JAYPEE EDUSPHERE | IGNITED MINDS 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

ACCREDITED WITH GRADE A+ NAAC

Jaypee University of Information Technology, Waknaghat
www.juit.ac.in

WE HAVE SET THE BAR HIGH AGAIN

JUIT IS A+ ACCREDITED BY NAAC

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY SOLAN, HIMACHAL PRADESH

JUIT is accredited with the grade A+ by National Assessment and Accreditation Council (NAAC)

We are thrilled to announce that JUIT has achieved an outstanding A+ grade by National Assessment and Accreditation Council (NAAC). We extend our heartfelt appreciation and gratitude to every member of our esteemed institution, the management. students, staff, and non-teaching Staff. This remarkable accomplishment is the result of our collective dedication and commitment to excellence.

- First private university of Himachal Pradesh
- Highest package 50 Lacs (2022) and average package 7.01 Lacs (2023).
- 85% faculty are PhD, mostly from IITs, NITs and abroad.
- World class infrastructure. Amongst 15 most beautiful campuses in India by an Independent Agency.
- 8000+ alumni excelling across the globe.
- Located on Chandigarh Shimla highway, 20 KM short of Shimla.

Join Us
Visit ⊕ www.juit.ac.in

For all admission related queries:
Mobile number: 7807868400. 7807868600
Landline number: 01792-239360, 239560, 239558
E-mail: admission2024@juitsolan.in

Scan the code to know more

THE World University Ranking 2024-ASIA

Jaypee University of Information Technology, Waknaghat, Solan
A position in the Ranked Band of 251-300

PATENTS

Design Patent Granted:

"Water Heaters"

Inventers Shruti Jain, Meenakshi Sood, Pramod Kumar**,** Patent No. 387868-100, Date: April 5, 2024.

Patent Filed:

"**Utilization of Biogas Spent Slurry as binder for Pine Needles Biofuel briquettes/Pellets System"**

Inventors – Anup Kumar Sinha, Ashish Kumar, Sudhir Kumar. Date: April 24, 2024.

MoU Signed:

1.   An MoU was signed with PGIMER on March 9, 2024.
2.   An MoU was signed with Govt. Arya Degree College Nurpur on March 17, 2024.

Ph.D. Completed:

- **Mandeep Kaur (CSE-166201) completed her Ph.D in March 2024. The title of her thesis was:** Broker-Based Framework for Service Orchestration in Cloud and Fog Computing Environments.

  Supervisors: Dr. Rajender Sandhu, Dr. Rajni Mohana

- **Priyanka Sharma (PMS-186909) completed her Ph.D in April 2024. The title of her thesis was:** Study on Temporal Growth and Luminescence Properties of Zno Nanostructures.

  Supervisors: Prof. P. B. Barman, Dr. Sanjiv Kumar Tiwari

- **Pankaj Sharma (CSE-176202) completed his Ph.D in April 2024. The title of his thesis was:** An Adaptive Fault Tolerant Framework and Latency Aware Service Placement Scheme for Fog Computing Environment.

  Supervisor: Prof. Pradeep Kumar Gupta

National Conclave On Sustainability, Productivity and Green Growth.

The National Conclave on Sustainability, Productivity and Green Growth, organized by the National Productivity Council, DPIIT, Ministry of Commerce and Industry, GOI, and Jaypee University of Information Technology in collaboration with Indian Potash Limited, was held on March 19, 2024, The speakers of the events are Shri C Paulrasu IAS, Dr. Rajeev Ranjan, Shri Man Mohan Sharma, Shri Rakesh Kumar, Dr. Anshu Yadav, Yadu Kumar Yadav, Debajit Das, Dr. H.C. Sharma, Vivek Kumar Gupta, and Suresh Sharma. Presentations covered various topics, including Sustainable Agriculture, ICRO's impact, methods for sustainable development, Green Mobility, MSME Department's initiatives, decarbonization in India, and solid waste management's role in a greener future.

RIDE -HACK 2024 at JUIT

Research, Innovation, Development and Entrepreneurship (RIDE) presented RIDE-Hack'24, which comprised four phases. This hackathon helped in promoting innovation, entrepreneurship fostering interdisciplinary collaboration and a diversity of perspectives among students from all four universities within the Jaypee Higher Education Systems: JIIT Noida, JUIT Waknaghat, JUET Guna, and JU Anoopsahar. The event aimed to inspire students to propose and develop startup ideas across a variety of domains while providing them with valuable mentorship and evaluation from industry professionals and academic experts. The theme of the event was "Build Your Startup". Phase 1 of RIDE-Hack'24 at JUIT Solan was a dynamic and intense 48-hour hackathon that brought together talented student teams to showcase their potential startup ideas. The event, held from April 25-27, 2024, offered an opportunity for students to collaborate, innovate, and receive feedback from experts in their respective fields. Teams of up to six students participated in the hackathon, working on their startup ideas from various domains. The event commenced with an inaugural ceremony on April 25, 2024. Prof. Shashi Kant Sharma, Hon'ble Member of HPPERC, was the Chief Guest of the event. His expertise and guidance added value to the event, and his participation was appreciated by the students and faculty alike. The panels provided diverse perspectives and expertise, ensuring a comprehensive evaluation of each team's projects. The mid evaluation was done by various eminent person like Mr. Sunchit Dudeja, SDE-V @ Adobe, and Ms. Hina Arora, Engineer Manager @ Jio Platform Ltd. The closing session, ended with the motivational talk of Mr. Mukul Juneja, CTO@ Muoro. Overall, the event was a major success, fostering innovation and entrepreneurship among the participants and setting the stage for the upcoming phases of the competition.

