

HILLY RAMBLINGS

VOLUME 9 | ISSUE 2 & 3 | (NOV 2019 – JUN 2020)



IN THIS ISSUE

Hon'ble Chancellor's Visit	INCIPERE - 2020	WORKSHOPS	STUDENT ACTIVITIES
ICIIP 2019	REPUBLIC DAY	EXPERT LECTURES	INTELLECTUAL CAPITAL
DHUN	FESTIVAL CELEBRATIONS	OUTREACH ACTIVITIES	Sports
MURIOUS	YOUTH PARLIAMENT	PH.D SPOTLIGHT	& many more...



Jaypee University of Information Technology

Waknaghat, P.O. Waknaghat

Teh. Kandaghat, Distt. Solan

Himachal Pradesh – 173234 (INDIA)

Ph: +91 – 1792-257999

Suggestions and comments may kindly be sent to
suresh.kumar@juit.ac.in

His Excellency, Shri Bandaru Dattatreya at JUIT

November 21, 2019



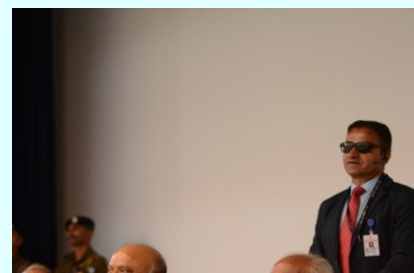
His Excellency, Shri Bandaru Dattatreya, the Governor of Himachal Pradesh and the Chancellor of JUIT visited the University on November 21, 2019. Vice Chancellor Professor Vinod Kumar welcomed the Governor and informed him about the various activities of University. The Chancellor inspected labs and premises



of the university. He also addressed the students, faculty and staff members of the university. He appreciated the labs and research being done in the university. In his address to students he highlighted that healthy and educated students can play a key role in national development. He urged the students to

be away from drugs and asked them to pledge against drug abuse. He advised the students to exercise and meditate regularly to achieve their goals. He also stated that the students should take inspiration from great personalities and make efforts to achieve their goals. Prof. Samir Dev Gupta

(Director Academics), Registrar of University Major General (Retd.) Rakesh Bassi, Additional District Magistrate Vivek Chandel, Additional Superintendent of Police Dr. Shiv Kumar Sharma, faculty and students of the University and other dignitaries were present on the occasion.



5th International Conference

ICIIP – 2019

November 15 -17, 2019

The Jaypee University of Information Technology successfully completed the 5th International Conference on Image Information Processing on 17th November, 2019. This three day conference was organised by the Department of Computer Science and Engineering and Information Technology commenced with kindling the lamp of light and wisdom by a group of dignitaries- Prof. (Dr.) Vinod Kumar (Vice-Chancellor), Prof. (Dr.) Samir Dev Gupta (Director and Academic head), Prof.(Dr.) S.P. Ghrera (Principal) General Chair



of conference), Prof.(Dr.) P.K. Gupta (General Chair of the conference), Prof.(Dr.) Barbara Zitová (Guest of honour) from **Academy of Sciences of the Czech Republic, Prague**, and Prof.(Dr.) Aparajita Ojha (Guest of honour) from PDPM IIIT Jabalpur, India. The conference aims 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 deliberations started with a very informative keynote session which was delivered by Prof. (Dr.) Aparajita Ojha, who is a respected professor of Computer Science and Engineering, at PDPM Indian Institute of Information Technology, Design and



manufacturing, Jabalpur. She acquainted us with the concept of deep learning, how it uses multiple levels of feature learning to learn rich hierarchical representations automatically and that Deep learning involves trained algorithms that work for a broad range of problems. In another session, Dr.Barbara Zitová, Academy of Sciences of the Czech Republic, Prague also delivered her keynote speech. She has been with the Institute of Information Theory and Automation, Academy of Sciences, Czech Republic, Prague since 1995 and has more than fifty publications in reputed journals and tier-1 conferences. She started her talk on 'what can AI see in artworks?' by talking about Image Processing which is the use of computer algorithms to perform operations on images to enhance them. She compared the image of the original painting and the one processed using computer algorithms to emphasize on the fact





how the original painting has lost quite a few of the details seen in the now fresh looking processed image over time. In the evening, a cultural night was also organized which was attended by all the authors, paper presenters and volunteers of ICIP. r. Badri Narayan Subudhi, Assistant Professor at Indian Institute of Technology Jammu, India presented his keynote address on ‘complex underwater visual surveillance’. Another keynote speech on radiations in medical imaging and research’ was delivered by Prof. D K Dhawan, Professor, Department of Biophysics, Panjab University, Chandigarh. Out of 550 papers which came from different parts of the world like Nigeria, Bangladesh, Philippines, USA, UAE , South Africa and some reputed IITs,NITs,IISc of India,137 were selected with acceptance rate of 25%. The



guest of honour Prof (Dr) Barbara Zitová and Prof (Dr) Aparajita Ojha acquainted the students with her experience and knowledge on the first day. JUIT is proud to achieve this milestone by the victorious completion of ICIP 2019.



Three days training programme on

Training for Masons on Hazard Resistant Construction

February 25 – 27, 2020

The Disaster management and research cell (DMRC), Civil Engineering department of Jaypee University in collaboration with Himachal Pradesh District Disaster Management Authority (HPDDMA), Solan conducted a three days training program for 28 masons (from Kandaghat block), 3 Junior engineers, 2 educators from ITI solan and officials from DC office solan. Jaypee university has been chosen as a nodal center for various trainings and awareness programs conducted by HPDDMA Solan. As a first step in this collaboration on



25th February 2020, three days training program for hazard resistant construction was inaugurated by Honorable Vice chancellor Prof. Vinod Kumar, which was attended by distinguished guests from DC office solan, Kandaghat SDO office, participants from various panchayats of Kandaghat, staff and students from Civil engineering department.



During the first day of training programme participants were briefed upon how and why earthquake occurs and the need of earthquake resistant design of structures by the Chairperson DMRC Dr. Tanmay Gupta. The session also imparted knowledge upon various materials and tools used during the modern hazard resistant construction and important safety/maintenance tips. In the latter half of the day participants were given exposure to lab and site procedures for quality control of the materials. Strength testing of bricks, concrete



specimen, check for quality of cement, fine aggregate and coarse aggregates were the main highlights of the session.

Second day the focus was upon hands on training for the participants for earthquake resistant masonry structures and reinforced concrete framed structure. Participants came to



know regarding various masonry building schemes such as English bond, Flemish bond, Rat-trap bond via practical demonstration and themselves building these schemes. Furthermore, based on latest Indian codal provisions, the importance of earthquake resistant band and their proper ductile detailing of reinforcement were discussed, demonstrated and practiced.

Dr Saurav, Chairperson DMRC addressed the participants on the final day briefing them upon ductile detaining of beams, columns and foundations in a reinforced concrete framed structure. He also imparted knowledge upon unconfined and confined masonry structures.



Classroom sessions were followed by demonstration and hands-on practice upon reinforcement detailing. As most-commonly faced problem during earthquake or any hazard is due to lack of confinement of reinforcement, safe and economical construction practices for low cost housing and even for multi-story buildings, emphasizing on proper confinement were discussed, demonstrated and practiced. Three days training came to end on 27th February 2020, via certificate distribution. Chief guest for the closing ceremony SDM Kandaghat interacted with the participants and thanked DMRC, Jaypee university to organize and sponsor the programme.



Three days workshop on

Perception towards IPR

February 10 -12, 2020

IPR Cell JUIT organized a three day workshop on “Perception towards IPR” in collaboration with Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) from February 10-12 2020.

Details of the events of workshop are:

- 10 Feb 2020 - Survey and Data Analysis of IPR from the faculty/staff members and students
- 11 Feb 2020 - Survey on GI'S , copyright in & around JUIT and Himachal Pradesh
- 12 Feb 2020 - Guest Lecture by Dr. Sunderesha S and Dr. Rajender Singh from CPRI Shimla



On the first day; IPR Survey was done with in JUIT faculty and staff members. A survey form was designed by Mr. Shailu Srivastava (Student Coordinator IPR team) seeking information related to IPR and patents.

On the second day (February 11, 2020) survey continued. Proposed GIs entries were also



submitted by the students of B.Tech and M.Sc. their potential was judged by a team composing Mr. Shashi Dhar (HIMCOSTE), Prof. Sudhir Kumar (Coordinator IPR), Dr.Shruti Jain (Co-Coordinator IPR), and Mr. Shailu Srivastava (Student Coordinator IPR).

