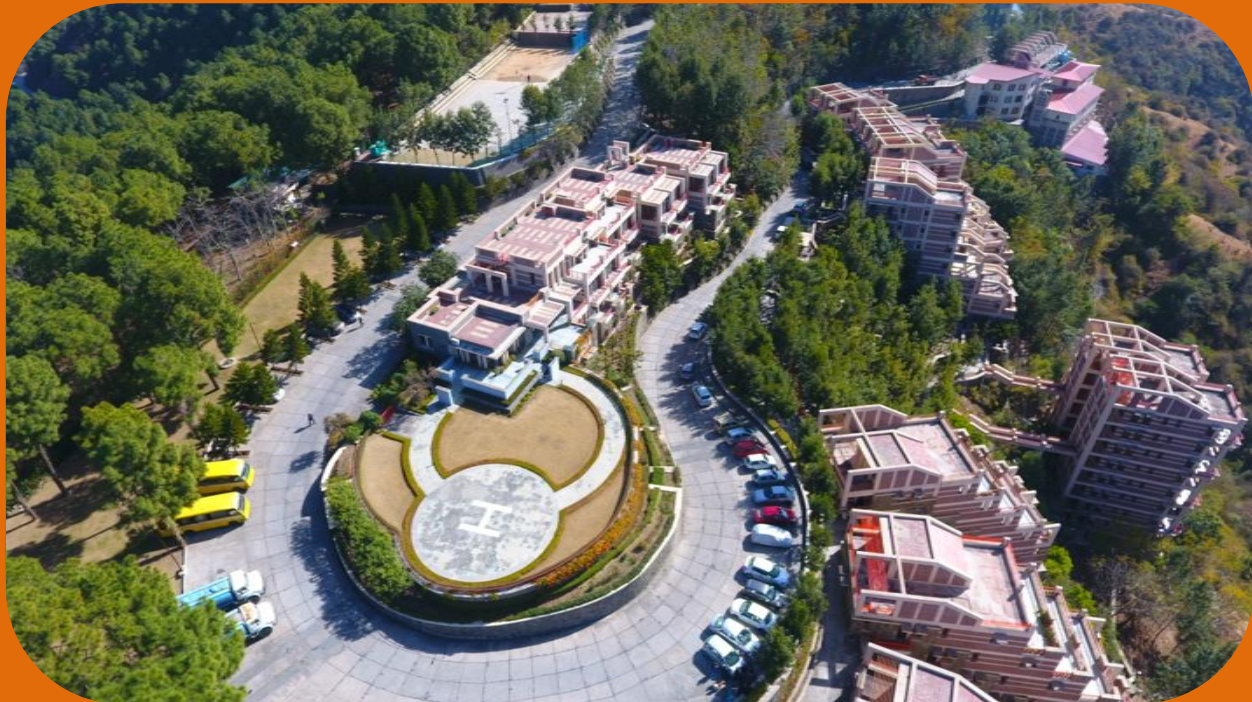


A Newsletter of JUIT

HILLY RAMBLINGS

VOLUME 8 | ISSUE 3 | (Mar – JUN 2019)



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Suggestions and comments may kindly be sent to
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National Workshop

BIOINFORMATICS AND BIOMEDICAL IMAGE ANALYSIS (NBBIA) – 2019

May 29 – 31, 2019

A national level workshop on Bioinformatics and Biomedical Image Analysis NBBIA-2019 was conducted under the aegis of Centre of Excellence in Healthcare Technologies and Informatics (CEHTI), JUIT. CEHTI was established by a decision from the Academic Council in its meeting held on 2nd Dec., 2017. This CoE is being developed to identify and use recent developments in the health care sectors along with its coordination with the rapidly developing informatics techniques. Dr. Tiratha Raj Singh is being designated as the coordinator of CEHTI. The Centre aims to carry out training activities that are concentrated in the field of

includes Shoolini and Nauni Universities, Solan, Central University Dharmashala, and IHBT Palampur along with some participants from Allahabad, Jalandhar, Dehradun, Delhi, Kolkata and Chennai. Workshop was focused on basic to advanced techniques in Bioinformatics, Biomedical Image and Signal Processing and their applications to gain insights towards their real life applications. First day was dedicated to bioinformatics and biological sequence analysis. Second day focused on structural bioinformatics. Last day was on biomedical image and signal processing. All three days participants enjoyed interactive lectures and



health information of national importance and strategic dimensions. NBBIA 2019 is the outcome of such activities of CEHTI.

In NBBIA 2019, participants were from all parts of India which includes Himachal region which

hands on sessions of the respective topics. Participants were very happy and gave very positive feedback for the workshop. This workshop was jointly coordinated by Dr. Nishant Jain and Dr. Tiratha Raj Singh.



Workshop (Six Days) on

MIX DESIGN METHODOLOGY FOR CONCRETE AND BITUMEN

June 24 – 29, 2019

The best private institute among all the engineering colleges in Himachal Pradesh, Jaypee University of Information Technology, Waknaghat (H.P) organised a Six Day Workshop on 'Mix Design Methodology For Concrete And Bitumen'. This workshop was organised by Department of Civil Engineering, JUIT in four different phases, in order to forge a connection between Himachal Pradesh Public Works Department (HPPWD) government officials and hosts. The main aim of these workshops is to introduce the field engineers with latest developments in the civil engineering domain.

