

A Newsletter of JUIT

HILLY RAMBLINGS

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International Conference on
STRUCTURES, MATERIAL AND CONSTRUCTION (ICSMC) 2021
November 12 – 13, 2021

Department of Civil Engineering, JUIT in collaboration with Institution of Engineers (IEI) Shimla Chapter, Indian Geotechnical Society (IGS) Shimla chapter, Atria Institute of Technology (AIT) Bengaluru, The Institution of Civil Engineers (ICE) India and Indian Green Building Council (IGBC) Chandigarh Chapter organized first international conference on STRUCTURES, MATERIALS and CONSTRUCTION (ICSMC) 2021 on 12th and 13th November 2021 in online mode. The conference played a key



role in bridging the existing gap between practitioners and academicians in the field structural engineering and providing information on innovations in structural design, new construction materials, and construction techniques. ICSMC 2021 featured keynote lectures by 10 world renowned speakers and 100 oral papers by various delegates. Considering COVID-19 pandemic, participants were given freedom to present their talks/presentations related to their research work in online mode. More than 500 high quality research papers were received for the event out of which 100 papers were accepted for presentation in ICSMC 2021. Selected proceedings of the conference are published by Springer in its Scopus index book series called Lecture notes in Civil Engineering in the book entitled

“Recent Advances in Structural Engineering and Construction Management” which will become available in early 2022.

During the Inauguration ceremony of the conference Chief Guest Dr. Kong Kian Hau from Department of Civil and Environmental Engineering, National University of Singapore spoke on the urgency to move towards sustainable infrastructure and what steps developed nations are taking in this regard. In brief time of two days, 10 keynote sessions



(each of one hour) and 12 technical sessions (each of 3 hours) simultaneously were conducted under supervision of expert session chairs and moderators. The conference concluded on 13th November 2021 by distribution of 3 best paper awards by the Chief Guest Dr. Geng Guoqing, from National University of Singapore.



Virtual International Conference on
**TECHNOLOGICAL INTERVENTIONS IN RENEWABLE ENERGY FOR
 SUSTAINABLE ENVIRONMENT (RESE – 2021)**
 November 24 – 25, 2021

A virtual International conference on Technological Interventions in Renewable Energy for Sustainable Environment (RESE) was held on 24th – 25th November 2021 at JUIT. It was organized by Technology Incubation and Entrepreneurship Development (TIED) Cell, Centre of Excellence in Sustainable Technologies for Rural Development (CESTRD) of Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Himachal Pradesh. The CESTRD mission is the upliftment of the lifestyle and living status of rural people through the intervention of JUIT scientists through sustainable technologies especially in the area of renewable energy and waste management. The idea of organizing RESE-2021 was to discuss and look for the novel ideas in the domain of renewable energy.

Various experts spoken on different but useful topics during the conference, name a few are Dr. R K Sani (USA), Dr. Rameshprabhu R (Thailand), Dr. Luciane Colla (Brazil), Dr. Fuaziah Marpani (Malaysia), Dr. Yuwalee Unpaprom (Thailand), Dr. Prashant Botham (USA) along with many Indian experts.

**A Virtual International Conference on
 Technological Intervention in
 Renewable Energy for Sustainable Environment
 (RESE-2021)**
 On 24th and 25th November 2021
 Organised By
 Technology Incubation And Entrepreneurship Development (TIED) Cell and
 Centre Of Excellence In Sustainable Technologies For Rural Development (CESTRD)
 Department Of Biotechnology And Bioinformatics
 At
 Jaypee University of Information Technology
 Walaahat, Solan - INDIA (173234)

Mission: The focus of TIED cell of JUIT is to harness the talents and research strengths available in different engineering disciplines and apply the same to socially relevant projects in the form of startup ventures. The CESTRD mission is the upliftment of the lifestyle and living status of rural people through the intervention of JUIT scientists through sustainable technologies especially in the area of renewable energy and waste management. RESE-2021 looks forward to novel ideas in the domain of renewable energy. The best idea research work under each theme will be given an opportunity to submit their ideas as a startup proposal to TIED Cell.

Chairperson
 Prof. Rajendra Kumar Sharma, Vice Chancellor, JUIT

Chief Guest
 Prof. Ashok Kumar Gupta, Dean (Academic and Research), JUIT

Program Chair
 Prof. Sudhir Kumar & Prof. Ashish Kumar
 Organizers, Conferences

Student Coordinators
 Mr. Anas Malik, Department of BT & B
 Mr. Devansh, Department of ICE

**The Registration is Free of Cost!
 For Registration [CLICK HERE](#)**



Sixth International Conference on
IMAGE INFORMATION PROCESSING (ICIIP-2021)
November 26 – 28, 2021

The inaugural ceremony of the 6th IEEE International Conference on Image Information Processing was held at Jaypee University of Information Technology on 26th November 2021 in online/virtual mode. The ceremony commenced with kindling the lamp of light and wisdom by a group of dignitaries- Padmashri Prof. Deepak. B. Phatak, (Professor Emeritus, Department of CSE, IIT Bombay, Mumbai, India), Dr. Buddha Chandrashekhar, (Chief Coordinating Officer, AICTE, Ministry of Education), Prof. (Dr.) Rajendra Kumar Sharma (VC, JUIT), Prof. (Dr.) Vinod Kumar (Advisor, JUIT), Prof. (Dr.) Samir Dev Gupta (Honorary Chair), Prof. (Dr.) Vivek Sehgal, HoD, CSE& IT, Dr. P.K. Gupta (Principal General Chair, ICIIP2021), Dr. Ekta Gandotra (Executive General Chair, ICIIP 2021), and Prof.(Dr.) Aparajita Ojha from PDPM IIIT Jabalpur, India (TPC Chair, ICIIP 2021).

Keynote speakers were:

- Prof.(Dr.) Abhiva Dhall, Professor, Department of Computer Science, IIT Ropar
- Prof. Dr. Johan Debayle, Professor at the Ecole Nationale Supérieure des Mines de Saint-Etienne (ENSM-SE), part of the Institut Mines-Telecom in France
- Prof. Dr. Sanjay Kumar Singh, Institute of Electrical and Electronics Engineers (IEEE)
- Prof. (Dr.) Aparajita Ojha, Professor CSE, PDPM Indian Institute of Information Technology, Design and manufacturing, Jabalpur

This three day conference was organized by the Department of Computer Science and Engineering and Information Technology inaugurated on 26th November 2021 by Prof. (Dr.) Rajendra Kumar Sharma and General Chair Prof (Dr.) P.K Gupta with the aim to serve for researchers, developers, educators working in



the area of Imaging Science and Image Computing and their applications to present and future work as well as to exchange research ideas. The schedule for the conference included keynote sessions, paper presentations and special talks. The organizers received 425 research papers from 7 different countries.