One Week Hands-on Workshop on "VLSI Design"

Dept of ECE organized a one week hands-on workshop on "VLSI Design" in collaboration with the Department of Technical Education, Vocational, and Industrial Training, Government of Himachal Pradesh and Institution's Innovation

One-week Hands-on Workshop on "VLSI Design"
(04th - 09th March, 2024)
organized by
Department of Electronics & Communication Engineering,
Jaypee University of Information Technology
in collaboration with
Department of Technical Education, Vocational & Industrial Training,
Government of Himachal Pradesh

Council (IIC), from March 04-09, 2024. The event witnessed active participation from over 75 enthusiasts hailing from various districts of Himachal Pradesh. The workshop was inaugurated by Dr. Satish Chandra Tiwari, DFT Manager (Principal Design Engineer) at NXP Semiconductors, INDIA. The inaugural ceremony, graced by esteemed guests Mr. Mayank Singh, Verification Engineer at NXP Semiconductor, and Mr. Ankur Sangal, Technical Lead at HCL Technologies, marked the beginning of an insightful event. There were many other resource persons who delivered lectures & conducted various hands on sessions.

Mr. Ankur Sangal, Technical Lead, HCL Technologies delivered expert lecture on Xilinx Vivado Tool Flow with FPGA based coding techniques Hand's on session by Mr. Mayank Singh, Verification Engineer, NXP Semiconductor.

Dr. Balwinder Singh, Joint Director & Head, ACS Division, CDAC Mohali delivered expert talk on

'SoC Testing and hardware security concerns' and took the hands on session and covered the concept of VLSI design using Cadence Virtuoso tool.

Mr. Anish Kumar Sharma, Entuple Technologies delivered his expert lecture on the topic, 'EDA Tools' and took the hands on session and covered the concept of VLSI design using Cadence Virtuoso tool.

Dr. Balwinder Raj, NIT Jalandhar delivered his expert lecture on 'Multi-Gate Semiconductor Devices for VLSI Design.

Dr. Harpreet Singh Jattana, Former group head at SCL Mohali and ISRO, delivered his expert lecture on "Challenges in CMOS design in low geometry technology node'. After the talk was over he interacted with the students while discussing the GoI policy initiatives, various companies working for the semiconductor industry. Also, he showed the Silicon Wafer to the participants.

This collaborative endeavour between academia and industry experts promises to equip the participants with invaluable insights and hands-on experiences in the dynamic domain of VLSI Design. Foster academic excellence, such workshops contribute significantly to shaping the future of aspiring engineers and innovators. (Rearrange)

One Week Hand's on Workshop on "VLSI Design", March (4-9), 2024, organized by ECE Department, Jaypee University of Information Technology, Solan in collaboration with Department of Technical Education, Vocational and Industrial Training (H.P.)

"Innovation in Motion: Robotic Arm Technology"

The Department of CSE & IT hosted a hands-on workshop titled "Innovation in Motion: Robotic Arm Technology." The workshop was conducted under different phases and for different batches of first year students. On March, 18-20, April 11-12, April 29-30.

The workshop aimed to familiarize first-year students with the intricacies of robotic arm technology, empowering them to assemble, program, and operate robotic arms. The inaugural day featured an opening ceremony by Dr. Harpreet Singh, Assistant Professor attended by prominent faculty members and introductory sessions on robotic arm technology. Participants gained hands-on experience in assembling basic robotic arm components. Day 2 focused on the basics of robotic arm assembly, hardware components, and programming aspects. Dr. Diksha Hooda provided insights into assembly techniques, while participants learned programming languages relevant to robotics and practiced writing code to control robotic arm movements. Interactive

sessions facilitated a comprehensive understanding of programming concepts. On the final day, participants showcased their knowledge through practical demonstrations and presentations. Exemplary participants were honored, and mementos were distributed. The event concluded with a commitment to further explore technology and innovate through projects like automated plant sowing and automated games.

Technical Interactive Workshop for Principals of Government Polytechnics of H.P.

JUIT hosted a one-day technical interactive workshop on April 5, 2024 for principals from various Government Polytechnic Colleges of Himachal Pradesh. The event, held at the university campus, provided a platform for knowledge exchange, networking, and discussions on pertinent issues in technical education. Prof. (Dr.) Rajendra Kumar Sharma, VC, highlighted the salient features, accolades and rich culture of JUIT and expressed gratitude to all the participating principals for their active engagement and commitment to advancing technical education and motivating them for all academic and research collaborations.