The workshop discussed upon the physical, chemical, and micro-structural characteristics of coarse and fine aggregates, cement, bitumen and other ingredients associated with concrete and bitumen were discussed. In addition to this, mix design methodologies as per the latest Indian Standard (BIS and IRC) codes for concrete and bitumen were also discussed during the workshop. The suggested aspects play a vital role in the integrity, safety, and economy of structures such as; buildings,

highways, bridges. The event was inaugurated by Prof. Vinod Kumar, Vice-Chancellor, Maj Gen Rakesh Bassi (Retd.) Registrar and Dean of Students, Prof. Ashok Kumar Gupta, Head, Department of Civil Engineering. Workshop is meeting with overwhelming positive response from the HPPWD officers, strengthening the relationship amongst two institutes,

Program Conveners Dr. Amardeep, Dr. Pankaj Kumar, and Mr. Tanmay Gupta mentioned that a total of twenty-five participants from HPPWD including Assistant Engineers and Junior Engineers from all over Himachal Pradesh have been registered for each phase of the aforementioned workshop. Next and final phase of the workshop will be held from 23rd to 28th September 2019 for which registrations are open.



Workshop on
**TOMATO DISEASE IDENTIFICATION USING
ANDROID APP FOR THE FARMERS OF HP**
March 16, 2019

A workshop for 'Tomato Disease Identification Using Android App for the farmers of H.P' was organized on 16th March, 2019 at Jaypee University, Wagnaghat under the project support from Department of Environment, Science & Technology, Himachal Pradesh. About 60 farmers from various panchayats of Chawsha, Bisha, Richana, Deholi, Wagnaghat, Naunigrati and Bani benefitted from the workshop. The resource persons Dr. Bhanu Neopaney, Principal Scientific Officer HPDEST, Dr. Manica Tomar from Nauli University and Dr. Mohan Singh, Scientist ICAR, Shimla addressed the farmers.



The JUIT Vice Chancellor Prof. Dr. Vinod Kumar gave the inaugural speech welcoming all the farmers. Dr Pradeep Kr Singh addressed the gathering and provided the information to the farmers about the project. Dr Meenakshi Sood shared her thought among the gathering about the app being developed and how it is going to help the farmers at large.



Workshop cum Exposure visit

GOVT. DEGREE COLLEGE, SOLAN, HIMACHAL PRADESH AT JUIT

March 7, 2019

The Department of Biotechnology and Bioinformatics, JUIT organised a workshop cum exposure visit for 104 students of B.Sc (medical) final year from Govt. College Solan on 7th March 2019. Dr Hemant Sood (Associate professor, BT&BI) coordinated the workshop by welcoming the students and providing them insight about the future aspects of Biotechnology either for post- graduate studies or for research explorations. Prof. (Dr) Sudhir Kumar, HOD, addresses the students by informing about the achievements of JUIT and department. He also shared the information regarding the courses and different programmes running and will be started in the coming session in the university. Workshop

sciences along with future aspects in India and also in the university along with demonstration of different tools in Bioinformatics lab. In another session students divided in three groups (35 each) and each group sent to Biotechnology labs for taking demonstration having interaction with faculty members. Dr.Rahul Shrivastava, Associate professor (BT &BI) gave demonstrations on diagnostics in Immunology, Dr Jata Shankar Associate professor (BT &BI) demonstrated about molecular techniques, Dr Hemant Sood Associate professor (BT &BI) demonstrated plant tissue culture techniques for endangered medicinal plants along with Hydroponic system in the glass house. Prof. Sudhir Kumar



session started with lecture of Dr Tiratha Raj Singh, Associate professor (BT &BI) about Bioinformatics and its application in medical

also took students to biogas reactor plant and gave demonstration about the working model.



Workshop cum Exposure visit
GOVT. DEGREE COLLEGE, SOLAN, HP AT JUIT
March 14, 2019

A workshop cum Exposure visit was organized by a motivated team of Department of Physics and Materials Science (PMS), Jaypee University of Information technology (JUIT), Wanknaghat, Solan for the 140 students of B.Sc (non-medical) final year from Govt. College Solan. Dr Ragini Raj Singh (Assistant Professor (Senior Grade), PMS) coordinated the whole event. Team was lead by Prof. P.B. Barman, HoD, Department of PMS which includes faculty members Dr. Sunil Khah, Dr. Vineet Sharma, Dr. Pankaj Sharma, Dr. Surajit Hazra and Dr. Ragini Raj Singh. Event started with an inaugural lecture by Dr. P.B. Barman on Nanotechnology while Dr. Rakesh Bajaj from Department of Mathematics talked about Statistics and its applications in real life. Prof. Barman also provide information regarding the courses and different programmes running and will be started in the coming session in the university specially four new M.Sc. programs to be started from July, 2019 in the subjects Bioinformatics, Biotechnology, Physics and Statistics.

After the inaugural lectures, students were divided into four groups and each group sent to Physics labs for taking demonstration in defined



time schedules with our distinguished faculties for their practical knowledge enrichment. Conclusion of workshop happened after collecting feedback from students and served them with high tea.

Dr. Pawan Kumar, Dr Deepak Gupta, Associate professors, Dr. Anil Thakur, Assistant professor, Govt. College, Solan organized this trip of students. Support from JUIT administration, Lab staff, research scholars, faculty members of the Department and students for their unconditional support is being acknowledged for making it a successful event. Need to inform that JUIT is organizing various such events for the school and college level students for the dissemination of scientific and technological innovations and latest updates to keep Himachal students updated and to make them competent enough in this rapidly developing scenario.