On third day Resource persons from CPRI Shimla; Dr. Sunderesha S and Dr. Rajender Singh, Scientist Division of Plant Protection had given lectures related to IPR and patents. They highlighted the



process of IPR followed in CPRI and about their patents and their commercialization. Prof. Vinod Kumar (Hon'ble Vice Chancellor JUIT) facilitated the resources persons and addressed the gathering.

For the GI competition, 18 entries were received and from these top three GIs chosen on the basis on tradability and novelty. The details of the winners are:

Prize	Roll No.	Name	Proposed GI
1 st	171350	Aditya S Gangwar	Angoori
2 nd	171008	Sanket Saxena	Kotgarh Apple
3 rd	171359	Kirti Varma	Charmaa (Berry)

Winner received certificate and a cash prize of Rs.3000, Rs.2000 and Rs.1000 as 1st, 2nd, and 3rd, respectively from resource person Dr. Sundaresha and IPR cell Co-coordinator Dr. Shruti Jain.

Visit of Additional Chief Secretary- Home & Industries Himachal Pradesh

January 30, 2020

Additional Chief Secretary – Home & Industries Shri Manoj Kumar Ji (IAS:1988 Batch) visited JUIT on 30th Jan 2020 at 11:00 AM along with Deputy Director - Industries - Smt Deepika Khatri Ji, Manager-DIC Solan, Ms Neha Chauhan and Senior Startup Consultant E&Y - Aakarshan Sethi. The basic purpose of his visit was to interact with incubates and students of the TIEDC, JUIT Waknaghat.

Vice Chancellor of JUIT, Prof Vinod Kumar



welcomes ACS with the bouquet and other Himachal government officials. He then introduced the campus to the visiting team with the help of short video prepared by the University students. Dr. Ashish Kumar, Chairman, TIEDC (Incubation Cell) then briefed about the activities and the facilities that cell provides to Incubatees and the students. He



presented the list of incubates that successfully completed the incubation period and has



commercialised their start-ups. He also presented the list of incubates currently enrolled with TIEDC under CM startup scheme. ACS Shri Manoj Kumar Ji then visited TIEDC and interacted with the Incubatees and students. He encouraged students and Incubatees to work day and night for their startup plan. He also visited Laboratories of different departments.



Synapse Club event

Incipere 2020

February 6, 2020

'Incipere 2020' organized by the Synapse Club of the Department of Biotechnology and Bioinformatics on February 6th, 2020 organised by faculty coordinator Dr Hemant Sood and Dr Tiratha Raj Singh with students team SYNAPSE. The event commenced with a welcome note and Lamp Lighting by honorable Vice Chancellor Sir, followed by an addressal by Dr. Tiratha Raj Singh, Faculty Coordinator of 'Synapse'. The students were informed about the History of Synapse through which they were introduced to the working of the Club and the events conducted by it in previous years. The Head of



the Department BT and BI, Dr. Sudhir Syal then formally welcomed the newbies and spoke at length about how 'Synapse' has always been integral to our Department. The event was lightened up by various cultural activities organised by synapse team like classical dance performance, melodious poem was being recited and a scientific quiz was also conducted. A soulful group song performed by the M.Sc



students that enthralled the audience. Many students were felicitated for their outstanding achievements in various activities organised by



the university. Vote of Thanks was given by Srajit, the former president of Synapse Club who explained in essence what it means to be a member of the Club. The closing note was given by Faculty Coordinator, Dr. Hemant Sood and introduced the new team of synapse and motivated them for planning and strategizing new events and activities under the umbrella of SYNAPSE.



SYNAPSE Webinar Series

Distinguished Alumni Speakers

June – July, 2020

A SYNAPSE webinar series was organised with distinguished Alumni speakers during the lockdown period from June 2020 to 26th July 2020 to motivate students and providing them insight about the future scopes in Biotechnology/ Bioinformatics related areas in India and overseas.

Details about speakers:



Sehaj Singh Gulati
M.Tech
Pharmaceutical
Biotechnology
from Institute of Chemical
Technology, Mumbai
Date: June 14, 2020

Mansi Arora
M.S. in Experimental Medicine
(with specialization in
Bioinformatics)
From McGill University,
Montreal, Canada
Date: June 28, 2020



Sushain Kaul
Masters in Biomedical
Engineering
at
University of Florida, USA
Date: July 5, 2020

Sahil Sethi
2nd Year of PhD program in
Biomedical Informatics
at
University of Nabraska
Date: July 12, 2020



Gaurav Bhatt
Ph.D Program in
Department of Biosciences
and Bioengineering
at
IIT Guwahati
Date: July 19, 2020

Dr. Gurnoor Singh
Research data-steward
at
Center for Molecular and
Biomolecular Informatics,
Netherlands
Date: July 26, 2020



Awareness camp on

Gender Issues in Contemporary Times

November 14, 2019

Jaypee University of Information Technology, Waknaghat: On 14 November 2019, Jaypee University of Information Technology organized a legal awareness camp on the theme of "Gender issues in the contemporary times". This camp included two major events- talk given by the renowned Advocate - Ms. Sheetal Vyas and a panel discussion on the theme.

The talk by Ms. Vyas was educative and informative. She covered the points regarding the gender disparities faced in the society, the legal assistance that is offered to every women and finally the effective ways to use them so that the perpetrators face the law while there

are no negative repercussions on the victim. The panel discussion, which was held later, also tackled many crucial issues of today's society. The discussion covered aspects varying from shift in the gender roles to the complexities of the new age, from workplace issues to parenting and education and everything else that comes in between.

To sum up, we can say that the legal camp was a success as the attendees of these events got to know about the legal aid offered to them so as to safeguard themselves and their private space.



TIED Cell

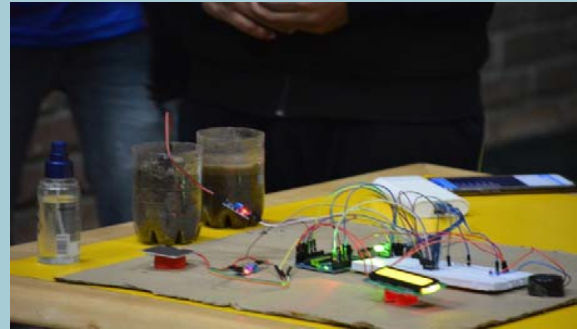
Adventum 1.0 – Internal round of Smart India Hackathon

January 18 – 19, 2020

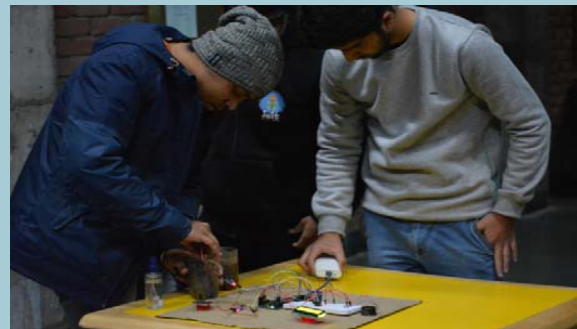
The TIEDC and ACM – JUIT Student Chapter organized a The Smart India Hackathon 'ADVENTUM 1.0' on 18-19th January, 2020 in Jaypee University of Information Technology. 107 participants through 15 teams took part in this event, with 9 teams competing in the software category and 6 teams competing in the hardware category. The teams mainly comprised of first year students with a second year student mentoring each team. The hackathon was based on the guidelines and rules laid out by the SMART INDIA HACKATHON.



Thus, the projects developed in this hackathon will be Jaypee University of Information Technology's submissions to the aforementioned competition organized by the Government of India. The general problem statement for this competition was "Smart City". The hackathon commenced at 2pm on 18th January. It was a continuous overnight challenge where the participant had to come up with an MVP in 28 hours. After 24 hours, the



pitching session began in front of the Judging panel which includes TIEDC Chairman Prof. Ashish Kumar, Dr. Amit Kumar (CSE/IT), an



expert from ECE Department Dr. Vikas Baghel and an expert from Industry, Mr. Ajay Ohri, who is the Author of 4 books on Data Science and has 16 years Experienced Data Scientist.

The teams presented their projects one by one to the judging panel that include. The closing ceremony commenced at around 6 pm on 19th January. The winners of this grand hackathon were announced and given prizes.