A Workshop cum Seminar on Reforms in Secondary and Higher Education Post New Education Policy (NEP)

Workshop cum Seminar focusing on the reforms in secondary and higher education post the implementation of the New Education Policy (NEP) on April 13, 2024. The event aimed to facilitate a platform for meaningful dialogue and collaboration among educational stakeholders. Principals from various schools across Himachal Pradesh, Punjab, Haryana, Delhi and Uttar Pradesh shared their insights and experiences. The major objectives of this workshop were to discuss the key reforms introduced in the NEP and to understand the implications of NEP on secondary and higher education. The eminent persons were Dr. Rajesh Rana and Mr. Dinesh Sharma, Chairman, Mera Bharat Trust. There were three keynote talks commenced with a significance of the New Education Policy and Cyber Security and their potential impact on the educational landscape
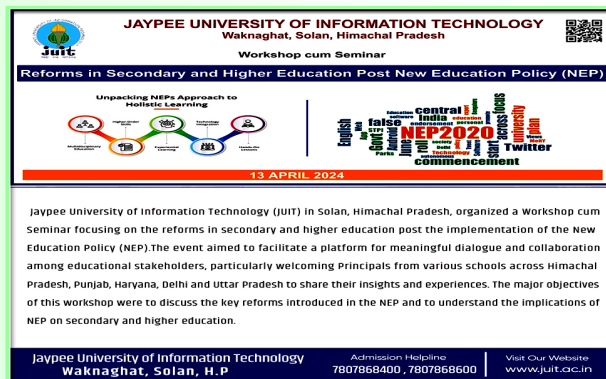
in India. These talks were delivered by Prof S.K Khah, CoE & Director IQAC, JUIT, Dr. Rajesh Rana, Assistant Professor, Chandigarh University and Prof R.K Bajaj, HOD, Dept. of Mathematics, JUIT. The event provided ample networking opportunities for educational stakeholders to connect, collaborate, and exchange ideas for enhancing the quality of education in the region.

Startup Mahakumbh 2024

Startup Mahakumbh, is a significant event in the entrepreneurial ecosystem of India, aimed at fostering innovation, networking, and collaboration among budding startups, established companies, investors, and government bodies. Startup Mahakumbh was the first-of-its-kind event in terms of vision and magnitude, scheduled from March 18-20, 2024, at the iconic Bharat Mandapam in New Delhi. The event was organized by Associated Chambers of Commerce and Industry of India (ASSOCHAM), National Association of Software and Service Companies (NASSCOM), Bootstrap Incubation & Advisory

Foundation, TiE, and Indian Venture and Alternate Capital Association (IVCA). With the central theme **'Bharat Innovates'** the event featured mentorship clinics, pitch competitions, and a multi-track conference featuring leadership talks, panel discussions, workshops, and a host of exciting activities for startups as well as future entrepreneurs. The event also hosted a Future Entrepreneurs Day on March 20, with a focus on cultivating the entrepreneurial spirit among students. The Future Entrepreneurs Day was expected to gather close to 5,000 individuals handpicked by colleges and incubators nationwide for their inclination towards entrepreneurship.

World Creativity and Innovation Day

On the occasion of World Creativity and Innovation Day, Hon. VC JUIT, Prof. R. K. Sharma, delivered a talk on "Probability Distributions Involving Hypothesis Testing" on April 22, 2024. In his talk, he discussed probability distributions and hypothes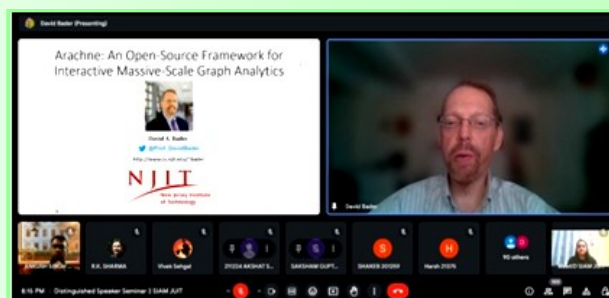is testing as powerful tools for navigating uncertainty and making informed decisions in the pursuit of creativity and innovation. By leveraging these statistical methods, the decision-maker can test hypotheses, uncover insights, and drive meaningful change in our endeavours.

Talk on "Analysis of Data using Massive Scale Graphs" by Dr. David A. Bader:

The Society for Industrial and Applied Mathematics (SIAM) JUIT chapter organized a lecture by Dr. David A. Bader, a distinguished Professor at the New Jersey Institute of Technology, focusing on big data analytics using massive-scale graphs. Dr. Bader, a SIAM fellow, shared insights from his exceptional career, including co-authoring over 300 scholarly papers and serving on the leadership team of Northeast Big Data Innovation Hub. He is renowned for his pioneering work in building the first Linux supercomputer, revolutionizing high-performance computing. Dr. Bader's biography highlights his role as a lead scientist in DARPA programs and recipient of prestigious awards such as the NVIDIA AI Lab (NVAIL) award and Facebook Research AI Hardware/Software Co-Design award. The session provided a glimpse into Dr. Bader's research at the NJIT Bader Lab, particularly focusing on open-source libraries Arkouda and Arachne for large-scale graph data analytics. Arkouda serves as a foundation for graph analytics, while Arachne offers high-performance implementations of graph kernels using the Chapel programming language. These tools enable researchers to address complex data analysis challenges that traditional methods cannot handle.

Talk on "VLSI Design" by Dr. Hitesh Shrimali, Dean of Students, IIT Mandi

The Technical Sciences, Movies and Photography Club of JUIT Youth Club organized talk by Dr. Hitesh Shrimali, Dean of Students, IIT Mandi on March 8, 2024 at 12:00 PM in LT3. His interest areas are Design and testing of radiation hard circuits [CMOS silicon detectors], Analog and mixed signal VLSI design [ADCs], Modeling of radiation effects on analog and mixed signal circuits and On-chip Instrumentation. The event's success was a collective effort and dedication of the various faculty and student coordinators of JYC and various other clubs involved and served as a shining example of what can be achieved through collective effort and unwavering determination. More than 100 students attended the talk.