Expert Lecture on

COMPRESSED SENSING: BEATING THE NYQUIST SAMPLING

By Prof. (Dr.) Debashis Ghosh

March 23, 2019

Prof. (Dr.) Debashis Ghosh, Head of the department, Department of Electronics & Communication Engineering, IIT Roorkee delivered an expert lecture on “Compressed Sensing: Beating the Nyquist Sampling” on March 23, 2019 at 11:30 AM in CR8. Prof. (Dr.) M. J. Nigam, Head of the department, Department of Electronics & Communication Engineering, JUIT Waknaghat welcomed Prof. Ghosh and all audience.



Prof. Debashis Ghosh received his B.E. degree in Electronics & Communication Engg. from the Malaviya National Institute of Technology, Jaipur (erstwhile Malaviya Regional Engineering College, affiliated to Rajasthan University) in the year 1993, M.Sc. (Engg.) and Ph.D. degrees, both in Electrical Communication Engg. from the Indian Institute of Science, Bangalore, in the

years 1996 and 2000, respectively. He worked as a DAAD Research Associate at the University of Kaiserslautern, Germany from April 1999 to November 1999; Senior Lecturer from November 1999 to January 2000 and Assistant Professor from January 2000 to June 2006 in the Department of Electronics & Communication Engg. at the Indian Institute of Technology Guwahati; visiting faculty in the Department of Electrical & Computer Engg. at the National University of Singapore during July 2003 to June 2004; and Senior Lecturer in the Faculty of Technology at the Multimedia University, Malaysia from June 2006 to June 2008. He joined the Department of Electronics & Computer Engg. at Indian Institute of Technology Roorkee as Associate Professor in June 2008 and became a Professor in the Department of Electronics & Communication Engg. in November 2015. His areas of research interests include Signal processing, Image & video processing, Computer vision & Pattern recognition, Cognitive communication and Wireless sensor networks. Department faculty members, PhD scholars and B. Tech. students attended the lecture and interacted with him enthusiastically. Dr. Shruti Jian, Dr. Vikas Baghel and Mr. Mohit Garg were the coordinators of the event.



Expert Lecture on **ANTENNA GUIDELINES FOR 5G AND IOT COMMUNICATIONS** April 18, 2019

Dr. Ashwani Sharma, Assistant Professor, Department of Electrical Engineering, IIT Ropar, Punjab, India delivered an expert lecture on “Antenna Guidelines for 5G and IOT Communications” on April 18, 2019 at 11:15 AM in CR-12.

Firstly, Prof. (Dr.) M. J. Nigam, Head of the department, Department of Electronics & Communication Engineering, JUIT Waknaghat welcomed Prof. Sharma and all audience with his delighted words.



Dr. Ashwani Sharma received his PhD degree in antenna engineering from University of Deusto, Bilbao, Spain. He was visiting training fellow at University of Kent, UK during May-Aug 2014 and

Visiting Research Fellow at Malviya National Institute of Technology, Jaipur during June-Sept 2015. His current research interests include Antenna design for Wireless charging platforms, Near-field communications, Radio frequency identification, medical applications, wireless implantation technology, antennas for 5G and IoT. He has previously worked on: Wireless networks and channels, Cross-layer design, Image and video coding. His research work has been published in various international journals and conferences such as IEEE transactions and Letters, IET journals, and Wiley letters.

He is also working as an external researcher in Deusto Smart Mobility, Bilbao, Spain from Jan.

2016 - Dec 2021. He worked as an Assistant Professor in ECE department at our own university from June 2016-May 2018. He also worked as a Research Assistant in Mobility Group, DeustoTech, Bilbao, Spain from Nov.



2011 - Dec. 2015 and a Junior Research fellow in CNRG Lab at Indian Institute of Technology Delhi from June 2010- Aug 2011. Currently, he is handling three funded projects on Antenna Design for 5G & IoT funded by various agencies like MHRD and DST of budget around 1.6 crores.

Department faculty members, PhD scholars and B. Tech. students attended the lecture and interacted with him enthusiastically. Dr. Rajiv Kumar, Mr. Alok Kumar and Mr. Mohit Garg coordinated the event.



IEEE-JUIT Student Branch
R & D EXPO 2019
April 13 – 14, 2019

IEEE JUIT's flagship event was organized on 13-14 April, 2019 for aspirants of JUIT with a very high competitive spirit to participant and with the strong determination to include their achievements & accomplishments to their resumes. This event is organized every year with the objective to provide platform for the students to showcase their talent with a competitive spirit.

A 2 day 'R&D Expo 2019' event was hosted by IEEE JUIT Student Branch in collaboration with TIED Cell, JUIT. The two main events, 'Hackathon' and 'Ideathon' were the main attraction of the event. Hackathon was a design sprint-like event in which computer programmers and others were involved in software development,



including graphic designers, interface designers, and project managing. Whereas, 'Ideathon' concentrated on

pitching of an idea on the open stage that expected to make a significant change in the trend. Participants presented their ideas using posters designed by them. To give students inspiration, vision and motivation to achieve more and be successful, there were expert talks by Mrs. Preeti Singh, Head of Operations,



Beverages, Ex-Regional Director of south Asia (YPO), Ex-Vice President of Elixir solutions; and Mr. Aquib Hussain, Chief

Director and Director at I&We_WoC Minds, National Academic partner Startup India Yatra, TEDx speaker. The event was successful and got an overwhelming response.