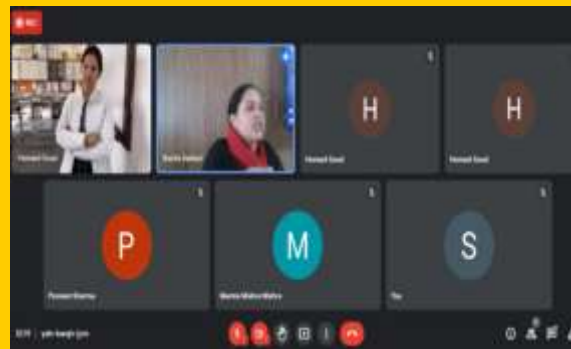


International Technical Program committee (TPC) members and reviewers from 39 different countries contributed to the peer review process. Finally 130 papers were selected (an acceptance rate of 30%) for further possible inclusion in the conference proceedings at IEEE Xplore. These papers have been organized into various oral parallel technical sessions.

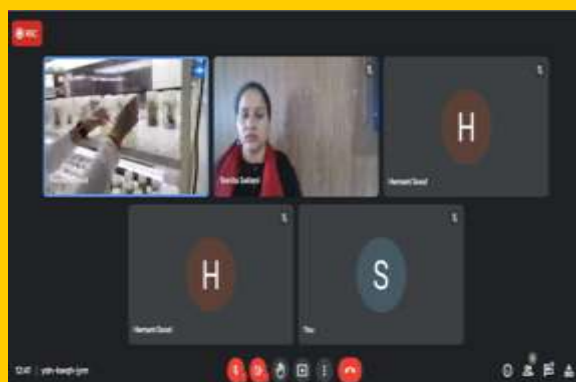


Online Workshop on
PLANT TISSUE CULTURE TECHNIQUES
November 18, 2021

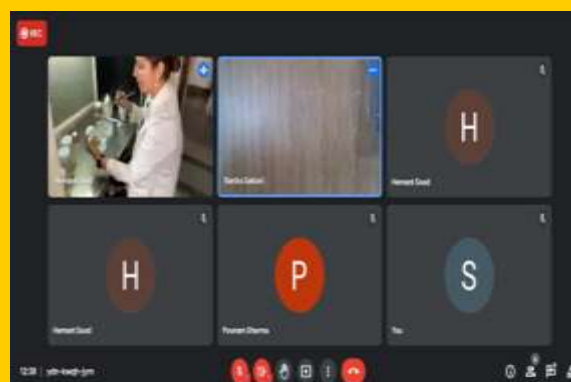
On 18th Nov 2021 Department of Biotechnology and Bioinformatics, JUIT has organized a workshop via online mode for demonstrating different plant tissue culture techniques to nearly 200 students of B.Sc (medical) final year of Vallabh Govt. College Mandi. Dr. Hemant Sood and Dr. Poonam Sharma coordinated this workshop along with a team composed of Mamta Mishra, Somlata Sharma, and Rolika Gupta. Dr. Banita and Prof Priyanka from the Department of Botany along with their team coordinated all via online mode at Vallabh Govt. College Mandi. The workshop session started



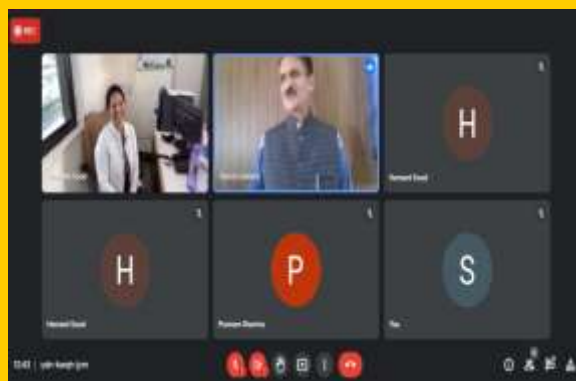
Google meet link. Prof Y.P. Sharma (Principal, VGC, Mandi) addressed the students and acknowledged the efforts of the coordinating



with a lecture by Dr. Hemant Sood about Scopes of Biotechnology and Bioinformatics and its future avenues in India and overseas. The lecture was followed by a live demonstration of Plant Tissue Culture techniques via shared



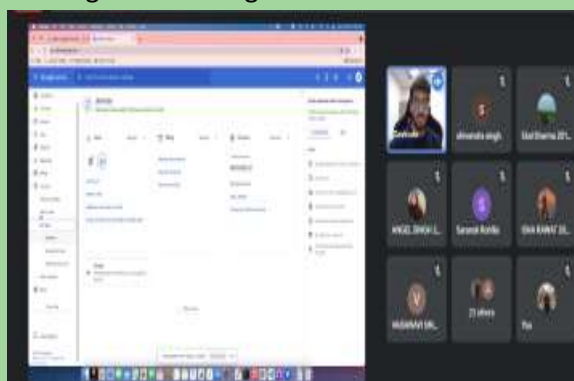
teams of JUIT and Mandi College. In the last, the interaction with students was carried out and online feedback was collected via shared Google form.



Webinar on
FRONT-END DEVELOPMENT
November 13, 2021

IEEE WIE-SB, JUIT Waknaghat organized a webinar on “Front-end Development” on 13th November 2021 at 3:00 pm through the Google meet platform. The guest speaker of the webinar was Mr.Sunny Puri SDE, at Swiggy India. Front-end web developers, with their tools HTML, CSS, and JavaScript, and their duty to provide users a friendly and hassle free experience of the web application keeping in consideration the vast variety of users as well as the variety of devices they use, design beautiful and easy to use sites.

The webinar started with IEEE WIE welcoming the gathering, followed by the introduction of the guest speaker, Mr. Sunny Puri. The speaker interacted with the participants and talked about his experience in the field of front-end development. He gave an overview of industry needs and gave examples of the tools and techniques which are popular and mainly used. The guest speaker provided an insight into the topic and shared his experience. He provided participants with a detailed roadmap to front-end development to inspire them to explore the field. He also gave different resources to help the participants learn the languages required and to gain knowledge that matches the current



requirement of the industry. The webinar came to end with a question/ answer round; several queries of the participants were answered. We received a good response from the audience and participants gave their feedback. Participants appreciated the webinar.