TIED Cell activities

Linkedin-MTV GET A JOB Internship Fair

January 22, 2020

LinkedIn-MTV Get A Job is a platform to help students land an internship with some of the big companies in India. The Technical Incubation and Entrepreneurship Development Cell (TIEDC) of JUIT organized this event in the JUIT in collaboration with MTV India and LinkedIn on 22 Jan 2020. The event was hosted by Krissann Barretto, an Indian actress and model. She conducted some interviews and interactive sessions with the students in order to make the event more fun and less boring.



The interview questions were about the dream jobs of the students who are extremely career oriented. The students were entertained by some games as well to lighten the mood. The most forthcoming answers and the winners of the games were awarded with some goodies. Besides this, the students of JUIT were asked to enroll themselves in these job opportunities provided by them. The campaign was a huge success. The students freely discussed about their future plans and cleared their doubts. More than 200 registrations from the students were received. All in all, the students easily visualized themselves in proper job future and the path to achieve this goal.



TIED Cell activities

A session with Dr. Abhay Jere Chief Innovation Officer, MHRD Innovation Cell

February 14, 2020

Dr. Abhay Jere had discussed the updates on Smart India Hackathon 2020 and announced extension of submission date till 20th February 2020 for problem statement with less than 20 entries, 2 entries per college (1 software and 1 hardware). The main motive to extend the



dates is to increase participation so existing team are not allowed to submit their ideas again.

Dr. Jere He also suggested participating student teams to identify potential mentors for their ideas.



Celebrations

Diwali

November 27, 2019

The Diwali celebration in the campus was held in the Basketball Court area on 27th November 2019. The students, faculty and staff members assembled at the ground at 6.00pm. The celebration started with lighting the lamp at 6.05pm. The people assembled lit the candles and diyas. Students were used Anar and Sprinklers to celebrate the festival. They were also served sweets to make the event more enjoyable and spirited.



Lohri

January 15, 2020

The JUIT celebrated Lohri on 15th January 2020 at the open ground of the campus. Though Lohri was on 13th January 2020 but due to inclement weather it was postponed and celebrated on 15th January. Students, faculty and staff members along with their families involved in a Puja Parikrama around the bonfire and distributed Prasad (mungfali gajak and rewari). All of them greeted each other 'Happy Lohri' and welcome the new season.



Celebrations galore

Republic Day

January 26, 2020

The JUIT celebrated 71st Republic Day of India on January 26, 2020. The National Flag was hoisted by the Hon'ble Vice Chancellor, Prof. Vinod Kumar. The ceremony was taken place near Vivekananda Statue at 10 AM in the campus. The National Cadet Corps (NCC) wing of the University marched parade and salute the national flag. A nukkad natak giving social message was also played at the occasion.



JYC activities

JUIT Youth Parliament

November 23 – 24, 2019

JUIT youth parliament is an initiative providing an opportunity to young minds to express their opinions on issues of paramount national importance while learning the art of diplomacy and decision making by assuming the role of parliamentarians who are involved in the working of the Indian Parliament. It is a platform for potential future leaders to interact and exchange views. The sixth edition of JUIT youth parliament was organized on 23rd – 24th November, 2019. The agenda for the discussion was “Review of the abrogation of the article 370 and article 35A with emphasis on its impact and future development in J&K”.



Technical Fest of JUIT

MURIOUS - X4

February 7 – 9, 2020

The 14th edition of Murious was organised by the JYC in collaboration with IEEE and ACM students' chapters of during February 7 – 9, 2020. The fest was inaugurated by the Vice Chancellor, Prof Vinod Kumar. About 300 students from JUIT and other universities were participated in the event. The fest started with its cultural night, synchrotron. True to its scientific meaning, cyclic particles accelerator, it did prove to be a boost of energy among the students as the pomp and show of the event brought the entire college together and it succeeded to be one of the most enthralling nights ever. The show consisted of a lot of



assorted dance performances, an exceptional performance by our students. The cultural night ended with, a gala whirl time for all the students, it was indeed an unsurpassable night.

Later, for the night, Hackathon, a 12 hour nonstop working and creating your own little phenomenal prototype competition was



planned. Tech enthusiasts took part in this very ardently. The official Day 2 of Murious was full packed with various different types of contests, namely, Robo race, maze bot, jeopardy quiz,



Codez and IP hunt and

comedy

nights. A tech

talk session

was also

organized for

all the tech

maniacs. All in

all, it proved

out to be a

long yet a

bewildering

day for everyone. The extravagant 3day long

Technical event ended with the much awaited

prize distribution. Succinctly, the whole event

manifested to become one of the most amazing

and memorable happenings in the history of

college affairs.



Cultural event

Dhun

November 17, 2019

On Sunday, 17th November a fabulous event - 'DHUN' was organized by the Arts Club. It showcased the performances of the various acoustic artists of JUIT. 'Dhun' provided a platform to many artists who exhibited their talent of singing and playing guitar and piano

etc. As it was the first cultural event for the first year students so there was mass participation by them. The participants sang songs from various origins and the highlight of the event was that there were performances by the Bhutanis who sang their traditional songs.



Sports Club event

Inter Department Sports Competition - 2019

November 13 to December 2, 2019

JUIT sports club, organised 1st Inter department sports competition 2019. The competition was held from November 13, 2019 to December 2, 2019. The events was organised for the students and employees of the University.

The sports meet was inaugurated by Maj Gen Rakesh Bassi (Retd.), Registrar and Dean of Students on November 13, 2019. Basketball and Badminton, two games for included in the competition. Total 94 students and 14 faculty/staff members have participated in the event and showed the true picture of sportsmanship.

The format for the competition was league-cum-knockout matches. Faculty and staff members of JUIT got the opportunity to step

out of their busy academic schedule to showcase their sportsmanship and talent.

Results:

Badminton		
Students	Winner	CSE – 2 (Bharat & Team)
	Runner Up	CSE – 1 (Akshay & Team)
Faculty/Staff	Winner	CSE – Dr Amit & Mr. Surjeet
	Runner Up	BT/BI – Dr. Tiratha Raj & Dr. Harish

Basketball		
Students	Winner	Civil – Anirudh & Team
	Runner Up	CSE – Prajawal & Team



Outreach activities

Army Public School, Ambala Cantt, Ambala

November 20, 2019

On 20th November, 2019 Dr Sudhir Kumar (Professor & HOD Biotechnology and Bioinformatics) Dr Hemant Sood (Associate Professor, Department of Biotechnology and Bioinformatics) and Mr Deepak (PhD scholar Biotechnology) visited Army Public school, Ambala Cantt for interaction with science students. Professor Sudhir Kumar explained the activities of Centre of Excellence in Sustainable Technologies for Rural Development. He shared the technology and usefulness of portable biogas reactors, Pine – briquettes, Vermicomposting and working of Sewage Treatment Plant. Dr Hemant talked about



technologies developed for conservation and propagation of medicinal as well as exotic plant species. She talked about university's different establishments and accolades



along with different perspectives of academic and research. She also highlighted about different engineering streams for taking admissions in B.Tech. programmes along with fee concessions to wards of Ex and Serving armed personnel. The session was attended by approximately 200 students and 5 faculty members. We are highly thankful to registrar Maj Gen Rakesh Bassi (Retd) and Principal Army Public school, Ambala Cantt for this opportunity.



Outreach activities

Visit to Matal Panchyat in Rajgarh (HP)

December 17, 2019

Under the project of Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE), Mr. Pramod Kumar, Project Associate, visited Matal Panchyat in Rajgarh District on 17th December, 2019. He interacted with the villagers and made them aware about the project and its usefulness. He also demonstrated the working of the project, and explained how heat obtained from household chulhas has been utilized to generate energy for charging a mobile phone. He demonstrated the indigenous design model to the villagers. The villagers expressed keen interest in the project.



Celebration of National Science Day 2020 at Govt. Degree College, Solan (HP)

February 28, 2020

On 28th Feb 2020, Dr Hemant Sood (Associate professor, BT&BI) Department of Biotechnology and Bioinformatics, JUIT ,Waknaghat delivered lecture on Scopes of applied biology in Govt College Solan. As per the theme of National Science Day Celebration 2020; Women in Science, Dr Hemant motivated students of B.Sc (medical) final year and second year by citing contribution of women in science and technology. She provided them insight about future scopes in applied biology where usage of multidisciplinary sciences can be explored for

research and future avenues. She informed them about different MSc programmes in Biotechnology and Bioinformatics and national level test for getting admissions. The lecture was attended by 110 students and some of them showed keen interest in doing some projects and workshops at JUIT. Dr Banita and Dr Rajender Prakash Assistant professors in Botany, Govt. College Solan and Mr Ankush (MSc.Biotechnology,JUIT) organised the event and their efforts and unconditional support is deeply acknowledged.