Webinar Sessions

BY SHRI AJIT DOVAL

March 19, 2019

The MHRD Innovation Cell invited Shri Ajit Doval Ji, National Security Advisor, Government of India, conducted a virtual webinar on 'The Art of Decision Making' on 19th March 2019 at 11:30 A.M at their portal. The session was organized at a lecture theatre of the university. The event turned out to be a massive success with unflinching cooperation and support of students who had assembled in numbers in the hope of taking away something new from this webinar.



The event kicked off with an introductory speech from Dr. Nishant Jain who briefed the audience about the purpose of conducting this important webinar. Shri Ajit Doval Ji delivered his motivational talk on how students should stabilize their minds and be able to take important decisions in their student life for the upliftment of their careers in future. He also elaborated on the establishment of startups so that the students could get a feel of what entrepreneurship feels like.



BY MS. PREETI SINGH

March 25, 2019

In the evening of 25th March 2019 TIEDC, JUIT organised a webinar with M/S Preeti Singh. has a great professional experience of two decades in strategy planning and implementation , deep knowledge in talent acquisition, business development, hiring for business houses and multinationals in India and overseas. During the session M/S Singh cleared the doubts of emerging minds about the corporate world and how it works. The session proved to be very interactive, motivating and helpful for the students and they a great participation to make the session successful.



Technical Fest of JUIT
MURIOUS 2K19
March 15 – 17, 2019

In the midst of a tempestuous storm, sputtering lamps and misty weather, the Annual technical fest, Murious 2k19, the three days panorama of Jaypee University of Information Technology, commenced with its cultural night, synchrotron. True to it's 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 very own, college's singing sensation, Amolik Vivian Paul. The cultural night ended with, a gala whirl time for all the students, it was indeed an unsurpassable night.



All in all, it proved out to be a long yet a bewildering day for everyone. Likewise, the third and the final day of the fest was full of amazement too, comprising of a noteworthy



Later, for the night, Hackathon, a 12 hour non-stop 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. A tech talk session was also organized for all the tech maniacs.

photography session taken by one of the most esteemed photographer, Raghav Rai Ralhan.

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.



Socio-cultural Fest of JUIT

LE-FIESTUS

April 26 – 28, 2019

LE-FIESTUS is the annual socio cultural festival of Jaypee University of Information

Technology. The Jaypee Youth Club presented the most anticipated carnival of our tribe of Engineers, The LE-FIESTUS 2019. The theme of the fest was Harry Potter.

Following up on Day 1 of Le-Fiestus, the cultural night was full of exuberant energy. The dance performance that brought tears to everyone's eyes and evoked our patriotism spirit was given by rhythm twisters and DNR. Apocalypse made us feel the positive vibes all around.

Ramp walk was the highlight of the night. It portrayed gender equality that made it an eye opening act. To celebrate the unique spirit of Himachal and Punjab, the folk dance groups Pakke pahadiye and UBC showcased amazing performances. The star of the evening that made everyone dance till they dropped was Twinrave and Redmus DJ as they

took the EDM night to a whole new level and gave us some unforgettable memories.

The second day at this edition of Le-Fiestus brought something so surreal to us, The Local Train. Every second of not just the performance, but even the mic check felt something more than what emotions can encompass.

The aura of the third day of Le-Fiestus 2019 was increased as it started with the battle among the best, The War of Bands. On the concluding day of the fest the movie club of JYC had organized a talent hunt competition with an assortment of performing arts such as self composed poetries, songs, instrumental plays, mono-dances and many more.

Commencing up on Day 3 of the fest we had The Swastik Band into our house that braced us with their dazzling soothing voices. The event ended with the felicitation ceremony of the JYC office bearers who tirelessly worked to ensure what was something more than just a 3 day cultural event.



Dramatic Club performed a Stage Play

EVAM INDRAJIT

April 16, 2019

On 16th April 2019 , there had been a *Stage Play - Evam Indrajit* performed by *Young Thespians* Dramatics club of JUIT. Evam Indrajit is the most celebrated work of Indian dramatist and theater director Badal Sarkar. Accustomed on this event, we have our Honorable Director Dr. Samir Dev Gupta, Prof. Dr. M.J Nigam, Dr. Rahul Srivastava, Dr. Amit Srivastava and Dr. Papiya Lahiri.

Evam Indrajit is a play about the mediocre class. It is a conversation between the writer and the protagonist Indrajit, who is introduced as 'and Indrajit', because he is part of the society rather than having an identity of his own. The play subtly points towards Sartrean Existentialism. It denotes that life is a circle with no ending, it ends where it begins, it is an endless road. The Stage Director and coordinator of Young Thespians- Chandrashekhar Chaudhary and Pratyush Shankar Sinha provided the overall vision and guidance of the performance, ensuring that all elements are unified and that production runs smoothly. The extremely talented and dedicated actors of "Young Thespians" enacted the play very beautifully and were applauded by the students and the staff members.



JYC event

JUIT YOUTH PARLIAMENT

March 9 – 10, 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 fifth edition of JUIT youth parliament was organized on 9th and 10th of March 2019. The agenda for the discussion was “Reconsideration committee over judgments of Supreme Court with special emphasis on Triple Talaq and Sabrimala temple case”. This time about 150 participants participated and raised the level. The experienced executive board consisted of Bhuvan Malhotra, Mannan Gupta and Vanni Mahesh ensured the smooth working of the parliament and ensured everything worked as per the rule and order. The two day discussion aimed to educate the participants about the standard rules and procedures that our parliament observes and in the process, inspired students to #bethechange. A healthy debate took place between the delegates. The



press ensured the council was always active and made sure that no rules were broken. JYP provided the best platform for parliamentarians to exchange inspirational ideas and cooperate with one another to achieve the ultimate aim behind this endeavor i.e., to come up with pragmatic ideas in the form of Resolutions and Bills that hold the potential to be forwarded to the actual law-makers of the country. On the second day the bill was tabled by the ruling party and was passed due to majority of votes in favor of bill. After the event the award ceremony was conducted and Pradyumn Aggarwal was declared the best delegate. JYP 2019 was a great learning experience for everyone.