World IP day celebration

IPR cell JUIT in collaboration with Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE), IIC, JUIT celebrated "World Intellectual Property Day," on April 26, 2024. This day is celebrated to increase public awareness of the contribution that intellectual property (IP) rights make to the promotion of creativity and innovation. Prof. Shruti Jain Associate Dean (I) and Member Secretary, IPR cell JUIT delivered a talk on "Role of IPR in sustainable development of Himachal Pradesh". She provided information on how incorporating intellectual property rights (IPR) into Himachal Pradesh's development initiatives can stimulate innovation, safeguard traditional knowledge, advance economic expansion, conserve biodiversity, and improve the
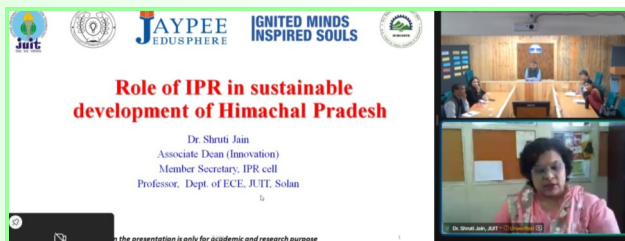
region's overall sustainability. She also informed that the IPR cell at JUIT is very active. Since its inception cell has conducted more than 25 events. As on date 31 patents have been granted, 31 published and 2 new filed in 2024 by JUIT. She also thanked Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE), Shimla for their financial support in previous years.

One Week Short Term Course on "Sustainable Construction Practices for Sustainable Environment"

A one–week Short term course (in hybrid mode) on 'Sustainable Construction Practices for Sustainable Environment,' was organized by the Department of Civil Engineering, from April 22-27, 2024. The Course was specifically designed for the HPPWD engineers from various places in Himachal Pradesh. STC provided a comprehensive overview of the principles, techniques, and strategies essential for fostering environmentally responsible construction practices. Throughout the duration of the course, participants were immersed in a dynamic learning environment that combined theoretical knowledge with practical applications, equipping them with the necessary skills and insights to contribute to sustainable development in the construction industry.

Dr. Amardeep delivered an expert lecture on the topic "Application of Industrial and Plastic Waste to Create a   Sustainable Environment : A Review" on April 22, 2024

Dr. Rishi Rana delivered an expert lecture on the topic "The Inventor Role of Technologies in Waste Management Towards Sustainable Development" on April 22, 2024

Dr. Tanmay Gupta delivered an expert lecture on the topic "Strategies for Resilient Infrastructure: Engineering Solutions for a Sustainable Future" on April 23, 2024

Dr. Saurabh Rawat delivered an expert lecture on the topic "Sustainable Solution to Soil Stabilization Techniques" on April 23, 2024

Dr. Niraj Singh Parihar delivered an expert lecture on the topic "Sustainable Solution to Soil Stabilization Techniques" on April 24, 2024

Dr. Saurav delivered an expert lecture on the topic "Supplementary Cementitious Materials and its Applications In Construction Industries" on April 25, 2024

Dr. Sugandha Singh delivered an expert lecture on the topic "Earthquake Engineering and its Role in Sustainable Development" on April 25, 2024

One week training cum workshop on Intellectual Property Rights organized by IQAC, Rajkiya Kanya Mahavidhyalaya (RKMV) Shimla in collaboration with HIMCOSTE.

Prof. Shruti Jain delivered expert lecture on "Innovations in Industrial Design" and "IPR awareness in India" on March 21, 2024 and March 26, 2024 respectively.

Prof. Hemant Sood delivered expert lecture on "IPR Management and Commercialisation" on March 22, 2024.

Prof. Sudhir Kumar delivered expert lecture on "Status of Intellectual Property Rights in Biosciences" on March 23, 2024.

Outreach Activities

- **Prof. Sunil Kr Khah** delivered a Talk on "Career counselling and pursuit of happiness" in Joint workshop of Government Arya Degree college (GADS), Nurpur and Jaypee University of Information Technology (JUIT), Waknaghat, at GADS Nurpur on March 18, 2024.

- **Dr. Ashish Kumar**, HoD CE delivered an expert talk on "How to plan for start-up and legal & ethical step" at Guru Daksh Government Polytechnic, Hisar and Govt Polytechnic Mandi Adampur Haryana. Thereafter, Dr. Amardeep, Assistant Professor discussed about the usage of different advanced equipments and sustainable construction practices across the world to preserve the environment. Dr. Ashish Kumar discussed about the Remote Sensing & GIS and their importance in current era. A total of 80 students were interacted during the session on March 27, 2024, .

- **Dr. Amardeep**, discussed about the usage of different advanced equipments and sustainable construction practices across the world to preserve the environment at Govt. Polytechnic Dhangar (Fatehabad) Haryana and Rajiv Gandhi Govt. Polytechnic, Narwana Haryana on March 28, 2024,

- A workshop was organized on "Molecular Biology Techniques" and a Career Counseling Session was conducted at Govt. Arya Degree College, Nurpur and students of Govt. Degree College Dehri, Kangra also joined on March 18, 2024. Team members were Prof. Sudhir Kumar, Prof. Sunil Kumar Khah, Dr. Jatindraa Vashishtt and Ph.D. scholar Sandhya Tegta.