Faculty in Spotlight

Project Awarded

DBT supported PG Teaching Program



Dr. Anil Kant
Associate Professor
BT/BI Department

The Department of Biotechnology and Bioinformatics of JUIT has bagged a major financial support from Ministry of Science and Technology, Govt. of India under Deptt. of Biotechnology, (DBT) P.G. Teaching Program. This program is initially valid for 5 years w.e.f 2020- 2021 upto 2024-2025. This is a prestigious grant and quality of Biotechnology education in India for last 25 years. Call for sumitting proposal for supporting PG program in Biotechnology was announced by Department of Biotechnology Ministry of Science and Technology Government of India in Dec-19 -Jan 2020. Dr Anil Kant Associate Professor Department of Biotechnology and Bioinformatics submitted and presented the proposal as Program Coordinator. Selection and Admission of DBT Supported students (10 no.) will be through centralized selection process coordinated by DBT and students admitted against DBT-supported seats will be paid a stipend of Rs. 5000/- per month.

Patents Granted



Dr. Hemant Sood
Associate Professor
BT/BI Department

Hemant Sood, Varun Kumar and RS Chauhan .Patent Application No. 551/DEL/2012 filed in India on "Isolation and purification of Picroside-I and Picroside-II". Granted by Govt. of India with Patent No. 327618 on 18th Dec, 2019.

Hemant Sood, S Gulati, S Bakshi, BS Sandhu,V Kumar and RS Chauhan. Patent application No.362/DEL/2013. "A process of preparation of nutrient medium useful in enriching medicinal constituents in shoot culture of Swertia chirayita". Granted by Govt. of India with Patent No.339128 on 23rd June 2020.

NESA Young Scientist Award 2019



Dr. Rishi Rana
Assistant Professor
CE Department

Dr. Rishi Rana is awarded as 'NESA Young Scientist Award', 2019 in International Conference on Materials for Environment, Sustainable Society and Global Empowerment-2019 held at Department of Nanotechnology Visvesvaraya Technology Centre for Postgraduate Studies, Karnatka on 20th December 2019 by the National Environmental Science Academy(NESA), New Delhi.

Shri R N Prasad Biennial Award 2019



Dr. Saurabh Rawat
Assistant Professor
CE Department

The Executive Committee of Indian Geotechnical Society conferred Dr. Saurabh Rawat with IGS – Shri R N Prasad Biennial Award for publishing best paper on 'Slope Stability and Land Slides' in Indian Geotechnical Journal. Dr. Rawat published a paper titled, "Testing and Modeling of Screw Nailed Soil Slopes" co-authored with Prof. Ashok Kumar Gupta in the journal.

Outstanding Reviewer for the Year 2019 – of ASCE Journal



Dr. Rajiv Ganguly
Associate Professor
CE Department

Dr. Rajiv Ganguly is awarded as Outstanding Reviewer for the Journal of Hazardous, Toxic and Radioactive Waste published by American Society of Civil Engineers (ASCE) for the year 2019.

Promotions

NAME	PREVIOUS DESIGNATION	PROMOTED TO	ON DATE
Dr. Poonam Sharma (BTBI)	Assistant Professor (SG)	Associate Professor	01.12.2019
Dr. M Udayabanu (BT/BI)	Assistant Professor (SG)	Associate Professor	01.12.2019
Dr. Ravindara Bhatt (CSE)	Assistant Professor (SG)	Associate Professor	01.12.2019
Dr. Pradeep K Singh (CSE)	Assistant Professor (SG)	Associate Professor	01.12.2019
Dr. Neena Jindal (HSS)	Assistant Professor (G-I)	Assistant Professor (G-II)	01.12.2019
Dr. Papiya Lahiri (HSS)	Assistant Professor (G-II)	Assistant Professor (SG)	01.12.2019
Dr. Amol Vasudeva (CSE)	Assistant Professor (G-II)	Assistant Professor (SG)	01.12.2019
Dr. Himanshu Jindal (CSE)	Assistant Professor (G-II)	Assistant Professor (SG)	01.12.2019

Invited/Guest Lectures Delivered

Dr. Shruti Jain, Associate Professor, ECE Department, delivered a Guest Lecture on “Recent Trends in Biomedical Signal Processing and VLSI Design”, Department of Electronics Engineering, ZHCET, Aligarh Muslim University, Aligarh, India under TEQIP-III, November 01, 2019.

Dr. Shruti Jain, Associate Professor, ECE Department, delivered a lecture on “Advances and Future Trends in Image Processing” in FDP Deep Learning for Image Processing: Overview, Challenges and Future” conducted by NITTTT, Chandigarh, AICTE sponsored at Jaypee University of Information Technology, Waknaghat during Feb 24-28, 2020.

Dr Hemant Sood, Associate Professor, BT/BI Department, delivered a lecture on Scopes of applied biology in biotechnology and bioinformatics at Govt College Solan on the eve of National Science Day 28th Feb, 2020, Solan (H.P.)

PhD Snapshot

Ritika Verma (136559) of BT and BI department has completed her Ph.D. on “Production, Characterization and Immobilization of Thermo-Alkali-Stable Xylanase from *Geobacillus Thermodenitrificans* X1 and its Application in Paper Pulp Bio-Bleaching” Under the supervision of Prof. (Dr.) Sudhir Kumar on November 29, 2019.

Smriti Mishra (136505) of BT and BI department has completed her Ph.D. on “Comprehensive Knowledge Generation for Radiology and Genetics of Interstitial Lung Diseases (ILDs)” Under the supervision of Dr. Jayashree Ramana on November 29, 2019.

Avilekh (146552) of BT and BI department has completed his Ph.D. on “Fruit Quality, phytochemical and Diversity Studies of Apricot (*Prunus armeniaca* L.) along an Altitudinal Gradient in Trans-Himalayan Ladakh, India” Under the supervision of Dr. Anil Kant on December 16, 2019.

Kavita Sharma (146551) of BT and BI department has completed her Ph.D. on “Characterization of Probiotic Cultures from Traditional Foods of Himachal Pradesh and their Efficacy against Colonization by *Cronobacter Sakazakii* in *Caenorhabditis Elegans* Model System” Under the supervision of Dr. Gunjan Goel on December 17, 2019.

Mayank Kumar Goyal (136207) of CSE department has completed his Ph.D. on “Reduction of Forwarding Nodes to Reduce Effect Broadcast Storm Problem using Network coding” Under the supervision of Prof. (Dr.) S P Ghrera on December 21, 2019.

Ashima (166202) of CSE department has completed her Ph.D. on “Bug Summarization, Severity Classification and Assignment for Automated Bug Resolution Process” Under the supervision of Dr. Yugal Kumar and Dr. Rajni Mohana on December 21, 2019.

Aakash Gupta (166605) of Civil Engineering department has completed his Ph.D. on “Prioritization of Rural Roads Maintenance in Hilly Terrain” Under the supervision of Prof. Ashok Kumar Gupta and Prof. Ashish Kumar on January 7, 2020.

Disha Thakur (166603) of Civil Engineering department has completed her Ph.D. on “Characterization and Settlement Analysis of Municipal Solid Waste” Under the supervision of Prof. Ashok Kumar Gupta and Dr. Rajiv Ganguly on January 25, 2020.

Arun Sharma (136752) of Pharmacy (Now in BT and BI) department has completed his Ph.D. on “Development of Targeted Drug Delivery System for Breast Cancer” Under the supervision of Dr. Udayabanu Malairaman on February 10, 2020.

Jonhy Dhiman (146953) of Department Physics & Materials Science has completed his Ph.D. on “Design of Shared Aperture Microstrip Patch Antennas and Array for L/ S-Band” under the supervision of Prof. Sunil Kumar Khah on March 6, 2020.

Chandan Kumar (166208) of CSE department has completed his Ph.D. on “Improved Techniques of Robust and Secure Watermarking for Digital Documents” Under the supervision of Dr. Pardeep Kumar on May 27, 2020.

Sriti Thakur (166213) of CSE department has completed her Ph.D. on “Security of Digital Documents for Remote Medical Consultancy” Under the supervision of Prof. (Dr.) S P Ghrera on May 27, 2020.