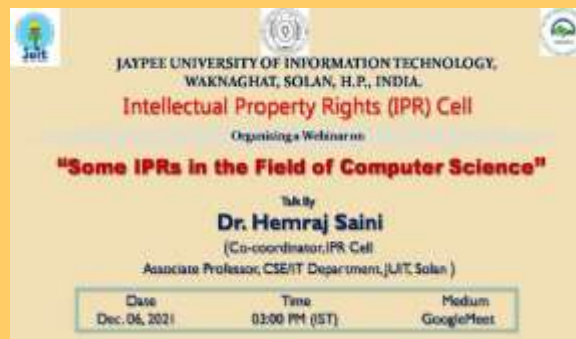
Webinar on
SOME IPRs IN THE FIELD OF COMPUTER SCIENCE
 December 06, 2021

IPR Cell of JUIT organized a webinar on “Some IPRs in the field of Computer Science” by Dr. Hemraj Saini, Co-coordinator IPR Cell on 6th December, 2021. The event was started at 3:00PM. Dr. Shruti Jain introduced Dr. Hemraj Saini to the audience and welcomed the invited speaker on behalf of IPR Cell Team. About 40 faculties, researchers, and students attended the event.

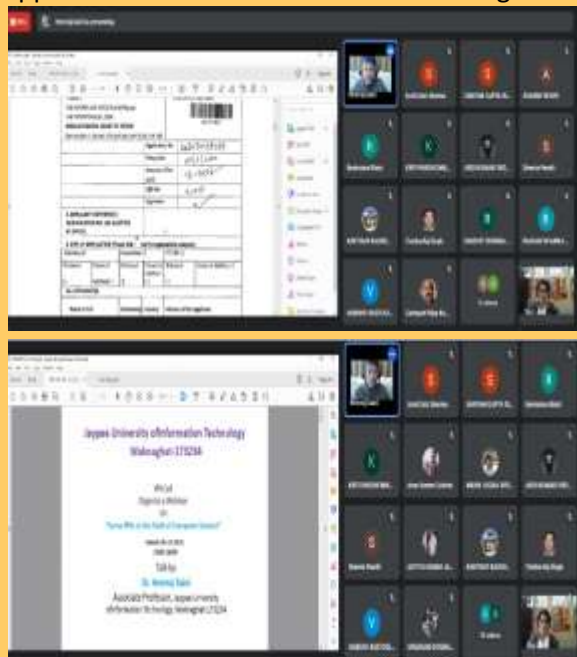
The following points were discussed for the audience during the event-

- Introduction to patent
- Importance of patent writing
- Contents of patent writing
- Different Important forms and fees structure
- Steps wise procedure to file a patent application through HIMCOSTE getting assistance from JUIT IPR Cell
- Topics, which the speaker tried in the field of CSE
- Patent resources

A more practical idea about filling the patent applications was discussed to encourage the



patent filing by different faculty members and students. Various filled-In forms, ideas and the way to decide the different contents of a possible patent were discussed. We hope that the event will encourage the audience to work towards filing the new patents through JUIT, IPR Cell.



Webinar on
FUNDAMENTALS OF HIGHWAY DESIGN
November 23, 2021

The Department of Civil engineering, JUIT organized a one-day Webinar on “Fundamentals of Highway Design” on 23rd November 2021. The event was inaugurated by Prof. Dr. Ashish Kumar, Head of Department, Civil Engineering, JUIT. He welcomed the participants and emphasized on the importance of such lectures which can familiarize the participants with the ongoing research in the field of Highway & Transportation Engineering. Two lectures were delivered by the expert panel from CSIR – Central Road Research Institute, New Delhi on 23 November 2021.

- a. *Geometric Design of Highways*, by Mr. Sachin Gowda M K, Scientist, Pavement Evaluation Division (PED), CSIR – Central Road Research Institute
- b. *Structural and Functional Evaluation of Flexible Pavement*, by Dr. Aakash Gupta, Scientist, Pavement Evaluation Division (PED), CSIR – Central Road Research Institute

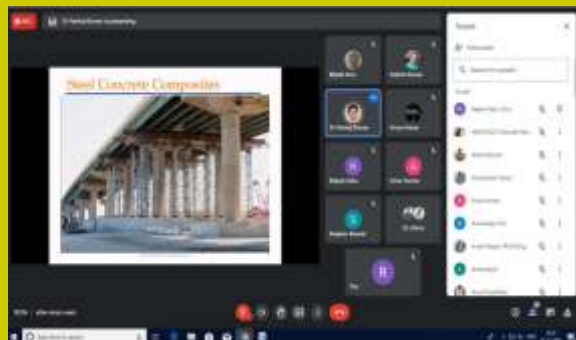
The event was coordinated by Mr. Rohan Singhal,

Assistant Professors, Department of Civil Engineering, JUIT Waknaghat. The webinar targeted the practitioners in the field of Highway & Transportation Engineering from academia and construction industry. An overwhelming response was received with more than 260 registrations for the event. The participants consisted of research scholars, academic experts, industrial practitioners, and students from various organizations including IITs, NITs, BITS Pilani, L&T, AECOM, J K Group, Indian Geotechnical Society, WS Atkins, RITES, CSIR, and many others. All the attendees took active part in discussions and a range of practical problems were discussed with the expert panel. Both the speakers expressed their interest in collaborating further with JUIT Waknaghat. The webinar was concluded by a vote of thanks by the event coordinator. The content of the lectures delivered, was well appreciated by the participants as highlighted by the positive feedback.

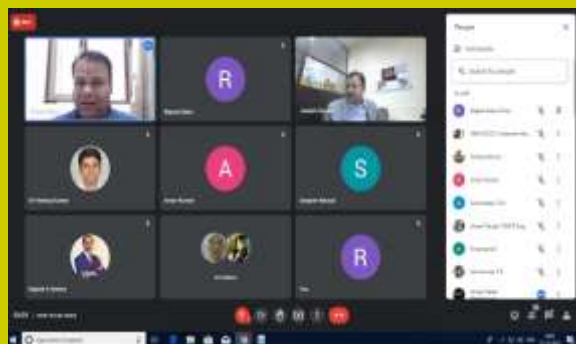


Webinar on
HANDS-ON DESIGN OF COMPOSITE BEAMS
November 27, 2021

The Centre of Excellence in Structural Engineering and Disaster Management (CESEDM) at Jaypee University of Information Technology, Wanknaghat organized a one-day Webinar on “Hands-on Design of Composite Beams” on Saturday, 27 November, 2021. The event was inaugurated by Prof. Dr. Ashish Kumar, Head of Department, Civil Engineering and Coordinator of CESEDM, JUIT Wanknaghat. He welcomed all the participants and emphasized on the importance of such sessions which can familiarize the participants with the ongoing research in the field of Structural Engineering. The participants of the Webinar included academicians and partitioners from



the field of Structural Engineering from all across the country. The instructor, Dr. Pankaj Kumar, Assistant Professor, Department of Civil Engineering, NIT Nagaland introduced the participants with the concepts of Composite Beams and elaborated the procedure for design of such beams with a worked-out example, in a hands-on fashion.