- A career counseling session was organized for undergraduates at Govt. PG College Seema, Rohru, Himachal Pradesh on April 25, 2024. The students received guidance regarding the scholarships offered by the Indian government.

- A Stem Olympiad was conducted at Guru Teg Bahadur Public School, Dhuri, Sangrur, Punjab on April 20, 2024. Hon'ble Vice Chancellor (JUIT) graced the occasion. Prof. Sudhir Kumar, Prof. Ashish Kumar and Dr. Ankush Tanta conducted the olympiad. The Principal of the school, Capt. Rohit Diwedi welcomed the Hon'ble Vice Chancellor and team members. The entire school team expressed gratitude to JUIT authorities for conducting STEM Olympiad.

- On April 29, 2024 twenty-five students of the Medical and Non-medical stream of DAV school, Totu, Shimla visited different labs of JUIT. Dr Hemant provided insight about future avenues of biotechnology, mentioned about the placements and internships of the students in companies like Amazon and shared the news of NAAC A+ grade earned by JUIT, which enthralled the students, Ms. Jeevan Jyoti (Principal DAV), and the accompanying faculty members, Shilpa Thakur and Khemraj Sharma

- On April 26, 2024, an outreach program was held at Himalayan Public School, Rohru, Himachal Pradesh. The JUIT outreach team included Prof. Sudhir Kumar, Prof. Ashish Kumar, and Dr. Ankush Tanta. Prof. Sudhir Kumar conducted an experiment involving microbial identification to illustrate basic microbiology techniques for a group of 70 students. A STEM-Olympiad was also held, with awards and certificates going to the first, second, and third place winners. Additionally, Dr. Sudhir Kumar gave a talk to the faculty on "Teaching Practices," in which 25 school teachers, Principal and Directorparticipated. School authorities also gave the team a tour of their artificial intelligence (AI) lab.

- A team of four faculty members from JUIT, Prof. Tiratha Raj Singh, Coordinator, Dr. Vikas Baghel, Member, Dr. P.K. Pandey, Member, Dr. Saurabh Srivastava, went to The Lawrence School, Sanawar, H.P. to judge an event about Mathematics, Web Designing and Robotics.

- Educational Tour to Jaypee University of Information Technology, Waknaghat by Students of DAV MAS, Totu, Shimla on April 29,2024

- To sensitize the students of MRA DAV Public School, Solan on April 24, 2024, Prof. Ashish Kumar HoD CE conducted an interactive session about Idea Generation, Principles of Innovation and motivated them towards self employment. He also highlighted the significant features of the Chief minister's startup scheme and encouraged them to materialize their ideas through incubation centre. Students were happy to know about the opportunities available to support their innovative ideas. The event was coordinated by Senior Faculty member of the school Sh. Pankaj Gupta and Principal Ms. Masooma Singha.

Dr. Sugandha Singh, Assistant Professor (Senior Grade), Department of Civil Engineering, attended the 27th International Conference on Structural Mechanics in Reactor Technology (SMiRT27) from March 3-8, 2024. The International Association of Structural Mechanics in Reactor Technology (IASMiRT) incollaboration with Japan Atomic Energy Agency organized this conference. Dr. Sugandha Singh also discussed possibilities for future research collaborations with Dr. Abhinav Gupta, Dr. Saran Bodda, Dr. Shinyoung Kwag, and Dr. Michelle Bensi during the conference.

FDP/Seminar/Conferences

Prof. Sunil Kr Khah attended two FDPs of 4-weeks duration, which are also having equivalence as NPTEL online certification courses: Effective Engineering Teaching in Practice Teaching And Learning in Engineering (TALE)

AICTE Approved FDP on Universal Human Values

Dr. Neena Jindal and **Dr. Ranjith Kallyani**, faculty members, Department of HSS attended the introductory Faculty Development Programme on Universal Human Values-II, held at Panjab University, Chandigarh from March 21-23, 2024. Almost 600

delegates from different North Indian states attended the AICTE approved FDP. Mr. Ajay Kumar Pal from Punjab, Dr. Piyush Sharma from Rajasthan and Mr. Krishan Kumar from Punjab were the resource persons for the FDP.

My Bharat Portal at IIPA

Dr Tanu and Dr Bhupendra attended a training on My Bharat Portal at IIPA , New Delhi organised by Department of Youth Affairs, Ministry of

Youth and Sports. Faculty and instructors from all over India participated in the training program.

Malviya Mission Teacher Training Programme

Two 8 days programmes were organized under the *National Education Policy-2020 Orientation and Sensitization Programme* by Himachal Pradesh University, Summer Hill, Shimla, where approximately 40 faculty members of JUIT, Waknaghat have attended these programmes whose titles were "Academic Leadership, Governance and Management" scheduled from Feb. 26 to March 5, 2024 & "Research & Development" scheduled from March 18-27, 2024.

Skill Development Training on Laboratory Animal Handling

Dr. Tyson and **Mr. Baleshwar Prasad** attended a skill development training on laboratory animal handling held at CSIR-IHBT Palampur from March 12-16, 2024. The training aimed to equip participants with essential knowledge and techniques in accordance with CCSEA guidelines for maintaining an animal house and proper methods of animal handling. Participants gained insight into the protocols outlined by CCSEA (Committee for the Purpose of Control and Supervision of Experiments on Animals) for the maintenance of an animal house, ensuring compliance with ethical standards and regulations. Various methods and best practices for the safe and humane handling of laboratory animals were demonstrated and practiced, emphasizing the welfare of the animals.