Ashutosh Sharma (166001) of ECE department has completed his Ph.D. on “Risk Aware Communication Network Architecture and Planning” Under the supervision of Dr. Rajiv Kumar on June 1, 2020.

Lalit Sharma (136751) of Pharmacy (Now BT and BI) department has completed his Ph.D. on “Preparation and Pharmacological Evaluation of a Polyherbal Preparation (POL-6) on alcohol deprivation effects following voluntary alcohol consumption in rats” Under the supervision of Dr. Gopal Singh Bisht on June 2, 2020.

Tsewang Rinchen (136567) of department of BT has completed his Ph.D. on “Agro Morphological Molecular and Nutritional Characterization of Indigenous Population of Atriplex Hortensis L from Trans Himalayan Ladakh Region of India” Under the supervision of Dr. Anil Kant on June 3, 2020.

Jyotsna Dogra (166004) of ECE department has completed her completed her Ph.D. on “An Automatic Glioma Detection and Extraction Framework for the Removal of Shrinkage in Segmentation” Under the supervision of Dr. Meenakshi Sood and Dr. Shruti Jain on June 9, 2020.

Hradesh Kumar (166203) of CSE department has completed his Ph.D. on “Data Aggregation and Performance Important in Wireless Sensor Networks” Under the supervision of Dr. Pradeep Kumar Singh on June 14, 2020.

Alok Kumar (156001) of ECE department has completed his completed his Ph.D. on “Optimal Threshold Selection of Energy Detection Based Cooperative Spectrum Sensing in Cognitive Radio Networks” Under the supervision of Dr. Shweta Pandit on June 29, 2020.

Students in Spotlight

Ritanjay (161601), B.Tech student of Civil Engineering department got AIR 209 in GATE 2020 - Civil Engineering scoring 78.07 out of 100.



JUIT Participation in

KASHIYATRA 2020 (BHU's social and culture fest)

Our students of Literary and Dramatics Club, JYC participated in KASHIYATRA 2020, annual cultural fest of IIT BHU, during Jan 17-20, 2020 and secured third position in "Rangmanch (Stage Play)" as well as third position in Standup Comedy.

Following students were participated in the stage play - Piyush Kumar Singh (171040), Nandan Agarwal (181235), Simran Gohan (181802), Srishti Roy (181813), Sanyam Saxena (191214), Shagun Sharma (181823), Chaitanya Moghe (181819), Mahima Singh Thakur (181828), Kanishk bhatt (181816), Soumya Jain (181815), Mrinal Sharma (191823), Garima Singh (181229), Devansh Kaushik (181322), Harsh Mishra (181006), Ishaan Kotwal (181386), Saksham Tandon (171071), Palak Rustagi (181212), Aryan Chugh (191409), Ujjwal Kumar (181603), Jeet Dhamija (191377).



Prakhar Pandey (181206) participated in Standup Comedy.

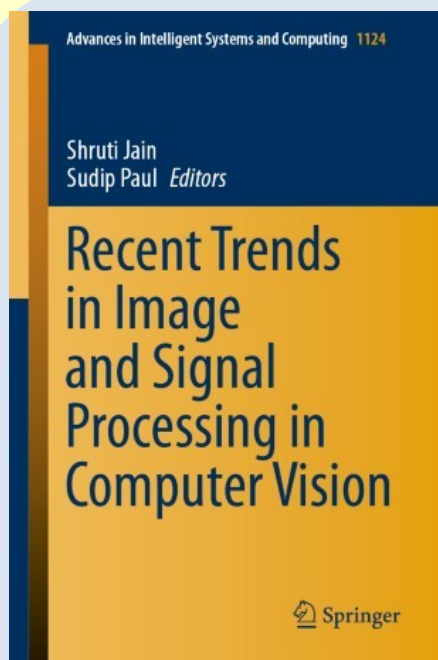
JUIT participation in

JiIT, Noida MUN
January 18 – 19, 2020

Mr. Soham Ahuja (171015) B.Tech student of ECE department participated in Jaypee Model United Nations, January 18-19, 2020 at JiIT Noida, and secured third position with "Honorable Mention".



Books Published



Title: Recent Trends in Image and Signal Processing in Computer Vision

Editors: Shrutu Jain, Associate Professor, JUIT
Sudip Paul

Publisher: Springer, Singapore

Year: 2020 (5th March 2020)

ISBN: 978-981-15-2739-5 (Print)
978-981-15-2740-1 (Online)

Pages: 284

Abstract: This book highlights recent advances and emerging technologies that utilize computational intelligence in signal processing, computing, imaging science, artificial intelligence, and their applications. It covers all branches of artificial intelligence and machine learning that are based on computation at some level, e.g. artificial neural networks, evolutionary algorithms, fuzzy systems, and automatic medical identification systems. Exploring recent trends in research and applications, the book offers a valuable resource for professors, researchers, and engineers alike.



Title: Advances in Computational Intelligence Techniques

Editors: Shrutu Jain, Associate Professor, JUIT
Meenakshi Sood
Sudip Paul

Publishers: Springer, Singapore

Year: 2020 (20 February 2020)

ISBN: 978-981-15-2620-6

Pages: 390

Abstract: This book highlights recent advances in computational intelligence for signal processing, computing, imaging, artificial intelligence, and their applications. It offers support for researchers involved in designing decision support systems to promote the societal acceptance of ambient intelligence, and presents the latest research on diverse topics in intelligence technologies with the goal of advancing knowledge and applications in this rapidly evolving field. As such, it offers a valuable resource for researchers, developers and educators whose work involves recent advances and emerging technologies in computational intelligence.

Intellectual Capital

PUBLICATIONS IN JOURNALS

Bhardwaj, C., Jain, S., & Sood, M. (2019). Automatic blood vessel extraction of fundus images employing fuzzy approach. *Indonesian Journal of Electrical Engineering and Informatics (IJEI)*, 7(4), 757-771.

Bhardwaj, C., Jain, S., & Sood, M. (2020). Diabetic Retinopathy Lesion Discriminative Diagnostic System for Retinal Fundus Images. *Advanced Biomedical Engineering*, 9, 71-82.

Chand, S., Dahshan, A., Thakur, N., Sharma, V., & Sharma, P. (2020). Alloyed Ag₂SeS_{1-x} quantum dots with red to NIR shift: The band gap tuning with dopant content for energy harvesting applications. *Infrared Physics & Technology*, 105, 103162.

Charu, Jain, S. & Sood, M. (2020). Two-Tier Grading System for NPDR Severities of Diabetic Retinopathy in Retinal Fundus Images”, *Recent Patents on Engineering*, Bentham Science, 14(1).

Choudhary, A., Kumar, A., & Kumar, S. (2020). Techno-economic analysis, kinetics, global warming potential comparison and optimization of a pilot-scale unheated semi-continuous anaerobic reactor in a hilly area: For north Indian hilly states. *Renewable Energy*. 155, 1181 – 1190.

Choudhary, A., Kumar, A., Govil, T., Sani, R. K., Gorky, & Kumar, S. (2020). Sustainable production of biogas in large bioreactor under psychrophilic and mesophilic conditions. *Journal of Environmental Engineering*, 146(3), 04019117.

Dahshan, A., Sharma, P., & Aly, K. A. (2019). Optical constants of Ge-Sb-Se-I chalcogenide glasses using a single reflectance spectrum. *Infrared Physics & Technology*, 102, 102997.

Ganguly, R., & Dewan, H. (2020). Application of Decision Making Tool to Determine Effluent Quality Index of Existing Sewage Treatment Plants. *Journal of The Institution of Engineers (India): Series A*, 101(1), 207-219.

Gangwar, M., & Shankar, J. (2020). Molecular Mechanisms of the Floral Biology of *Jatropha curcas*: Opportunities and Challenges as an Energy Crop. *Frontiers in Plant Science*, 11.

Garg, P., & Sharma, S. (2020). Identification of CpG Islands in DNA Sequences Using Short-Time Fourier Transform. *Interdisciplinary sciences, computational life sciences*. 12(3), 355-367.

Garg, P., & Sharma, S. D. (2020). Sensitivity Enhancement of DWT Based Algorithm for Detection of CpG Islands in DNA Sequences. *Procedia Computer Science*, 167, 1829-1838.