The event was coordinated by Mr. Arnav Anuj Kasar, Assistant Professors, Department of Civil Engineering, JUIT Wanknaghat. The webinar received an overwhelming response with more than 170 registrations for the event. Among the benefactors were academicians from Institutes like IIT Ropar, NIT Patna, NIT Hamirpur, NIT Jalandhar, NIT Uttarakhand, Anna University; along with practicing Engineers from various Government and Private bodies like Water Resources Department, Marshal Geo Test Lab, Raipur, Simulation Lab Pvt Ltd, Pune etc. All the attendees took active part in discussions and a range of practical problems were discussed with the instructor. The invited speaker expressed



his interest in collaborating further with JUIT Wanknaghat. The webinar was concluded by a vote of thanks by the event coordinator. The content of the session was appreciated by the participants as highlighted by the positive feedback.



Webinar on

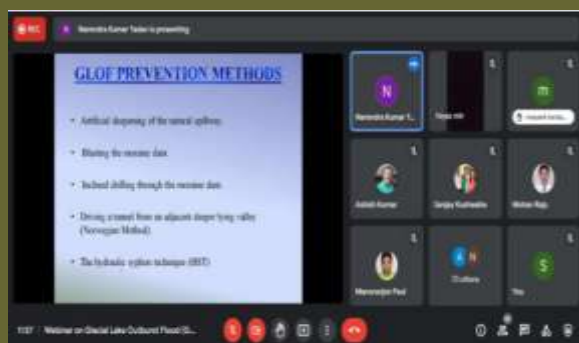
GLACIAL LAKE OUTBURST FLOOD (GLOF): AN INSIGHT

January 29, 2022

The Centre of Excellence in Structural Engineering and Disaster Management (CESEDM) at JUIT organized a one-day Webinar on “Glacial Lake Outburst Floods (GLOF): An Insight” on Saturday, January 29, 2022. The event was inaugurated by Prof. Dr. Ashish Kumar, Head of Department, Civil Engineering and Coordinator of CESEDM, JUIT Waknaghat. Dr. Kumar welcomed all the participants and emphasized on the importance of such sessions which can familiarize the participants with the ongoing research in the field which is a huge part of Disaster Management in mountainous regions such as Uttarakhand and Himachal Pradesh. The participants of the Webinar included students, academicians, and

and instances from his personal experience from Uttarakhand floods.

The event was coordinated by Dr. Sugandha Singh, Assistant Professor, Department of Civil Engineering, JUIT Waknaghat. The webinar received an overwhelming response with more than 190 registrations for the event. Among the benefactors were academicians and students from Institutes like IIT Roorkee, IIT Mandi, IIT Hyderabad, IIST Shibpur, NIT Kurukshetra, NIT Calicut, NIT Karnataka, Anna University, G.B. Pant University of Agriculture & Technology; along with practicing Engineers from various Government and Private bodies like LEA Associates South Asia



practitioners from the field of Civil Engineering from all across the country. The presenter, Mr. Narendra Kumar Yadav, Chief Engineer (Retd.), Uttarakhand Irrigation Department, introduced the participants with the basics of Glacial Lake Outburst Floods and discussed the case studies



Pvt. Ltd., REC Power Development & Consultancy Ltd., AICA GC Mumbai Metro, Govt. of Andhra Pradesh, etc. All the attendees took active part in discussions and a range of practical problems were discussed with the presenter.

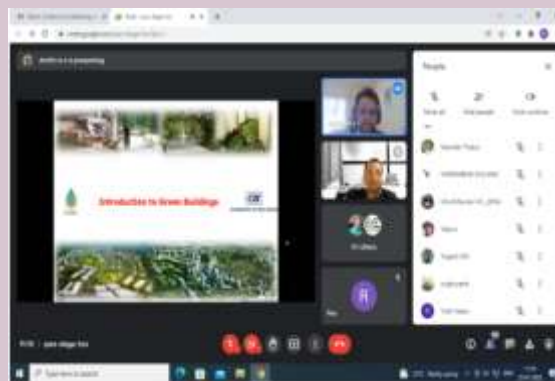


Webinar on
VARIOUS ASPECTS OF GREEN BUILDING DESIGN
January 25, 2022

A Virtual Session on Green Building Design was planned and successfully organized on 25 January 2022. The primary focus of this event was to promote the knowledge for sustainable material which will help to minimize our carbon footprint and utilize clean energy in our construction work. The Virtual Session was organized in online mode via Google Meet platform by JUIT Student Chapter. Green building design aspects refers to both a structure and the application of processes that are environmentally responsible and resource-efficient throughout a building's life-cycle: from planning to design, construction, operation, maintenance, renovation, and demolition. This program allows participants to know the importance of Green Building and how to use sustainable materials in old and new structures to make them effective.

Dr Tanmay Gupta hosted the session on Google Meet and Live on JUIT YouTube Channel at 10:45 AM (IST). More than 100 participants on Google Meet and 256+ participants were connected through YouTube for this Virtual Session. Prof. Ashish Kumar - HOD Civil Engineering Department welcomed all speakers, dignitaries and participants in this session. Mr. Amit M C was the first speaker presenting the Introduction of IGBC, What is Green Building,

What are the features & Benefits of Green Building and lastly discussed about IGBC Mission on Net Zero. Col. Shailesh Pathak was the Second speaker of the event discussing the role of Glass as a Sustainable Green Building Material, where the importance was given to the use of glass for controlling solar energy to maintain optimum temperature and to let natural light enter the compound to reduce the need of artificial light during day time. Ar Shelja Gupta was the final speaker of the event sharing Urban Green Buildings: the new address of sustainability in which a case study having Platinum rating was discussed with all the participants. The project was called EXOTIC GRANDEUR which has set a bench mark in Punjab by becoming the first ever Green Building. The difference between Regular Group Housing and Luxury Green Homes were shared excellently with the help of Site Layout, showing the importance of orientation to allow sunlight and air into the apartment. How to get credits and which are the main parameters were projected to all the participants. Computer Generated Analysis was shared to discuss the importance of Daylight analysis and support documentation of Project. The feedback was conducted through a form circulated among the participants and the webinar was ranked Excellent.



