agenda "Evaluating the Need and Criteria for the Reservation System in India." This event explored the socio-political landscape of the country, encouraging thought-provoking conversations and diverse perspectives. Additionally, a Youth Parliament was conducted, offering students a platform to engage in vibrant debates and discussions, honing their oratory and

critical thinking skills. These events not only highlighted the intellectual caliber of the participants but also provided a space for critical engagement and meaningful dialogue.



MOVIE NIGHT

The Movie Night Extravaganza delivered an unforgettable cinematic experience to the college community on December 6, 2024. Featuring a perfect blend of chills and laughter, the night showcased two iconic films: *Bhool Bhulaiyaa*, a masterful mix of horror and comedy, and *Insidious*, a spine-tingling horror classic. The

event was designed to immerse participants in a rollercoaster of emotions, offering a thrilling escape into the world of suspense, humor, and the supernatural. It was a night to bond, scream, and laugh together, leaving a lasting impression on everyone who attended.



CHIKITSA

Chikitsa was organized on November 24, 2024 at Hingiri Kalyan Ashram, Solan, born out of the need to bridge the gap in access to basic medical resources and knowledge for children in shelters. By providing medical kits and comprehensive guidance on their usage, the project equipped children and caregivers with the tools to manage minor health issues effectively. It aimed to instill confidence and preparedness, reducing reliance on external medical aid for everyday concerns. Chikitsa was more than a donation; it was a step toward empowering a community with

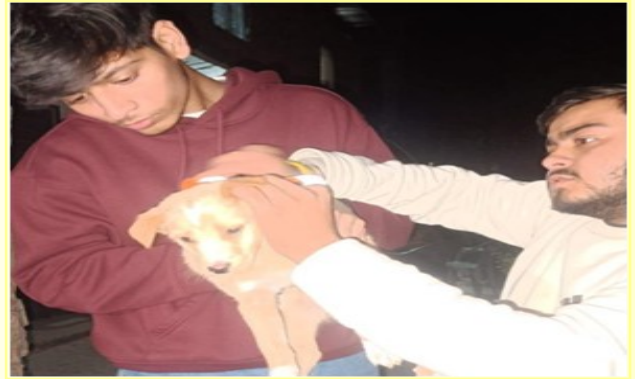
the skills and resources to prioritize health and well-being, ensuring that care and resilience became a part of their daily lives.



REFLECTIVE DOG COLLAR INITIATIVE

The Reflective Dog Collar Initiative was inspired by the increasing number of accidents involving street dogs during nighttime. Many stray dogs are not easily visible to drivers in low-light conditions, putting them at constant risk of injury. This project, carried out under the District 3080 Initiative, aimed to address this issue by equipping street dogs with reflective collars, ensuring their visibility to vehicles after dark. By combining animal welfare with road safety, the initiative sought to create a safer environment for both dogs and commuters. The project also

highlighted the role of Rotaractors in fostering a compassionate and responsible community.



NEW YEAR, HEALTHIER YOU

To align with Arogya - Disease Prevention and Treatment Month and welcome the New Year on a positive note, the Rotaract Club of Wagnaghat created an awareness video from December 28-31, 2024. In this collaborative effort, club members highlighted the importance of maintaining health and hygiene and provided practical tips for fostering a cleaner and safer community. Each Rotaractor contributed by sharing insightful points on how individuals can prioritize disease prevention through simple yet impactful practices, such as regular handwashing, a balanced diet, proper waste disposal, and routine health checkups. The video emphasized community action, encouraging viewers to adopt habits that

promote collective well-being.

This initiative showcased the Rotaractors' dedication to spreading awareness and inspiring change, serving as a reminder that small efforts can lead to healthier and more hygienic communities as we step into the New Year.



दैनिक सवेरा टाइम्स

जेयूआईटी सोलन में राष्ट्रीय गणित दिवस समारोह और एफडीपी का उद्घाटन

सोला, 26 दिसंबर : जेपी यूनिवर्सिटी के विद्यार्थियों के बीच गणित दिवस के अवसर पर आयोजित कार्यक्रमों का उद्घाटन किया गया।



कैडेट्स में सामूहिक साहस दिवस और कोरल टिब्बा ट्रेक का आयोजन किया

सोला, 26 दिसंबर : कैडेट्स में सामूहिक साहस दिवस और कोरल टिब्बा ट्रेक का आयोजन किया गया।



JUIT की दो छात्राओं का अमेरिका में पीएचडी कार्यक्रम में चयन

जेपी यूनिवर्सिटी ऑफ इंफॉर्मेशन टेक्नोलॉजी (जेयूआईटी) के दो छात्राओं का अमेरिका में पीएचडी कार्यक्रम में चयन किया गया।

JUIT awarded NBA Accreditation for B.Tech, Biotechnology Programs

JAMMU, Nov 5: The Jaypee University of Information Technology (JUIT) has received NBA accreditation for its B.Tech. Biotechnology program.