Hoda, S., Gupta, L., Shankar, J., Gupta, A. K., & Vijayaraghavan, P. (2020). cis-9-Hexadecenal, a Natural Compound Targeting Cell Wall Organization, Critical Growth Factor, and Virulence of *Aspergillus fumigatus*. *ACS omega*, 5(17), 10077-10088. <https://doi.org/10.1021/acsomega.0c00615>.

Hoda, S., Vermani, M., Joshi, R. K., Shankar, J., & Vijayaraghavan, P. (2020). Anti-melanogenic activity of *Myristica fragrans* extract against *Aspergillus fumigatus* using phenotypic based screening. *BMC Complementary Medicine and Therapies*, 20(1), 1-13. <https://doi.org/10.1186/s12906-020-2859-z>.

Jain, S. (2020). Computer Aided Detection system for the Classification of Non Small Cell Lung Lesions using SVM. *Current computer-aided drug design*. 16(1). 2020.

Jain, S., & Chauhan, D. S. (2020). Instance-based learning of marker proteins of carcinoma cells for cell death/survival. *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization*, 8(3), 313-322.

Katoch, P., Gupta, K., Yennamalli, R. M., Vashistt, J., Bisht, G. S., & Shrivastava, R. (2020). Random insertion transposon mutagenesis of *Mycobacterium fortuitum* identified mutant defective in biofilm formation. *Biochemical and Biophysical Research Communications*, 521(4), 991-996.

Kumar, A., Singh, V., Sharma, P., & Goyal, N. (2020). Optical properties of (Se₈₀Te₂₀)_{100-x}Zn_x (2 ≤ x ≤ 6) amorphous thin films. *Journal of Non-Crystalline Solids*, 531, 119848.

Kumar, R., Lee, Y. K., & Jho, Y. S. (2020). Martini Coarse-Grained Model of Hyaluronic Acid for the Structural Change of Its Gel in the Presence of Monovalent and Divalent Salts. *International Journal of Molecular Sciences*, 21(13), 4602.

Kumar, R., Rawat, D., Barman, P. B., & Singh, R. R. (2020). Experimental and theoretical verification of cations distribution and spin canting effect via structural and magnetic studies of Ni_{0.6-x}Zn_{0.4}Co_xFe₂O₄ nanoparticles. *International Journal of Minerals, Metallurgy and Materials*, <https://doi.org/10.1007/s12613-020-2005-4>

Kumar, S., & Sharma, V. (2020). Improvement in stability of GST PCMs on Sm addition for memory devices. *Journal of Non-Crystalline Solids*, 532, 119887.

Kumari, A., Thakur, N., Vashishtt, J., & Singh, R. R. (2020). Structural, luminescent and antimicrobial properties of ZnS and CdSe/ZnS quantum dot structures originated by precursors. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 229, 117962.

Kumari, K., Kumar, R., & Barman, P. B. (2020). Magnetic field and temperature-dependent studies of structural and magnetic properties of NiFe. *Applied Physics A*, 126, 456.

Lahiri, P. (2020). Memory Revisited: Struggle and Survival in Sharon Pollock's *Constance*. *Literary Voice: A Peer Reviewed Journal of English Studies*, 1(7), 13-21.

Lahiri, P. (2020). Apartheid and Scarred Consciousness in Toni Morrison's *The Bluest Eye*. *Contemporary Literary Review India*, 7(1), 108-124.

Parihar, N. S., & Kumar Gupta, A. (2020). Chemical stabilization of expansive soil using liming leather waste ash. *International Journal of Geotechnical Engineering*, 1-13.

Parihar, N.S. & Gupta, A. K. (2020). Strength and microstructural behavior of expansive soil treated with limed leather waste ash. *IJITEE*, 9(4), 604-609.

Prashar, N., Sood, M., & Jain, S. (2020). Dual-tree complex wavelet transform technique-based optimal threshold tuning system to deliver denoised ECG signal. *Transactions of the Institute of Measurement and Control*, 42(4), 854-869.

Salau, A. O., & Jain, S. (2020). Computational modeling and experimental analysis for the diagnosis of cell survival/death for Akt protein. *Journal of Genetic Engineering and Biotechnology*, 18, 1-10.

Sati, D. C., Dahshan, A., & Sharma, P. (2019). Photoinduced Effects for Amorphous Chalcogenide Semiconductors. *Applied Materials Today*, 17, 142-158.

Sharma, A., Ganguly, R., & Kumar Gupta, A. (2020). Impact Assessment of Leachate Pollution Potential on Groundwater: An Indexing Method. *Journal of Environmental Engineering*, 146(3), 05019007.

Shishodia, S. K., & Shankar, J. (2020). Exploration of Mycelial Proteins from *Aspergillus terreus* Revealed Ribosome Biogenesis and Antioxidant Enzymes. *Current Proteomics*, 17(5), 433-445. <https://doi.org/10.2174/1570164617666191004163734>

Shishodia, S. K., Tiwari, S., Hoda, S., Vijayaraghavan, P., & Shankar, J. (2020). SEM and qRT-PCR revealed quercetin inhibits morphogenesis of *Aspergillus flavus* conidia via modulating calcineurin-Crz1 signalling pathway. *Mycology*, 11(2), 118-125. DOI: 10.1080/21501203.2020.1711826.

Thakur, A. & Saurav (2020). A Review Paper on Early-Stage Corrosion Detection in Reinforced Concrete Structure with Piezo-Electric Sensor. *TEST Engineering and Management*, 82(Jan/Feb), 9973 – 9985.

Thakur, D., Gupta, A. K., & Ganguly, R. (2020). Laboratory Analysis and Prediction of Settlement of Municipal Solid Waste Under Anaerobic Condition. *Journal of The Institution of Engineers (India): Series A*, 101(3), 455-462.

Thakur, P., Sharma, V., Sharma, R., Wollschläger, J., Ruwisch, K., Dahshan, A., ... & Sharma, P. (2020). Transformation in the structural and optical properties with the phase change from hematite (Fe₂O₃) to pure spinel structure in Mn-Zn nanoferrites. *Physica B: Condensed Matter*, 412107.

Tripathi, K., Sohal, H., & Jain, S. (2020). Design and Implementation of Robust Low Power ECG Pre-processing Module. *IETE Journal of Research*, 1-7.

Tripath, K., Sohal, H., & Jain, S. (2020). Computer-Aided Diagnostic System for Feature-Based Classification Using Heart Rate Variability. *Biomedical Engineering: Applications, Basis and Communications*, 32(02), 2050009.

Tripath, K., Sohal, H., & Jain, S. (2020). Multistage Classification of Arrhythmia and Atrial Fibrillation on Long-Term Heart Rate Variability. *Journal of Engineering Science and Technology*, Vol. 15 (2), 1277 – 1295.

Zaka, H., Parditka, B., Erdélyi, Z., Atyia, H. E., Sharma, P., & Fouad, S. S. (2020). Investigation of dispersion parameters, dielectric properties and opto-electrical parameters of ZnO thin film grown by ALD. *Optik*, 203, 163933.

PUBLICATIONS IN CONFERENCE PROCEEDINGS

Arora, R., Dahshan, A., & Sharma, P. (2020). A study of ac conductivity of nano TiO₂-polyaniline based film. *Materials Today: Proceedings*. Volume 26, Part 2, 2020, Pages 341-343.

Bhardwaj, P., Barman, P. B., & Hazra, S. K. (2020). Shape dependent hydrogen response in palladium nanoparticle based sensors. *Materials Today: Proceedings*. Volume 28, Part 1, 2020, Pages 218-222.