Outreach Activity

COLLABORATIVE WORKSHOP AT KHALSA COLLEGE, PATIALA

December 06, 2021

On National Science Day 28th Feb, 2022 Department of Biotechnology and Bioinformatics, JUIT organised collaborative workshop with Department of Biotechnology at Khalsa College Patiala. The workshop was arranged for the aspiring students (40 in numbers) of B.Sc (Biotechnology) of Khalsa College for providing hands on experience on different biotechnological techniques at the Department of Biotechnology, Khalsa College, Patiala. Dr Nipunjot Kaur (HOD, Department of Biotechnology, Khalsa College) organised the workshop with Prof. (Dr) Sudhir Kumar (HOD, Department of BT and BI, JUIT Waknaghat, Solan). Workshop session started with the address of Dr. Dharminder Singh Ubha, Principal Khalsa College followed by lecture of



Prof. (Dr.) Sudhir Kumar where he appraised and motivated students with future avenues of biotechnology and other related streams.

Workshop sessions were started in labs where Prof. (Dr.) Sudhir Kumar gave demonstrations of a microbiological techniques like identifying Gram's nature of bacteria without using stains and microscope, Dr. Jata Shankar Associate professor



(BT &BI) demonstrated PCR and explain in details about different molecular techniques including RT-PCR, Dr. Hemant Sood Associate professor (BT &BI) demonstrated plant tissue culture techniques for endangered medicinal/exotic plants and its applications in crop improvement programmes.



Ph.D. scholars (Monica and Sargeet) along with Lab technician Baleshwar Prasad helped in coordinating the practice sessions of the students. The students' feedback showed great satisfaction and knowledge enrichment in this workshop. Department of BT and BI deeply acknowledged the hospitality, support and well organisation of the workshop by the team comprised of faculty and staff headed by Dr. Nipunjot Kaur.



B

Club Event

ESSAY WRITING COMPETITION

November 11, 2021

IEEE-WIE JUIT SB organized an e-Essay Writing Competition on the topic "Women in Innovation and Engineering". The competition took place from 7th November to 11th November 2021 through Google form. Participants submitted their writings in a pdf format through the link provided along with the email. A total of 21 entries were received. Result declaration was held on 13th November 2021, three best performers were adjudged winners.

- 1st Position – Parul Shah (1st Year JUIT)
- 2nd Position – Amrita Mishra (3rd Year JUIT)
- 3rd Position – Monisha Surana (2nd Year JUIT)

The purpose was to make aware of what barriers women are facing in today's tech organizations and how they must be uplifted also to give an opportunity to young minds to ensure women, minorities, and technology organizations realize a diverse and inclusive workplace. The competition brought out the talent and creativity of the students. Everyone put their best foot forward and made it a successful event altogether.



INTERNATIONAL WEBINAR SERIES (IWS): SEASON 2

EXPERT: Dr. Rajinder Gupta, Emmy Noether Group for Computational Microbiome Research, Technical University of Munich, Germany

TOPIC: FuSe: A tool for functional analysis of RNA-Seq data

DATE: 20th November 2021



EXPERT: Mr. Satyam Kapoor, Cloud Infrastructure Engineer, Sitecore, Belgium

TOPIC: Containersation & DevOps Practices for Bioinformaticians

DATE: 18th December 2021



Outreach event

CELEBRATED NATIONAL SCIENCE DAY - 2022

28 Feb 2022

National Science Day Symposium (NSDS) was organized on the occasion of National Science Day -2022 on 28-02-2022. This event is planned and executed by Jaypee University of Information Technology, Wanknaghat, Solan with the financial support from HIMCOSTE, Government of Himachal Pradesh and catalyzed by Department of Science and Technology (DST), Government of India. The theme of this year's National Science Day was "Integrated approach of science and technology for a sustainable future". On this festival of Science, JUIT has organized some events for the students in various schools in



offline as well as online mode. In NSDS-2022 JUIT has received more than 530 registrations from all over India. Entries were received from H.P., Punjab, Haryana, Delhi, Uttar Pradesh,

WINNERS OF QUIZ COMPETITION	
FIRST	Aditya Thakur, Mr. Aditya Thakur, Class-XI, Government Senior Secondary School, Barmana, Bilaspur
SECOND	Mr. Nitin Yog, Class-XIIA, Chapslee School, Eslum Hills, Lakkar Bazar, Shimla,
THIRD	Ms. Suman Kumari, Class-XII, Government Senior Secondary School, Kandaghat, Solan
THIRD	Ms. Shivani, Class-XII, Government Senior Secondary School, Panjgani, Bilaspur

WINNERS OF POSTER COMPETITION	
FIRST	Ms. Kanchan Sharma, Class-XII, Government Senior Secondary School, Berthin, Bilaspur
SECOND	Ms. Divyam Bhardwaj, Class-IX, Shiva International School, Ghumarvin, Bilaspur
SECOND	Ms. Harpreet Kaur, Class-IX, Govt. High School, Nawagram, Solan
THIRD	Mr. Mahesh Kumar, Class-XII, Government Model Senior Secondary School, Lalpaani, Shimla
THIRD	Ms. Tamanna, Class-XII, Government Senior Secondary School, Barmana, Bilaspur



Chandigarh, Rajasthan, Jharkhand, J&K, Uttarakhand, Madhya Pradesh, Telangana, Karnataka, Tamilnadu, Maharashtra, and West-Bengal. Hon'ble Vice Chancellor Professor Rajendra Kumar Sharma inaugurated the event. Several college and University faculty members



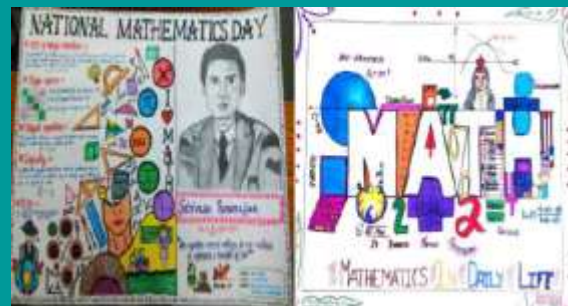
and students along with industry persons also joined this event. Invited talks were given by eminent women scientists Prof. Krishna Mishra and Dr. Diksha Painuly. Prof. Mishra is from IIIT, Allahabad, Prayagraj, U.P. Dr. Diksha is from HLL, Thiruvananthapuram, Kerala. Both the speakers



gave application based expansion of science and technology in real world situations.

NATIONAL MATHEMATICS DAY (NMD) – 2021

December, 2021



Department of Mathematics, JUIT, Wagnaghat celebrated National Mathematics Day – 2021 on the birth anniversary of Sir Srinivasa Ramanujan, one of the great Mathematicians of the 20th century. This event was organized in association with HIMCOSTE, Government of Himachal Pradesh. Various events like quiz, poster competition etc were conducted during this occasion. More than 260 students registered and participated in this event. 85 students participated in quiz competition while 70 posters were submitted for the poster competitions.