26 Dec 2024 epaper.dainiksaveratimes.in/c/765836

Chandigarh 10-12-2024 http://epaper.loksatyam.com/

Chandigarh 31-12-2024 http://epaper.loksatyam.com/

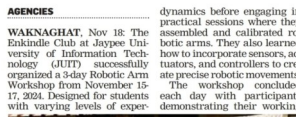
2024 Eighth International Conference on Parallel, Distributed and Grid Computing (PDGC) 18th - 20th December, 2024



The Department of Computer Science and Engineering & Information Technology organised the 8th International Conference PDGC 2024 during December 18-20, 2024.

Enkindle Club organizes 3-day robotic arm workshop

WAGNAGHAT, Nov 18: The Enkindle Club at Jaypee University of Information Technology (JUIT) successfully organized a 3-day Robotic Arm Workshop from November 16-17, 2024.



दैनिक सवेरा टाइम्स

जेयूआईटी सिविल इंजीनियरिंग स्नातकों की उत्कृष्ट उपलब्धियां

सोला, 26 दिसंबर : जेपी यूनिवर्सिटी ऑफ इंफॉर्मेशन टेक्नोलॉजी (जेयूआईटी) अपने स्नातकों की उत्कृष्ट उपलब्धियों का उद्घाटन किया गया।



जेयूआईटी के बौद्धिक बायोटैकनोलॉजी कार्यक्रम को पुनः एनबीए मान्यता

सोला, 25 नवंबर : जेपी यूनिवर्सिटी ऑफ इंफॉर्मेशन टेक्नोलॉजी (जेयूआईटी) के बौद्धिक बायोटैकनोलॉजी कार्यक्रम को पुनः एनबीए मान्यता दी गई।



दैनिक सवेरा टाइम्स

जेपी यूनिवर्सिटी में धूमधाम से मनाया एनसीसी डे

सोला, 25 नवंबर : जेपी यूनिवर्सिटी में एनसीसी डे का आयोजन किया गया।

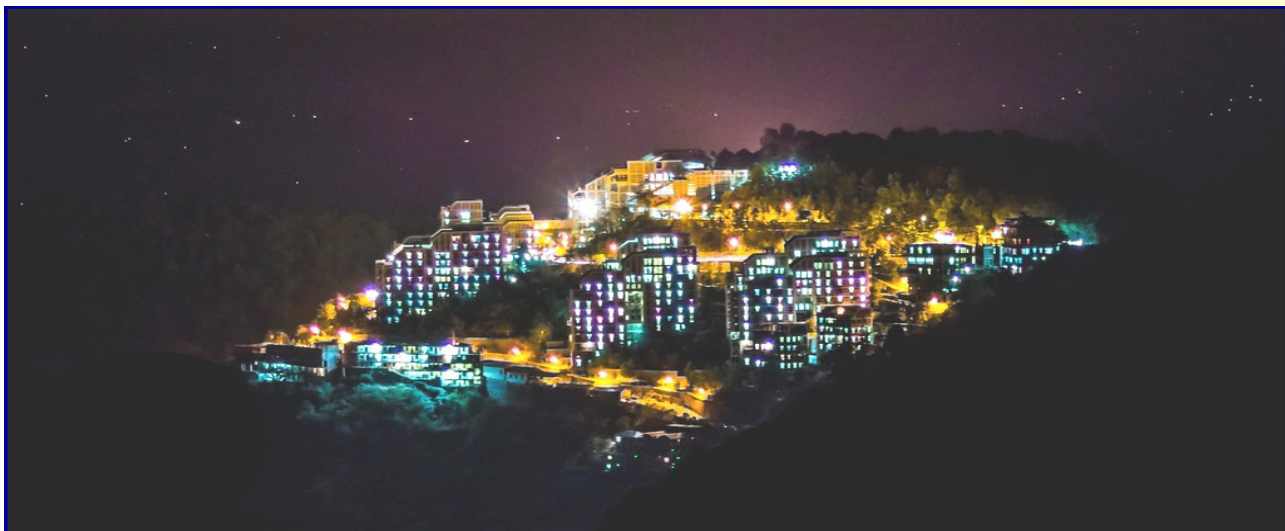


Outstanding Achievements of JUIT Civil Engineering Graduates

JUIT Civil Engineering graduates have achieved outstanding achievements in various fields.

NBA accreditation for BTech Biotechnology Program of JUIT

NBA accreditation for BTech Biotechnology Program of JUIT has been announced.



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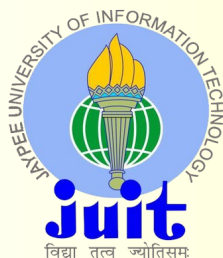
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