Educational Tour

The Department of ECE and Humanities & Social Science (HSS), jointly organized an industrial visit to TVS Motors and Signum Electro Pvt. Ltd. (situated at Nalagarh-Baddi, District Solan, H.P.) for UG/PG/Phd students of ECE and the UG students of BBA on April 11, 2024. This activity was coordinated by Prof. Rajiv Kumar, Dr. Amit Srivastava, and Dr. Pardeep Garg, 26 students accompanied by 6 faculty members and 2 lab staff members participated in this activity. The Signum Electrowave tour showcased the operations management realities of a commercial organization and further reinforced the importance of quality management at each stage of production. The company officials took the JUIT team to show all the steps in PCB manufacturing starting from Raw Material handling stage to Final Quality Assurance stage leading upto the final PCB ready for the customer stage. The TVS Motors visit started with an address by the manager to all in the conference hall. He gave a brief history of TVS motors and also spoke about the plant layout. The students were then taken around the assembly line where

the bikes and scooters were being assembled and tested. They were able to see management practices in action and also got an opportunity to interact with the manager accompanying the group. A faculty member from the HSS department accompanying the group took the opportunity to point out quality management practices being implemented in the plant.

Educational tour to Institute of Himalayan Bioresource Technology (IHBT) and CSK,HPKV Palampur from March 14-16, 2024 for Biotechnology students: The tour aimed to provide students with practical exposure to the field of biotechnology and its applications in the context of Himalayan bioresources. The students saw different artifacts

and products made of bamboo by indigenous techniques and methods developed by IHBT, Palampur. Developed under the CSIR-Floriculture Mission, the mesmerising Tulip garden at CSIR-Institute of Himalayan Bioresource Technology (CSIR-IHBT), Palampur was appreciated by all.

The Department of ECE, organized an industrial visit to Semiconductors Limited (SCL) Laboratory situated at Mohali (Punjab) on April 26, 2024. This activity was coordinated by Prof. Rajiv Kumar (HoD, ECE), and Dr. Pardeep Garg (Assistant Professor, ECE). 30 students studying in UG/PG/Phd programmes of ECE department got the opportunity to go for this industrial visit. SCL is an autonomous society under the Ministry of Electronics and Information Technology (MeitY) with more than 40 years of experience as a semiconductor Integrated Device Manufacturer (IDM). This visit gave a

wonderful exposure to JUIT team in the emerging area of Semiconductors/VLSI field.

STUDENTS ACHIEVEMENTS

1. 'CSE Students' remarkable achievement in Technovation event

JUIT proudly celebrated the remarkable achievement of its students in the recent Technovation event hosted at Amity University Mohali, Punjab. The JUIT team clinched the runner-up position, showcasing their exceptional prowess in the domain of technological innovation. Under the adept leadership of Rishabh Gupta, Anmol Nayyer, and Raghav Sharma and the able guidance of Dr. Aman Sharma and Dr. Diksha Hooda the team presented their cutting-edge project focusing on SAGROBOT technology. The recognition bestowed upon the team by esteemed professionals along with acknowledgment from TIME Pvt Ltd, underscores the significance of their accomplishment. This accolade not only highlights the individual achievement but also reflects JUIT's commitment to nurturing innovation and excellence among its students.

2. Technex- IIT BHU

A team of 30 bright minds from ACM JUIT embarking on a quest to immerse in the cutting-edge world of technology and innovation, went to IIT BHU students participation in premier tech fest, offered a multifaceted experience filled with excitement and learning across a spectrum of competitions. From immersive workshops to exhilarating competitions, every moment was a testament to the power of technology and human ingenuity.

By participating hackathons, students learned to come up with ideas quickly, write code fast, and work as a team to solve problems. It was like a fast-paced puzzle game that taught how to think creatively and work efficiently. Tech talks by industry experts

opened eyes to emerging technologies and market trends, while workshops provided hands-on experience with cutting-edge tools and techniques. Entrepreneurship events sparked entrepreneurial spirit, challenging pitch ideas, develop business plans, and think strategically about market opportunities.

Networking with peers, mentors, and industry professionals enriched professional connections and inspired collaborative ventures.

Technex was not just an event—it was a transformative experience that fueled passion for continuous learning, creative thinking, and collaborative problem-solving, shaping into resilient and innovative leaders ready to conquer the ever-evolving tech landscape.

3. CESA Fiesta 2.0 organized by Department of Civil Engineering at IIT Ropar: Two M. Tech. students of Civil Engineering Department, Mr. Akhil Raj and Mr. Ajeet Singh presented their research at CESA Fiesta 2.0 organized by Department of Civil Engineering at IIT Ropar for the second consecutive year on March 9-10, 2024. The 2-day symposium was attributed to the celebration of science, innovation, and research in a diverse spectrum of civil engineering. One of the rudimentary aims of this event was to unite researchers from various sectors and nurture them for the collective advancement of the country through skill development, breakthrough ideas, and groundbreaking inventions.

4. Three students (1. Abhishek Kumar 211011, 2. Alisha Siddiqui 211053, 3. Sanat Jain 211054) studying in their UG program of ECE/ECM discipline were selected for their upcoming 'Summer Training' during June-July 2024 at Mitsubishi Electric India (MEI) Pvt. Ltd. Gurugram.