Special address on Drug-abuse
BY SHRI SITA RAM MARDI, IPS
Director General of Police, Himachal Pradesh
April 20, 2019



Shri S R Mard, Director General of Police, Himachal Pradesh visited the University on 23rd April 2019 and addressed the students on the menace of drugs. He shared his concern on increasing rate of drug abuse cases in Himachal Pradesh. He made students aware on the consequences one has to face if found indulge

in any kind of drug-abuse and drug peddling. He suggested the students to be away from use of drugs and be the whistle-blower if they see any person enforcing them or other into this dirt. He urged all the students to come forward and extend support to combat drug abuse.



FIRE FIGHTING MOCK-DRILL

March 30, 2019

A Mock Fire Drill was organized by Laboratory Safety Committee (Dr. Sudhir Syal, Dr. Rahul Shrivastava and Dr. Gopal Singh Bisht) of the Department of Biotechnology and Bioinformatics on Saturday 30 March 2019. Shri Jai Singh ji along with his team conducted the drill. Shri Jai Singh apprised the participants of the potential hazards related to fire safety, safety precautions, and types of fire incidence that one should be aware of, for efficient fire management. Participants were acquainted with basic fire safety training including use of firefighting equipments, way to assembly area, emergency contact numbers, fire emergency

plan and the emergency escape routes. The talk and discussion was followed by a practical demonstration on the use of various fire extinguishers and control of various fire types. This was a mandatory event for all PhD scholars and Lab Staff of the department, along with faculty to make them equipped with necessary information and hands-on-training. The required support for execution of the drill was provided by the JUIT administration, and Mr. Ismail Siddiqui.

The University also decided to celebrate 'Agni Suraksha Saptah' from 14th April to 20th April 2019 in the campus.



AGNI SURAKSHA SAPTAH					
FIRE SAFETY WEEK 14 APRIL TO 20TH APRIL 2019					
SR. NO.	DATE	TIME	VENU	SUBJECT	PARTICIPANTS
1	14-04-2019	1000hrs	JUIT WARKNAGHAT	Fire Safety Banner Display	Jai Singh
2	15-04-2019	1000hrs	Mugal Garden	History / Background Fire Safety Week.Oath & Safety Poem	VC, Teaching & Non-Teaching Staff and Student 1. Teaching and Non-Teaching Staff=20 2. Student=20 3. Admin & Sports Staff=06 4. JIMS Security & Swift Security=10 5. House Keeping Staff=05 6. Annapurna Staff=08 7. Accounts Staff=04 8. Store & Purchase=02 9. Maintenance & Contractor=15 10. Horticulture=03 11. Electrical=04 12. Dispensary=02
3	16-04-2019	1100hrs	In Front of H-14 Azad Bhawan	Fire Mock Drill Practice by All Fire safety team	1. Fire Fighting Team SI 01+04 Security Guard 2. Fire isolation team Jr. Coordinator Manjeet Kumar + 4 Mess Staff 3. Fire Salvage Team Swift Supervisor + 4 Security Guard 4. Technical Team Contractor Duli Chand + 4 staff 5. Medical First Aid Team Nursing Assistant , Dasa Ram + 2 with Ambulance & stretcher

Learning Resource Centre

VISIT OF LIBRARY PROFESSIONALS OF HIMACHAL PRADESH AT JUIT CAMPUS

April 21, 2019 (SUNDAY)

A visit of some members of Himachal Pradesh Library Association was taken place on 21st April 2019 (Sunday) at the JUIT Campus. Prof. A S Chandel, UGC Emeritus Fellow and a member of advisory board of the National Library of India, Dr. Prem Chand, Secretary and Librarian of Indian Institute of Advanced Studies, Shimla, Sh. Sudhir Gupta from Y S Parmar University, Nauni, Asstt Librarian of HP National Law

University, Shimla and many other library professionals from nearby colleges were among the visitors. They visited the library and interacted with library staff on various issues pertaining to library system of the JUIT. They also conducted a meeting to finalize the by-laws of Himachal Pradesh Library Association which is expected to get registered soon under the HP Societies Registration Act, 2006.



Visit at JUIT

BY STUDENTS OF LORETO CONVENT SCHOOL (TARA HALL)

May 31, 2019

An exposure visit of class XI and XII students of Loreto Convent School Tara Hall was organized on May 31st 2019 to Jaypee University of Information Technology, Waknaghat. With the guidance of Sister Nirmala – Principal Tara Hall School, 110 students along with two teachers – Dr. Anu Gupta and Mrs. Priyanka Nag visited the Jaypee University Campus. The exposure visit was coordinated by the Prof. Sudhir Kumar of Jaypee University.

All the Students were guided by research scholars to the respective laboratories for demonstration and interaction with the resource persons of department of Biotechnology & Bioinformatics, Electronics and Communication Engineering, Computers, Civil Engineering, Physics and Material Science. The

students were given an insight about the advances in the field of genomics, bioinformatics, infectious diseases, tissue culture, waste management, robotics, IT and construction technologies. Students have shown keen interest by asking valuable questions during the interaction.