Choudhary, A, Kumar, A., Kumar, S. (Feb. 7-8, 2020) "Biogas Production using one stage single portable reactor". In National Symposium, Biotechnology trends and Innovations, Star college scheme of Department of Biotechnology, Govt. of India, New Delhi, Page no. 15. (Abstract only; Invited Talk)

Choudhary A., Kumar* A, Kumar S, (Nov. 27-30, 2019) "Current practices, future strategies, energy prospect, global warming potential and economic aspect of municipal solid waste: Himachal Pradesh". In 9th IconSWM 2019 at Kalinga Institute of Information and Technology, Bhubaneswar, Odisha, India during November 27-30, 2019, Page no. 113. (Abstract only)

Choudhary A., Kumar A, Kumar S, (Nov. 27-30, 2019) "Bio-methane potential and modeling studies of cow dung, food waste and pine needles at low mesophilic temperature". In 9th IconSWM 2019 at Kalinga Institute of Information and Technology, Bhubaneswar, Odisha, India during November 27-30, 2019. Page no 16. (Abstract only)

Choudhary A., Kumar A, Kumar S, (Dec. 27-29, 2019) "Greenhouse gases Inventorying: Estimation of Carbon dioxide and methane from municipal solid waste in Shimla". In 10th Indian climate congress on Climate change & world peace 2019 at Orissa University of Agriculture & Technology, Bhubaneswar, India during December 27-29, 2019. (Abstract only)

Dhruvika, Rimjhim, Rolika and Hemant Sood.2020.Cryopreservation and regeneration of *Picrorhiza kurroa*. International Conference on Advances in Biosciences and Biotechnology(ICABB-2020) organized by Department of Biotechnology,JIIT,Noida,30th January-1st Feb,2020. ISSN:2471-5689

Disha Thakur, Rajiv Ganguly, Ashok Kumar Gupta(2019) 'Settlement Analysis of Municipal Solid Waste in Non-Engineered Landfill in Himachal Pradesh' in 9th International Conference on Sustainable Waste Management towards Circular Economy (9thIconSWM-CE 2019) held during November 27-30, 2019 at Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, Odisha, India.

Ganguly, R., Sharma, G. S. D., & Rana, R. (2019, November). Mapping of MODIS satellite data with ground level particulate matter concentration-a case study for Shimla. In 2019 Fifth International Conference on Image Information Processing (ICIIP) (pp. 497-502). IEEE.

Kumar, R., & Kumar, R. (2020). Formation of hierarchical porous interlaced 3-D nanostructured (Ni-Co)(OH)₂ and NiCo₂O₄ films simultaneously using a novel technique. *Materials Today: Proceedings*. Volume 28, Part 1, 2020, Pages 134-137.

Poonam Katoch, Kinam Gupta, Ragothaman M.Yennamalli, Jitendraa Vashistt, Gopal Singh Bisht, Rahul Shrivastava 2020 Random insertion transposon mutagenesis of *Mycobacterium fortuitum* identified mutant defective in biofilm formation. *Biochemical and Biophysical Research Communications*. 521(4) 991-996.

Rishi Rana, Disha Thakur (2019). From Waste to Wealth: Solid Waste Management for Enhancement of Agricultural Productivity in Himachal Pradesh, India. Proceedings of the International Conference on Sustainable Waste Management towards Circular Economy (9th IconSWM-CE 2019) [9th : Kalinga Institute of Industrial Technology (KIIT), New Bhubaneswar, Odisha, India. : November 27-30, 2019]

Rishi Rana, Rajiv Ganguly, Ashok Kumar Gupta (2019). Evaluation of Heavy Metal Pollution Index (HPI) for Ground Water in Tricity. Proceedings of the International Conference on Sustainable Waste Management towards Circular Economy (9th IconSWM-CE 2019) [9th : Kalinga Institute of Industrial Technology (KIIT), New Bhubaneswar, Odisha, India. : November 27-30, 2019]

Rohit Kumar, Samarth Sharda, Shivam Gupta, A.K. Gupta, Rishi Rana (2019). Quality Assessment of Surface and Groundwater in parts of District Patiala, Punjab, India. Proceedings of National Seminar on Unnat Bharat Abhiyan: Prospects and Challenges, NITTTR, Chandigarh, 28-29 November, 2019.

Sharma, A., Ganguly, R. & Gupta, A. K. (2020). Design of Landfill Systems in Hilly Regions of Himachal Pradesh. in 3rd International Conference on Waste Management (RECYCLE 2020) held during February 13-14, 2020 at IIT Guwahati, Guwahati, Assam, India.

Sharma, E., & Sharma, P. (2020). Applicability of different models of energy bandgap and refractive index for chalcogenide thin films. Materials Today: Proceedings. Volume 28, Part 1, 2020, Pages 92-95.

Shivani Sood, Varun Jaiswal, Poonam Katoch, Rahul Shrivastava (2019). Acid stress based Mycobacterium fortuitum surrogate model for Mycobacterium tuberculosis persistent infection. Proceedings of the 60th Annual Conference of Association of Microbiologists of India (AMI). [Central University of Haryana, India : 15-18 November, 2019].

Umesh K singh, Z. Ahmad, Ashish Kumar, Sourojit Das, and Prasanta Biswas (2019). Critical Shear Stress of Sand Particles in Non-Uniform Sediments, proceedings of XXIV Hydro2019 International Conference-18-20 Dec, 2019, pp1035-1040, ISBN: 978-93-8935-484-3

Utkarsha Shrivastva and Hemant Sood.2020.Evaluation of plant extracts as possible phytotherapeutics for the treatment of asthma-Areview. International Conference on Advances in Biosciences andBiotechnology(ICABB-2020) organized by Department of Biotechnology,JIIT,Noida,30th January-1st Feb,2020 ISSN:2471-5689.

Vasistha, P. & Ganguly, R. (2019). Water Quality and Designated Best Use (DBU) Determination of BhimTaal Lake of Panchkula, Haryana. In 1st International Conference on Water Security and Sustainability (ICWSS 2019) held during December13-14, 2019 at Sikkim Manipal Institute of Technology, Sikkim, India.

Vasistha, P., & Ganguly, R. (2020). Water quality assessment of natural lakes and its importance: An overview. Materials Today: in 3rdInternational Conference on Innovative Technologies for Clean and Sustainable Development (ITCSD 2019) held during February 19-21, 2020 at NITTTR Chandigarh, Chandigarh, India. <https://doi.org/10.1016/j.matpr.2020.02.092>.

PUBLICATIONS AS BOOK CHAPTERS

Bansal, A., & Singh, T. R. (2019). Epigenome-Wide DNA Methylation and Histone Modification of Alzheimer's Disease. In Computational Epigenetics and Diseases (pp. 131-148). Academic Press. ISBN 9780128145135.

Ganguly, R. (2019). Aspects of e-waste management in India. In: M.Z. Hashmi and A.Verma (eds) Electronic Waste Pollution, Soil Biology 57. Springer Nature Switzerland [ISBN: 978-3-030-26614-1, 978-3-030-26615-8 (eBook)], Chapter 17, Page 253-265. https://doi.org/10.1007/978-3-030-26615-8_17

Ganguly, R. & Chaudhery, M. H. (2020). Hazardous Waste – Types and Sources. In: Hussain C.M. (eds) The Handbook of Environmental Remediation: Classic and Modern Techniques. Royal Society of Chemistry [ISBN: 978-1-78801-380-2], Chapter 17, pp. 468 – 486.

Kashyap, A., Sinha, S., Barman, P. B., & Hazra, S. K. (2020). Nano Layers of 2D Graphene Versus Graphene Oxides for Sensing Hydrogen Gas. In Multilayer Thin Films-Versatile Applications for Materials Engineering. IntechOpen. DOI: <http://dx.doi.org/10.5772/intechopen.88538>. Publisher: IntechOpen; ISBN 978-1-78985-437-4.

Lahiri, P. (2020). TAGORE'S ARTISTIC RENDERING OF SPIRITUAL REALISM IN DAK GHAR. Rabindranath Tagore's Drama in the Perspective of Indian Theatre, 67.

Panigrahi, P. P., & Singh, T. R. (2017). Data Mining, Big Data, Data Analytics: Big Data Analytics in Bioinformatics. In Library and Information Services for Bioinformatics Education and Research (pp. 91-111). IGI Global. USA. [ISBN : 9781522575016].

Rana, R., & Ganguly, R. (2020). Hazardous Waste And its Associated Health Risks. In: Marfe G. and Di Stefano C (eds) Hazardous Waste Management and Health Risks. Bentham Science Publications <https://doi.org/10.2174/9789811454745120010006>.

Sehgal, M., & Singh, T. (2020). Principles and Analysis of Biological Networks: Biological Pathways and Network Motifs. In Data Analytics in Medicine: Concepts, Methodologies, Tools, and Applications (pp. 551-564). IGI Global, USA. [ISBN13: 9781799812043].

Shukla, B. K., & Gupta, A. (2020). Mix Design and Factors Affecting Strength of Pervious Concrete. In Advances in Structural Engineering and Rehabilitation (pp. 125-139). Springer, Singapore.

Shukla, S., Ganguly, R. & Chaudhery, M. H. (2020). Hazardous Waste – Types and Sources. In: Hussain C.M. (eds) The Handbook of Environmental Remediation: Classic and Modern Techniques. Royal Society of Chemistry [ISBN: 978-1-78801-380-2], Chapter 2, pp. 24-52.