5. **AAROHAN** sports fest organized by IIT Ropar, where 90 Students of JUIT participated enthusiastically from March 15-17, 2024. The event showcased their exceptional athletic abilities across a diverse array of sports disciplines. The athletes competed in a wide range of sports including basketball, volleyball, football, cricket, chess, table tennis, athletics, power lifting and badminton. The dedication and skill of the athletes shone brightly throughout the competition, yielding remarkable achievements and showcasing their prowess on a grand stage. The final medal tally of the event:
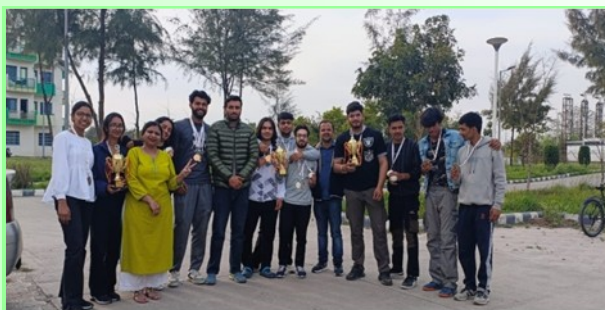
Sport	Gold Medal	Silver Medal	Bronze Medal
Shortput	Pradumn Vashisht		
400 meters		Pradumn Vashisht	
800 meters		Yuvraj Khanna	
1500 meters		Yuvraj Khanna	
5000 meters			Ayush Rawat
Discus Throw			Aatesh Yadav
Weightlifting	Arnav Sharma		Aryan Dhiman
4x100 relay		Pradyumn Vashisht, Yuvraj Khanna, Kuldeep and Himanshu	
Table tennis (girls)		Akansha Chauhan, Anamya Verma and Pranjal Bansal	

Invited Lectures by JUIT faculty

Prof. Sunil Kr Khah delivered an invited talk on "Shared Aperture Sensors" in the conference "Recent Advances in Science and Technology for Sustainable Environment" held at R.B.S. Engineering Campus, Bichpuri, Agra during April 5-6, 2024.

Dr Amit Srivastava, HoD, HSS, was invited as a resource person for "One Week Workshop on Research Methodology and Data Analysis in Management" at HPUBS, HPU, Shimla during March 18-24, 2024.

STUDENTS ACTIVITIES
Exhibit Expanse

The Exhibit-Expanse was organized by Institution's Innovation Council (IIC), JUIT in collaboration with IEEE JUIT SB, Technology Incubation and Entrepreneurship Development Cell (TIEDC), and Enkindle club CSE on April 5th, 2024. The event provided a remarkable platform for students to exhibit their Internet of Things (IoT) projects. With the overarching goal of nurturing innovation and promoting practical applications of technology, the event offered students the unique opportunity to showcase their projects. The event centered on students presenting their IoT projects, covering a diverse range of applications from Agricultural and home automation systems. Each project demonstrated the students' ingenuity and technical expertise, showcasing their ability to innovate and solve real-world problems.

Educational Workshop at GSSS, Domehar (Koshish Club)

On April 12, 2024, the Koshish Club, a dedicated initiative within the JYC aimed at providing underprivileged children with access to quality education, organised an Educational Workshop at Government Senior Secondary School, Domehar. Led by faculty coordinator Dr. Raj Kumar, a delegation of student volunteers including Vidushi, Niharika, Palak Sharma, Nikhilesh, Nitish Gupta, Anjali Panwar, Dhriti Sharma, Vanshaj Sharma, Vardaan and Aastha Jain, conducted the workshop with the objective of teaching fundamental mathematics concepts to students in classes 1st to 5th and introducing Vedic mathematics techniques to those in classes 6th to 8th, by tailoring the workshop to meet the specific needs of different age groups, the club aimed not only to enhance the educational experience of the attending children but also to empower them with essential skills and knowledge that can positively shape their futures.

Act for Life: Battle against Cancer – Conclusion

On 5th March 2024 The Rotaract Club of Waknaghat completed shooting a short film based on the battle against cancer. The method of storytelling was chosen for this all-important subject to easily reach the hearts and capture the minds of the

people to get the ball rolling to start the fight against the disease. The short film was released on Instagram and thus,

the power of social media was leveraged to spread the message. The club members, in the process of making the film, also polished up their acting skills and showcased their talent in script writing. Part 2 of the short film was successfully shot and the outcome has won many hearts ever since on Instagram.

स्वशक्ति

The Rotaract Club of Waknaghat came up with the initiative स्वशक्ति on 20th March 2024 to gather women from all walks of life be it female helpers, female security guards as well as the

warden of the girl's hostel to start a dialogue about wellness, struggles in life, need for women to prioritize themselves whilst taking care of their families and ignite the power that lies inside every woman to become self-empowered.

Ethos – A Logo Redesigning Competition

The Rotaract Club of Waknaghat organized'**Ethos: A Logo Redesigning Competition**' to bring together JUITians for an evening of creative expression and community engagement. Participants showcased their

talent by redesigning logos of social organizations, aiming to convey the organization's values and missions through innovative designs. Despite the competition having concluded, the spirit of creativity and support for social causes continues unabated.