This exposure visits helped the students to understand the ongoing research activities in Jaypee University. These visits provide awareness about variety of fields in science and engineering and make the students capable for decision making for their career. These visits are a continuous feature of the Jaypee University under their Education and Public Outreach Program.



Educational Tour

VISIT TO CSIR-INSTITUTE OF HIMALAYAN BIO-RESOURCE TECHNOLOGY, PALAMPUR

April 16, 2019

Students of 3rd year Biotechnology and Bioinformatics visited to Institute of Himalyan Bio-resource Technology and Himachal Pradesh Agricultural University KV Palampur in month of April 2019. On the first day, students interacted with various scientists in “Division of Biotechnology”, and got an exposure of cutting edge molecular biology technologies in biotechnology. A brief introductory lecture related to the mandate of the institute and medicinal product large scale production was

delivered by Dr. Girish Nadda. Major labs visited: Nanobiology Lab, Nutraceuticals lab, Mass spectrometry facility, Natural product chemistry and Process Development division etc.

Students visited to Himachal Pradesh Krishi Vishvavidyalaya, Palampur on 17th April 2019 and got information related to biotechnology methods in modern day agriculture for production of various valuable plants.



Gender Champion Club Celebrated
INTERNATIONAL WOMEN'S DAY
March 8, 2019

On 08th March 2019, the Gender Champion Club of JUIT celebrated the 'International Women's Day' (under the guidelines of UGC for Gender Champions Club in Educational Institutions). Dr. Anupriya Kaur (HOD-HSS) and all the faculty members of Gender Champions Club participated in a silent march. The speech was delivered & inspirational documentary was shown along with quiz competition among the audience.



Training on

WORKING OF BIOGAS REACTOR

at Govt. Sr. Sec. School, Burmana, Bilaspur, H.P.

April 8, 2019

The Centre of Excellence in Sustainable Technologies for Rural Development (CESTRD), Department of Biotechnology and Bioinformatics, JUIT conducted a training session on “Working of Biogas Reactor”. The reactor was previously installed in the school. Mr. Karam Dass – project associate of the CESTRD explained the working and use of biogas reactor to students, teaching, and non-teaching staff. The biogas reactor uses kitchen

waste of the school and gas is supplied to their kitchen to prepare mid day meal for students. This will reduce the expenses of LPG for school and also provide knowledge to students regarding Waste to Energy Technologies. On this day, a MOU was also signed by the school Principal ensuring its proper care and use. This project is under the guidance of Dr. Sudhir Kumar and Dr. Ashish Kumar.



Centre of Excellence in

Sustainable Technologies for Rural Development Activities

MAINTENANCE OF BIOGAS REACTOR

Installed in Govt Primary School, Pooghat, Solan

March 6, 2019

It is our pleasure to promote our traditional sources of energy in the Himachal Pradesh. Anaerobic digestion for the generation of biogas is such a practice used in the rural area. In the way to promote renewable energy resources in the Himachal Pradesh, we installed the biogas reactor of 1500 Litre capacity at Govt. Primary School Pooghat under HIMCOSTE project (Prof. Sudhir Syal and Prof. Ashish Kumar). For Feedback from the stake holders and maintenance of the reactor, our technical person Mr. Karm Dass visited the school on 06



March, 2019. The reactor is running successfully on school food waste to generate biogas that is being utilized in school kitchen. The school Principal and staff provided good feedback and the reactor is functional since past 2 years. The samples were collected for further analysis.

Rural Farming Practices

DEVELOPMENT OF VERMICOMPOST FOR HORTICULTURE WING OF JUIT

June 1, 2019

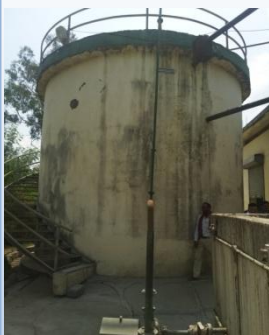
Vermicompost is organic manure and we prepare it at JUIT using *Eudrilus eugeniae* species of earthworm. Vermicompost possesses readily available nutrients and growth enhancing substances. Vermicompost is an important aspect of organic farming and leads to way to sustainable development in rural farming practices.

We are using cow dung and agricultural residue to prepare the vermicompost. A batch of vermicompost (35-40 kg) was prepared and handed over to the horticulture wing of JUIT on 01 June, 2019.



Monitoring of Biogas Reactor of JAYPEE REWA CEMENT UNIT, REWA, M.P.

June 19 – 20, 2019



Prof. Sudhir Kumar and Prof. Ashish Kumar visited Rewa Cement Reactor, M.P. (19-20 June, 2019) to monitor the working of Biogas reactor of Rewa Cement Reactor, M.P.

The existing biogas reactor near Annapurna of Rewa Cement Reactor was working fine providing biogas equivalent to one LPG commercial cylinder per day utilizing 300 kg of food waste along with 200 kg of cow dung. The Rewa biogas reactor is having a capacity of 80m³. The existing capacity of the reactor may accommodate up to 1500 kg of wet biodegradable waste per day (food waste plus cow dung). The JUIT team of scientists recommended that the existing biogas reactor of Rewa is a state of art reactor working since last 09 years. The data is properly collected and maintained in the log book by the operator. The reactor loading capacity may be increased to 1500 kg per day consisting of 1000 kg food waste and 500 kg of cow dung. This will provide an OLR of 2.12 gmVS/litre/day. The addition of cow dung is necessary to maintain the alkalinity and also improves the microbial activity. This will generate biogas equivalent to 2 commercial LPG cylinders per day.