WINNERS FOR THE QUIZ:

FIRST POSITION: **Mr. Ishant Pahadia**, Class-XII, Shishu Vidya Niketan Public School, Nahan, Sirmour, Himachal Pradesh

SECOND POSITION: **Mr. Rohit pal**, Class-XI, Government Model Senior Secondary School, Shoghi, Shimla, Himachal Pradesh

Ms. Deepshikha, Class-XI, Government Model Senior Secondary School, Shoghi, Shimla, Himachal Pradesh

THIRD POSITION: **Ms. Kadambini**, Class-XII, Government Model Senior Secondary School, Junga, Shimla, Himachal Pradesh

WINNERS OF THE POSTER COMPETITION:

FIRST POSITION: **Ms. Aditi Mehta**, Class-XI, Govt. Girls Senior Secondary School, Rampur, Himachal Pradesh

Ms. Vijay Shree, Class -XII, Govt. Model Senior Secondary School, Shoghi Shimla, Himachal Pradesh

SECOND POSITION: **Mr. Anmol**, Class-IX, Springdale School, Rampur, Himachal Pradesh

Ms. Aanchal, Class -X, Govt. Model Senior Secondary School, Shoghi Shimla, Himachal Pradesh

THIRD POSITION: **Ms. Tanisha Dutta**, Class-XI, Springdale School, Rampur, Himachal Pradesh

HIMCOSTE, Government of H.P. supported this event and is catalyzed and supported by DST, Government of India. Hundreds of school students and teachers from various part of Himachal Pradesh and India were connected online to participate in this event and were very happy and enthusiast about it. This event is coordinated by Dr. Tiratha Raj Singh.



Outreach event

VISIT TO GOVERNMENT PG COLLEGE, PANCHKULA

November 15, 2021

Prof. Sudhir Kumar visited Govt.PG College Sector-1 Panchkula, Haryana and had an interaction with Biotechnology faculty (Dr.Rashmi) of the college on 15 November, 2021. Prof. Sudhir elaborated GAT-B program of DBT, Govt. of India and its 10 sponsored seats at Department of Biotechnology and Bioinformatics, Jaypee University of Information & Technology Waknaghat for M.Sc. Biotechnology Program. He detailed about procedure of selection, test, fellowship and fee etc for GAT-B qualified students. He also

explained about DBT Skill Vigyan Programme for Quality Control Biologist and Lab. Technician trades in the Department. He provided an overview of the procedure of selection and fellowship for B.Sc. passed and 12th Science students. The concerned faculty of the college proposed an offline interaction of Prof. Sudhir Kumar with B.Sc. Biotechnology students for career counselling for the above two programs. He has a follow up telephonic conversion on 17th November for near future interaction with students.

Outreach event

VISIT TO GURU GOBIND SINGH PUBLIC SCHOOL, BOKARO, JHARKHAND

January 21, 2021

Prof. Sudhir Kumar – Head Biotechnology and Bioinformatics Department conducted an outreach Program on “Opportunities in Biotechnology and Bioinformatics” for students of Guru Gobind Singh School, Bokaro, Jharkhand. The various degree programs, milestones and job avenues in these two fields were explained to students. The students were

told about Skill Vigyan Program, its importance and scholarship program of DBT, Govt.of India. Students asked about the fee and time of opening of our admission process for these and other degree programs. A total 65 students joined this session. Prof. Sudhir Kumar expressed his gratitude to Principal and Coordinator of the school.

FIT INDIA CAMPAIGN CLUB, JUIT
FIT INDIA WALKATHON
November 14, 2021

The Fit India 10000 steps Walkathon was organized by Sports Club & Fit India Campaign Club of JUIT on 14th November 2021 (Sunday) at 7.00 AM. More than 20 participants assembled at University gate. The walkathon route was from outside the campus (main gate to Domehar and back).



SEMESTER TOURNAMENT 1

30th November to 2nd December 2021

From 30th November to 2nd December, 2021, the Sports Club of Jaypee University of Information and Technology hosted a semester tournament for students to demonstrate their talent. The college experienced its first tournament after a long period of time, as the campus was closed due to lockdown. The enthusiasm in students was clearly visible as they actively participated in the various sports. Students were allowed to participate in a variety of activities during the three-day competition, including football, basketball, volleyball, cricket, table tennis, chess, and badminton. Regardless of the outcome, all of the teams gave their best and demonstrated true sportsmanship. The finals of all sports drew large crowds who came to support their favorite teams. Certificates for participation were presented to all teams and individuals that participated in the tournament, and prizes were handed to the winners in the closing ceremony of the fun filled 3 days.



TIEDC

INTERACTION WITH MENTORS

November 27, 2021

An interaction with the mentors was conducted on 27th Nov 2021 at 3:00 PM in TIED Cell, JUIT, Solan. In the interaction, Prof. Ashish Kumar, Chairman, TIEDC welcomed all the mentors and gave a brief introduction about the progress of TIED Cell from 2016 till date. He also informed all the mentors about the successful startups who got incubated in TIED Cell. Mentors were also informed about the events organized by TIED Cell throughout the year. After the brief about the TIED Cell, Mentors and Faculty Members discussed the process of incubation and mentorship given to the incubatees.



TIEDC

INTERACTION WITH ADDITIONAL CONTROLLER OF STORES, MR. SHUBHKARAN, IAS, DIRECTORATE OF INDUSTRIES HP AT TIEDC

December 21, 2021

An interaction of the Additional Controller of Stores, Mr. Shubhkaran, IAS, Directorate of Industries HP and Mrs. Deepika Rana, Deputy Director, Directorate of Industries HP with incubatees and students of the Incubation Center, TIED cell, JUIT was held on 16th December 2021. Before the interaction Prof. Ashish Kumar, Chairman, TIEDC welcomed Mr. Shubhkaran Ji, Mrs. Deepika Rana Ji and Prof. R.K. Sharma, Vice-Chancellor, JUIT. Prof. Ashish Kumar gave a brief about the progress of TIED Cell from 2016 till date and informed that till date more than 150 startup ideas were received by the cell and out of which more than 20 ideas are incubated in the cell. He also presented the review process followed by the cell to select the ideas and mentoring process. Mr. Shubhkaran Ji and Mrs. Deepika Rana Ji then interacted with the Incubatees and students working on startup ideas and discussed their progress. Dr. Nishant Jain, Dr. Ekta Gandotra and Dr. Deepak Gupta were also present during the interaction.