Sood, H. (2020). Production of Medicinal Compounds from Endangered and Commercially Important Medicinal Plants through Cell and Tissue Culture Technology for Herbal Industry. In Bioactive Compounds. IntechOpen, London,UK [ISBN 978-1-83880-887-7].

Thakur, D., Ganguly, R., Gupta, A. K., & Ghali, V. (2020). Evaluation of Existing Solid Waste Management System in Una Town, India. In Sustainable Waste Management: Policies and Case Studies (pp. 367-381). Springer, Singapore.

NEWS CLIPPINGS

दैनिक भास्कर

लोगों को बताया कैसे भूकंपरोधी कमान बनाए जाएं



शिमला: हिमाचल प्रदेश जिला आपदा प्रबंधन प्राधिकरण के सहयोग से जेपी यूनिवर्सिटी में तीन दिवसीय प्रशिक्षण कार्यक्रम करवाया। इस दौरान विशेषज्ञों ने बताया कि किस तरह से भूकंपरोधी मकान बनाए जायें। कार्यक्रम के संयोजक डॉ. सौरभ व डॉ. तमयू गुरा ने कमान बनाए

सुझाव • सोलन के वाकनाघाट में जेपी यूनिवर्सिटी में राज्यपाल ने छात्रों के साथ अपने विचार किए साझे प्रदेश को नशा मुक्त बनाने के लिए युवा आएँ आगे



राजमिस्त्रि सोलन। जिला आपदा प्राधिकरण सोलन के सौंठ जिला में सुरक्षित भवन निर्माण के अंतर्गत सोलन वाकनाघाट स्थित जेपी कार्यशाला गुरुवार को कार्यशाला उपमंडलाधिकारी संजीव धीमान के निस्त्रियों का अगवत

भूकंपरोधी मकान बन

सोलन। जिला आपदा प्राधिकरण सोलन के सौंठ जिला में सुरक्षित भवन निर्माण के अंतर्गत सोलन वाकनाघाट स्थित जेपी कार्यशाला गुरुवार को कार्यशाला उपमंडलाधिकारी संजीव धीमान के निस्त्रियों का अगवत

लव आज कल-2' में मंडी की आरुषि शर्मा



मूलांक न सिना मंजु के लिए टुकड़ा दो पांच लाख को नोकरी, अब बने सेलिब्रिटी

विश्वविद्यालय वाकनाघाट में साल की तरह इस बार भी युवा

विश्वविद्यालय वाकनाघाट में साल की तरह इस बार भी युवा आंदोलन का आयोजन किया गया। मुआई युवा संसद को 23 जनवरी, 2019 को कुलपति द्वारा प्रतिष्ठित किया गया। इस कार्यक्रम का कुलपति, साहित्य और नाट्य क्लब के संयोज प्रमुख, संयोज प्रमुख सांस्कृतिक क्लब और जेवाईसी के अध्यक्ष द्वाय दीप प्रमुखता से भाग लिया। कार्यक्रम में स्वीकर किया गया। कार्यक्रम में स्वीकर किया गया। कार्यक्रम में स्वीकर किया गया।

जेपी यूनिवर्सिटी में छात्रों की शूना प्रस्तुति

जेपी यूनिवर्सिटी में छात्रों की शूना प्रस्तुति पर पाठ्य आंतरराष्ट्रीय सम्मेलन सजा

जेपी यूनिवर्सिटी वाकनाघाट ने सोलन कोलेज में लगाई कार्यशाला

जेपी यूनिवर्सिटी वाकनाघाट ने सोलन कोलेज में लगाई कार्यशाला

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

राज्यपाल बंडारू दत्तात्रेय ने विद्यार्थियों को दी नशे से दूर रहने की सलाह

राज्यपाल बंडारू दत्तात्रेय ने विद्यार्थियों को दी नशे से दूर रहने की सलाह

जेपी यूनिवर्सिटी में वर्कशॉप का आयोजन



सोलन। जेपी यूनिवर्सिटी ऑफ इंफार्मेशन एंड टेक्नोलॉजी वाकनाघाट में परसोशन टुवार्ड्स आरबीआर विषय पर आयोजित तीन दिवसीय वर्कशॉप का समापन हुआ। इसमें आरबीआर सेल द्वारा आयोजित इस वर्कशॉप में सभी शिक्षक और विद्यार्थियों ने भाग लिया। वर्कशॉप के दौरान फाईंगिंग नियू जियोग्राफिकल डिस्कशन ऑफ हिमाचल प्रदेश की प्रतियोगिता करवाई गई, जिसमें आदित्य शिखर गंगवार ने पहला स्थान प्राप्त किया। वर्कशॉप का समापन गेस्ट लेक्चर से हुआ, जिसमें सीपीआरआई शिमला से डा. सुंदरशा सिद्धा ने सभी शिक्षक और छात्रों को आरबीआर के बारे में जागरूक किया। आरबीआर के को-ऑर्डिनेटर डा. सुधीर कुमार ने बताया कि जेयूआईटी को नो पेटेंट्स ग्रांट हो चुके हैं जिसमें से वार पेटेंट्स 2019 में ग्रांट हुए हैं और 12 अभी प्रक्रिया में हैं। वर्कशॉप का समापन आरबीआर सेल की को-ऑर्डिनेटर डा. श्रुति जैन ने धन्यवाद प्रस्ताव से साथ किया।

काशी यात्रा में छाए जेपी यूनिवर्सिटी के होनहार

वार्षिक सांस्कृतिक उत्सव में रंगमंच-स्टैंडअप कॉमेडी में झटका तीसरा स्थान



जेपी यूनिवर्सिटी ऑफ इंफार्मेशन एंड टेक्नोलॉजी के सांस्कृतिक और ड्यूपारिक्स क्लब, जेवाईसी के

जेपी विश्वविद्यालय में सजी युवा संसद

युवा संसद की पूरी कार्यवाही को प्रेस सदस्यों ने कवर किया गया। इस दौरान कुछ गम बहसे भी हुई और कुछ वास्तविक मुद्दे सामने आए। कुछ पचा हसी के भी थे, जब प्रतिनिधियों ने उनके चर्चों का खुलासा किया और समर्थन करना शुरू किया। उन्होंने कुछ मजदूर दिवसियों भी की और प्रिंसिपल की दीवारों पर अपना नाम दर्ज करवाया। युवा संसद के दौरान स्पीकर बहुत इंटरैक्टिव थे और शून्य चर्के के दौरान प्रिंसिपल का एक हिस्सा बन गए। बाद प्रस्ताव विचारित और अत्योजित

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

जेपी यूनिवर्सिटी में आठे अग्ररे नाटक का मंचन

Guv: Youth can rid state of drugs
SOLAN, NOVEMBER 21
Governor Bandaru Dattatreya today said youngsters could make the state drug-free with self-determination. Addressing the students of JP University at Walmaghat, he urged the youth to shun drugs and motivate their peers too. The youth should understand that drugs not only damaged their physical and mental health, but also caused economic and social damage. The Governor also inspected labs and the university premises. — TNS

Jaypee varsity holds conference on 'Image Information Processing'

Jaypee University of Information Technology, Solan, recently hosted the 5th international conference on 'Image Information Processing'. The three-day conference, organised by the Department of Computer Science and Engineering and Information Technology, was inaugurated by vice-chancellor Prof. (Dr) Vinod Kumar. The conference was organised to facilitate researchers, developers and educators working in the area of image and image computing.

The Tribune
22.11.2019
Page No. 95

The Tribune
Tue, 19 November 2019
https://paperkit.net

HILLY RAMBLINGS

Coordinators:

Dr. Suresh K Chauhan, Learning Resource Centre
Dr. Ashish Kumar, Department of Civil Engineering
Dr. Hemant Sood, Department of BT/BI
Dr. Geetanjali, Department of CSE/IT
Dr. Neel Kanth, Department of Mathematics
Dr. Pragya Gupta, Department of ECE
Dr. Sakshi Khanna, Department of HSS
Dr. Surajit Hazra, Department of P&MS

Published by:



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

Waknaghat, P.O. Waknaghat, Teh. Kandaghat

Distt. Solan, Pin – 173 234 (HP)

INDIA

Tel.: +91 - 1792 - 257999; Fax: +91 - 1792 - 245362

Website: www.juit.ac.in