PH.D. SNAPSHOT

Following Research Scholars completed Ph.D. during March to June 2019:

	Nutan (126552), Research Scholar of Biotechnology, completed Ph.D on 'IDENTIFICATION AND CHARECTERIZATION OF MAJOR CAUSATIVE BACTERIAL AGENTS OF DIARRHEA FROM REGIONS OF HIMACHAL PRADESH' under the supervision of Dr. Jitendraa Vashistt.
	Sampan (146553), Research Scholar of Biotechnology, completed Ph.D on 'BIO-ACCESSIBILITY OF POLYPHENOLS FROM SEABUCKTHORN BERRIES JUICE USING SIMULATED GUT MODEL' under the supervision of Dr. Gunjan Goel.
	Rohit Sharma (146951), Research Scholar of Physics and Materials Science, completed Ph.D on 'STRUCTURAL, MORPHOLOGICAL AND MAGNETIC STUDIES OF TRANSITION METAL DOPED Mg-Zn FERRITES' under the supervision of Dr. Vineet Sharma.
	Prashant Thakur (146952), Research Scholar of Physics and Materials Science completed Ph.D on 'SUPERPARAMAGNETIC LANTHANIDE (La ³⁺ , Gd ³⁺ , Nd ³⁺) DOPED Mn-Zn FERRITE NANOPARTICLES: EFFECT OF DOPED CONTENT' under the supervision of Dr. Pankaj Sharma.
	Sanjay Singh (136556), Research Scholar, Department of Biotechnology, completed Ph.D. on 'IDENTIFICATION OF DELETERIOUS nsSNPs IN CELL CYCLE REGULATORY GENE E2F1 AND THEIR ROLE IN SUSCEPTIBILITY TO COMMON CANCERS IN HIMACHAL PRADESH POPULATION' under the supervision of Dr. Harish Changotra.
	Vineet Mehta (136755), Research Scholar in the area of Pharmacy, completed Ph.D. on 'INVESTIGATION OF THE EFFECT OF QUERCETIN ON NEUROLOGICAL ALTERATIONS DURING TYPE 2 DIABETES MELLITUS IN SWISS ALBINO MICE' under the supervision of Dr. M Udayabanu.
	Jabir Ali (126206), Research Scholar of CSE, completed Ph.D on 'ROBUST AND IMPERCEPTIBLE COPYRIGHT PROTECTION FOR DIGITAL VIDEOS IN TRANSFORM DOMAIN' under the Supervision of Prof. Satya Prakash Ghrera.
	Pratiksha Gautam (136206), Research Scholar of CSE, completed Ph.D on 'INTENSIFICATION OF SOFTWARE SECURITY USING SECURE OBFUSCATION WITH INJECTING AND DETECTING CODE CLONES' under the Supervision of Dr. Hemraj Saini.
	Dinesh Kumar (126201), Research Scholar of CSE, completed Ph.D on 'ON PERFORMANCE OF MODIFIED TORUS INTERCONNECTION NETWORKS' under the Supervision of Dr. Vivek Kumar Sehgal.
	Aastha Modgil (136216), Research Scholar of CSE, completed Ph.D on 'FINDING ENERGY SUSTAINABLE TECHNIQUES FOR COMPUTER MEMORY' under the Supervision of Dr. Vivek Kumar Sehgal.

Intellectual Capital

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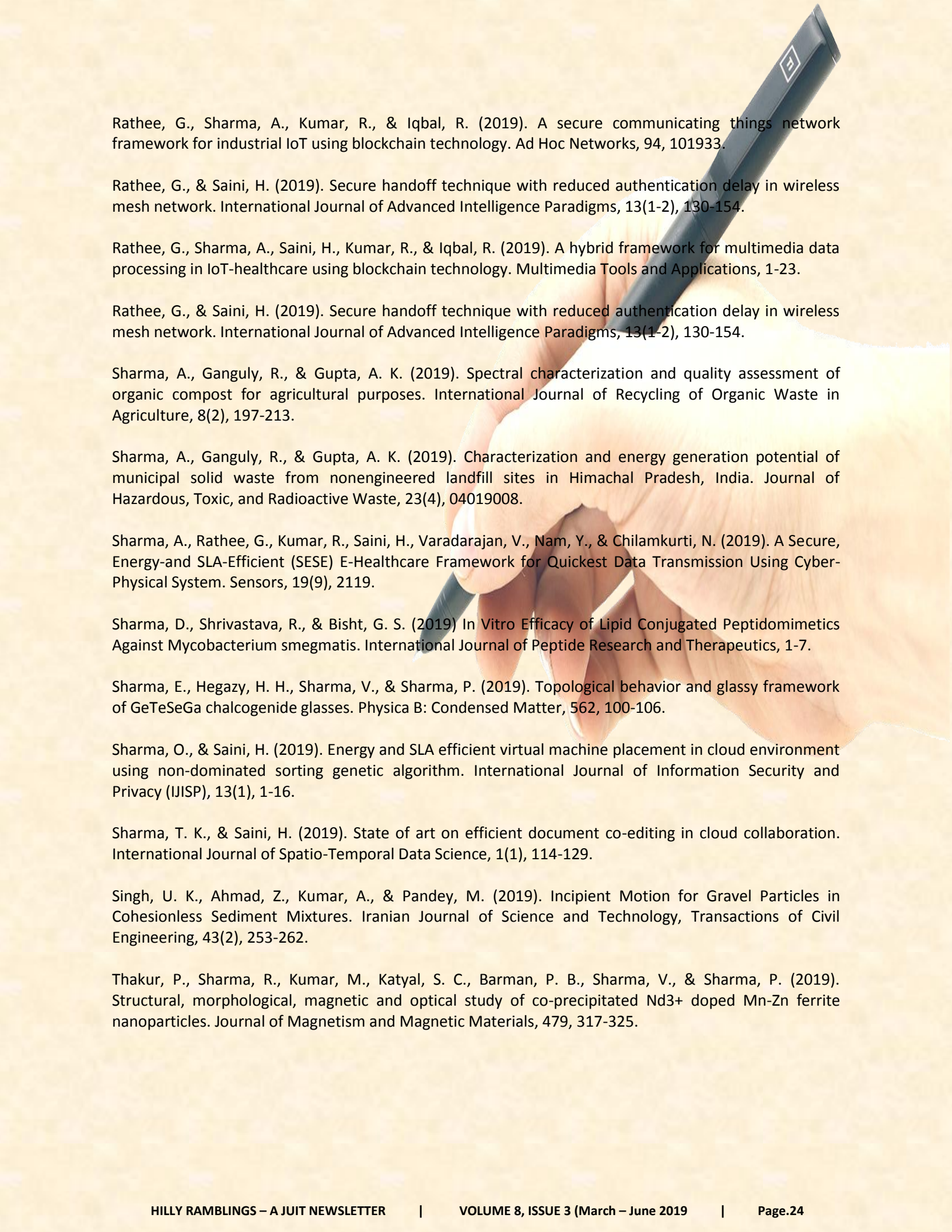
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सेंट बीड्स में जैव सूचना विज्ञान पर व्याख्यान