Legal Awareness Camp

On March 6, 2024 a Legal Awareness Camp was organized by the Internal Complaint Committee (ICC) and the Gender Champion Club, JUIT, in collaboration with esteemed legal professional Advocate Sheetal Vyas from the High Court Shimla. She delivered an informative and engaging talk on legal awareness, covering diverse topics relevant to students' lives. The session encompassed discussions on fundamental rights, legal responsibilities, gender equality, and the

importance of understanding legal frameworks in society.

STORAGE WARS-INNOVATION THINK BOX

Institution's Innovation Council (IIC) and Technology Incubation & Entrepreneurship Development Cell (TIEDC), Jaypee University of Information Technology, Waknaghat (H.P.) organised "Storage Wars-Innovation ThinkBox" on March 9, 2024. The event was to develop a broad understanding as well as to generate curiosity among students related to finance and technology by integrating technical terms found within the mysterious boxes into unique pitch ideas, fostering a platform for students to develop compelling presentations that showcase their ingenuity and problem-solving skills. The event was a thrilling event where students had been given a set amount of money to spend. However, they had to be incredibly careful about how they spent it. Why? Because they were heading to a unique auction where they would bid on mystery boxes. These boxes were filled with all sorts of surprises, but the students wouldn't know what was inside until they won the bid. So, they had to be strategic with their money, ensuring they had enough to bid on the boxes they truly desired. This event merged finance and technology, prompting strategic bidding on mystery boxes. Technical terms within the boxes inspired unique pitch ideas, fostering problem-solving skills and ingenuity. The event aimed to cultivate curiosity and understanding among students through engaging presentations.
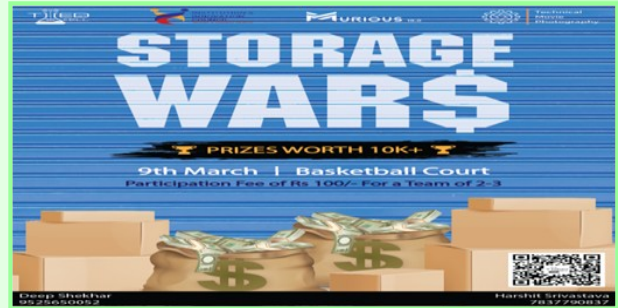
During the event, participants were supposed to create powerpoint presentations and innovate a product based on any technical domain topic they found in the box. This aspect added an exciting dimension to the competition, requiring participants to not only bid strategically but also to analyse and innovate based on the contents of their acquired boxes. It encouraged students to think critically about how they could leverage their technical knowledge to develop compelling products or solutions. At the end of the event, winners were declared based on who had made the most profit. This profit was calculated by subtracting the approximate value of the items seen in the box from the amount spent to win the bid. Therefore, it wasn't just about luck – it was about making smart decisions and maximizing earnings through strategic bidding and innovative thinking.

SOCIAL TANK

Social Tank event was held on the April 11, 2024 in collaboration with IEEE SIGHT Delhi Section, Rotaract Club Waknaghat, JUIT and IEEE JUIT SB. The event provided a platform for teams representing various non-governmental organizations (NGOs) to pitch their corporate social responsibility (CSR) ideas to esteemed judges from the industry. With prominent companies like Reliance Industries Limited, Tata Group, Infosys, Wipro Limited, and Mahindra Group as focal points, the event aimed to foster collaboration and innovation in addressing social and environmental challenges.

Corporate social responsibility programs aim to structure a company's efforts to give back to the community, participate in philanthropic causes, and provide positive social value. The event highlighted the importance of aligning CSR initiatives with social causes such as education, healthcare, environmental conservation, and community development.

MURIOUS 18.0

On March 8, 2024, JUIT commenced the much-anticipated tech fest MURIOUS 18.0, a three-day extravaganza brimming with technological innovation, creative expression, and spirited competition. Captivating array of activities were also designed to captivate and engage attendees from diverse backgrounds. As the day progressed, attendees delved deeper into the realms of technology and innovation with the commencement of Expanse 3.0, an immersive showcase highlighting the latest advancements across various technological domains. MURIOUS was a vibrant tapestry of creativity, innovation, and entertainment, offering attendees an immersive and enriching experience that left a lasting impression. With a diverse array of

activities catering to every interest and passion, the event fostered a sense of community and engagement among participants, laying the foundation for an exhilarating journey.

THE EXPANCE

"The Expance 3.0" was a hackathon designed for students to immerse themselves in a dynamic environment designed to foster creativity and problem-solving. With 10 thought-provoking problem statements to tackle, participants demonstrated the power of teamwork and unity. Drawing upon a diverse pool of expertise and guided by mentors, students unleashed their inge-nuity to address real-life challenges head-on.

WEB-O-FIESTA

Web-o-fiesta was a competitive event for web developers. This event tested both creative and technical skills of web designers. An intricate UI is shown to the participants for 10-20 seconds. Participants were required to re-create the exact UI under a given time span. This competition helped showcasing various skills of the students such as strong sense of time management, attention to detail and their logical approach to work.

Editorial Board
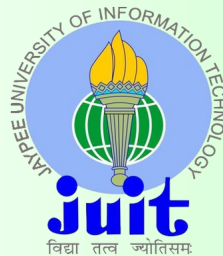
Jaypee University of Information Technology Waknaghat,
P.O. Waknaghat, Teh. Kandaghat, Distt. Solan
Himachal Pradesh – 173234 (INDIA)
Ph: +91 – 1792-257999

www.juit.ac.in