DIWALI

4 November 2021

The JUIT celebrated Diwali on the campus following COVID protocol norms. The festival was celebrated with great enthusiasm. The presence of Hon'ble Vice Chancellor Prof. Rajendra Kumar Sharma, Registrar Maj. Gen Rakesh Bassi (Retd.) and Dean (A & R) Prof. Ashok Kumar Gupta had given boost to the celebration. The gathering of staff, faculty members and students were served with snacks, sweets and tea.



SMARAN

(A week to commemorate the freedom movement of India)

22nd - 26th January 2022

JYC organized an event called Smaran- a week to commemorate the Freedom Movement of India on the occasion of the 73rd Republic day, from 22 – 26 January 2022. This event was co-hosted by the Theater and Music Club, Creative Arts Committee, and Registration and Hospitality Committee of JYC. In this event a quiz, a poem competition and an art competition were organized. The first event that was organized by the Registration and Hospitality Committee was a quiz competition to celebrate the Freedom Movement of India. It was a thirty minute session. The host of the event gave a brief introduction about the sacrifice and valor of Subhash Chandra Bose. Then the participants were provided with a google form. The event was held virtually. There was consistent interaction with the participants. The winners and participants were awarded certificates. Another event was an art competition organized by the Creative Arts Committee. The event was held to honor the country's 73rd Republic Day. The participants had to use art to express themselves. They submitted their art in the form of sketches, paintings, doodling, stamp art, impression art, abstract and figurative art. The submissions were collected via google form. The winners were awarded certificates. A poem competition was organized virtually by the Theatre and Music Club. In this the participants had to submit their self-composed poetry on the theme 'Sarhad Par Sena Baithi Hain'. The submissions were collected through google forms. The poetry submissions were acquired as videos to capture the essence of the poem. The winners were awarded certificates. There were more than seventy participants in the events. The event was highly interactive and informative. This event was a culmination of imagination, talent and creativity.

DIKSHA – 2021

4th December 2021

JYC Cultural Club organized 'Diksha 2021 - The Fresher's Night' in the Auditorium on 4th December, 2021. The event began by welcoming the guests which was followed by the traditional lamp lighting ceremony. The past JYC president addressed the audience and handed over the responsibilities to the current president. The night saw a mixture of various traditional and western dances, mimes, plays and singing performances. Apocalypse and F-society rocked the floor with their freestyle, western performances. It was a tie between both teams and they won the award for best dance in western category. Also staged were a series of colorful acts, such as the Monologue by Annu from Young Thespians which shed light on the reality of mental health these days and Ishan presented a heartfelt poetry called 'Darasal' portraying a new take on love. The

Stage Players presented an astounding act about the story of 'Sooryaputra- Karn'. A bollywood medley was performed by Tanya and Nayan who seized the stage with their melody. To evoke the nostalgia and take us back to the 90's, Meghna and Roodransh from Messengers gave a mesmerizing musical performance. Tanish Mahjan was declared as Mr. Fresher 2021 and Sejal Thakur was announced as Ms. Fresher 2021. In the traditional dance category, the night was graced with a performance of Himachali folk dance 'Natti' by Pakke Pahadiye. The last performance of the night was 'Bhangra' by the United Bhangra Crew, which sent an extreme energy wave throughout the auditorium. The participants and audience showed great enthusiasm and with that the event brought all sorts of new possibilities for the upcoming tenure.



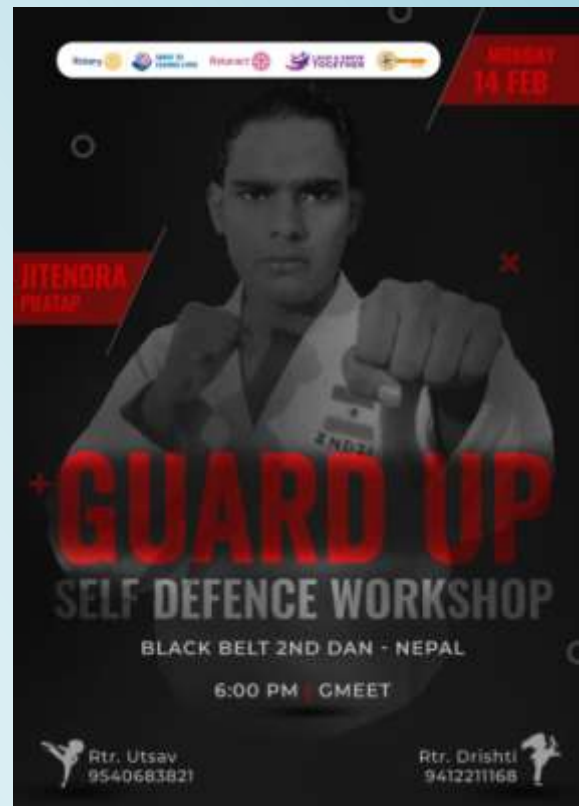
Virtual self-defence workshop

GUARD UP

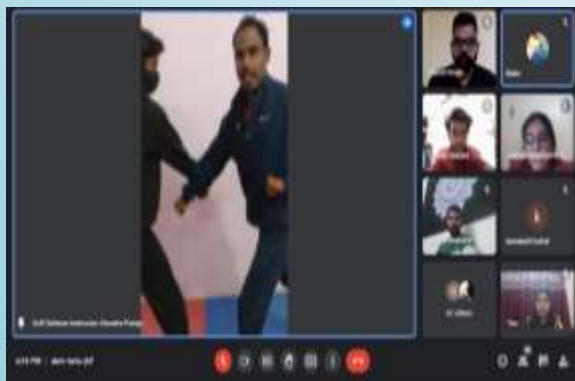
February 14, 2022

Rotaract club of Waknaghat in association with Internal Compliant Committee of Jaypee University of Information Technology organized a virtual self-defence workshop, "Guard Up", for the students of various schools and colleges, on 14th February 2022. Mr. Jitendra Pratap, Black belt 2nd DAN, a martial arts player, and instructor taught the participants some life-saving techniques to take down anyone in times of need. The event provided a platform for the students to know their own hidden power to fight against any kind of attack. More than 150 students registered for this training session.

Mr. Jitendra demonstrated various techniques to self defend against different kinds of attacks. He advised the students to be swift in analyzing the situation when subjected to physical abuse, violence, crime, etc. He insisted on aiming for the body parts where you can do the most damage quickly, like the eyes, nose, ears, neck, groin, knee, and legs. The expert also mentioned that physical strength supplemented with mental strength also played significant role to fight against any odd situation. So he gave special impetus for female participants to practice these tactics during their regular routines for building stronger personalities. All were overwhelmed by the skill shown by the



trainer. This workshop aimed to develop a vibrant community of youngsters capable of defending themselves in the uncalled times. Altogether, it turned out to be an incredibly insightful and stimulating event.



PHD AWARDED



Abhilasha Rangra (166205) – Department of **Computer Science & Engineering and Information Technology** has completed her PhD on the topic “**Social Internet of Things: their trustworthiness, node rank and embeddings management**”, under the supervision of **Dr. Vivek Kumar Sehgal** on November 11, 2021.



Pooja (166901) – Department of **Physics and Materials Science** has completed her PhD on the topic “**Studies on influence of nanoparticle capping agent on the response of palladium based resistive hydrogen sensors**”, under the supervision of **Dr. P B Barman** and **Surajit Kumar Hazra** on January 24, 2022.



Sameer (176854) – Department of **Mathematics** has completed his PhD on the topic “**Investigation of certain curves and metallic structures on manifolds**”, under the supervision of **Dr. Pradeep Kumar Pandey** on February 04, 2022.

INTELLECTUAL CAPITAL

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International conference begins at Jaypee University

Executive Correspondent

JAMMU, Nov 22: A two-day international conference began today at Jaypee University of Information Technology, Wazirpur, Jammu, Himachal Pradesh.

The first international conference on Structures, Materials and Construction (ICSMC 2021) is being organised in online mode by the Department of Civil Engineering, JUIT in collaboration with Institution of Engineers (IEE) Shimla Chapter, Indian Geotechnical Society (IGS) Shimla Chapter, Anna Institute of Technology (AIT) Bengaluru, The Institution of Civil Engineers (ICE) India, and Indian Green Building Council (IGBC) Chandigarh Chapter.

The conference is receiving extensive participation from scholars

as well as from prominent institutions across the world. Thousands of research papers have been received by Dr. Tanmay Choudhary, Conference Chair, ICSMC. The conference centres on the latest technological advancements in the field of Structural Engineering, Materials, and Construction.

Dr. Keng Kim Han, National University of Singapore will be the chief guest for the event and he will be taking up time to share his experience and knowledge with all the participants. Besides, nine other eminent speakers will be giving insights on various topics related to the conference fields. More than 90 papers will be presented during the event.

जे.पी. यूनिवर्सिटी ऑफ इंफॉर्मेशन टेक्नोलॉजी में सम्मेलन का आयोजन

सोलन, 24 नवंबर (सवेरा): जे.पी. यूनिवर्सिटी ऑफ इंफॉर्मेशन टेक्नोलॉजी में 'International Conference on Structures, Materials and Construction (ICSMC 2021)' का आयोजन किया गया। इस सम्मेलन में विभिन्न देशों के शोधकर्ता और इंजीनियरों ने अपने शोध प्रस्तुत किए।



सोलन, 24 नवंबर (सवेरा): जे.पी. यूनिवर्सिटी ऑफ इंफॉर्मेशन टेक्नोलॉजी में 'International Conference on Structures, Materials and Construction (ICSMC 2021)' का आयोजन किया गया। इस सम्मेलन में विभिन्न देशों के शोधकर्ता और इंजीनियरों ने अपने शोध प्रस्तुत किए।

जे.पी. सूचना प्रौद्योगिकी विश्वविद्यालय (जे.यू.आई.टी.) में कौशल विज्ञान कार्यक्रम के दूसरे बैच का उद्घाटन

सोलन, 23 नवंबर (सवेरा): जे.पी. सूचना प्रौद्योगिकी विश्वविद्यालय (जे.यू.आई.टी.) वाकनाघाट, सोलन में डी.बी.टी.-हिमकोस्टे प्रायोजित कौशल विज्ञान कार्यक्रम के दूसरे बैच का उद्घाटन हिमकोस्टे समन्वयक दीपशिखा गौर, प्रो. सुधीर कुमार (प्रमुख, जैव प्रौद्योगिकी और जैव सूचना विज्ञान विभाग), संकाय, स्टाफ सदस्यों और चयनित नामांकित छात्रों की उपस्थिति में हुआ। यह कार्यक्रम गुणवत्ता नियंत्रण जीव विज्ञानी और लैब तकनीशियन के क्षेत्र में कौशल आधारित ज्ञान और प्रशिक्षण प्रदान करेगा।

इस कार्यक्रम का उद्देश्य विज्ञान स्नातकों और 12वीं उत्तीर्ण छात्रों को प्रयोगशाला कौशल में वृद्धि करना है, जिससे वे राष्ट्रीय कौशल विकास निगम द्वारा प्रमाणन के बाद संबंधित उद्योगों/संगठनों में रोजगार प्रदान कर सकें। छात्रों को जे.यू.आई.टी., वाकनाघाट और प्रयोगशालाओं के कार्यक्रम और ढांचागत सुविधाओं के बारे में जानकारी दी गई। कार्यक्रम के समन्वयक डा. सुधीर कुमार ने कुलपति प्रो. आर.के. शर्मा, संयुक्त सदस्य सचिव सतपाल धीमान और हिमकोस्टे का ढांचागत और वित्तीय सहायता के लिए आभार व्यक्त किया।



Technology, Jaypee University of Information Technology, organised the 6th International Conference on Information Processing. Vice-Chancellor Rajendra Singh inaugurated the event, while the chief guest Dr. B. Phatak, IIT-Bombay, recipient of the Padma Shri award, presented a paper. Prof. Johan from K. J. Somaiya Institute of Engineering and Information Technology, Mumbai, also participated in the event.



जे.पी. विश्वविद्यालय ने छवि सूचना प्रसंस्करण पर करवाया छठा अंतर्राष्ट्रीय सम्मेलन

नई दिल्ली, 30 नवंबर (सवेरा): जे.पी. यूनिवर्सिटी ऑफ इंफॉर्मेशन टेक्नोलॉजी, सोलन ने 26 से 28 नवंबर तक 'International Conference on Image and Video Processing' का आयोजन किया। इस सम्मेलन में विभिन्न देशों के शोधकर्ता और इंजीनियरों ने अपने शोध प्रस्तुत किए।

Jaypee University of Information Technology, HIMCOSTE organize various events

JAMMU, Nov 22: Jaypee University of Information Technology, Wazirpur, Jammu, Himachal Pradesh, is organising various events like seminars, workshops, and conferences. The university is also organising a series of events to promote research and innovation in the field of Information Technology.



English Edition
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HILLY RAMBLINGS

Coordinators:

Dr. Suresh K Chauhan, Learning Resource Centre
Dr. Hemant Sood, Department of BT/BI
Dr. Vivek Kr. Sehgal, Department of CSE/IT
Dr. Neel Kanth, Department of Mathematics
Ms. Pragya Gupta, Department of ECE
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