दिव्य हिमाचल ब्यूरो-सोलाह

राष्ट्रीय विज्ञान दिवस के अवसर पर शिमला के सेंट बीड्स कॉलेज में जेपी विश्वविद्यालय के सूचना प्रौद्योगिकी, वाकनाघाट, सोलन से एक टीम द्वारा कार्यशाला का आयोजन किया गया था। टीम का नेतृत्व प्रो. सुधीर कुमार, एचओडी, जैव प्रौद्योगिकी विभाग और जैव सूचना विज्ञान विभाग ने किया। इसमें डा. तीर्थ राज सिंह, डा. राहुल श्रीवास्तव, डा. हेमंत सुंद और बांटी और बीआई विभाग के डा. जेट शंकर शामिल हैं। भौतिकी विभाग से डा. पंकज शर्मा, डा. रागिनी राज सिंह और डा. संजीव तिवारी भी शामिल रहे। कार्यक्रम को सफलतापूर्वक आयोजन किया गया।

जेपी यूनिवर्सिटी में 104 छात्रों को टिप्स

दिव्य हिमाचल ब्यूरो-सोलाह

जेपी यूनिवर्सिटी के जैव प्रौद्योगिकी विभाग और जैव सूचना विज्ञान विभाग द्वारा डिजिटल कलेज सोलन के बीएससी (मैट्रिकल) ऑनम के बारे में 104 छात्रों के लिए कार्यशाला का आयोजन किया गया। इसमें डॉ. तीर्थ राज सिंह, डॉ. राहुल श्रीवास्तव, डॉ. हेमंत सुंद और बांटी और बीआई विभाग के डॉ. जेट शंकर शामिल हैं। कार्यक्रम को सफलतापूर्वक आयोजन किया गया।



बीआई ने 5 यूजनेबल में इन्फोर्मेटिक्स पर जानकारी दी। डॉ. जेट शंकर एग्जिस्टिंग प्रोफेसर (बीटी एंड बीआई) ने आणविक तकनीकों के बारे में जानकारी दी। डॉ. हेमंत सुंद एग्जिस्टिंग प्रोफेसर (बीटी एंड बीआई) ने सूचना प्रौद्योगिकी के बारे में जानकारी दी। डॉ. राहुल श्रीवास्तव, डॉ. तीर्थ राज सिंह, डॉ. पंकज शर्मा, डॉ. रागिनी राज सिंह और डॉ. संजीव तिवारी ने भी जानकारी दी। कार्यक्रम को सफलतापूर्वक आयोजन किया गया।

संजौली कॉलेज में बायोसाइंस विभाग ने किया कार्यशाला का आयोजन

संजौली कॉलेज के बायोसाइंस विभाग और जेपी विश्वविद्यालय के बायोइंफार्मेटिक्स विभाग के साथ मिलकर शनिवार को कार्यशाला का आयोजन किया गया। संजौली कॉलेज के प्राचार्य डॉ. सीबी मेहता ने मुख्यताथि के रूप में शिरकत कर कार्यशाला का शुभारंभ किया। उन्होंने कहा कि हर छात्र कॉलेज में आयोजित की जाने वाली इस तरह की शैक्षणिक गतिविधियों में हर हाल में हिस्सा लें। इससे उनका ज्ञान बढ़ेगा और विषय को लेकर समझ बढ़ती है। उन्होंने कहा कि बायोटेक्नोलॉजी क्षेत्र में भागेदारी बढ़ेगी और छात्र शैक्षणिक कार्य कर समाज तथा राष्ट्रहित के लिए नई-नई तकनीकों को विकसित कर सकते हैं। कार्यशाला में जेपी यूनिवर्सिटी के प्रो. सुधीर कुमार, डॉ. अनिलकांत ठाकुर, डॉ. राहुल श्रीवास्तव, डॉ. रघु पुन-चेन्ना माली ने बायो गैस रिफायनर, पीसी आई और माइक्रोब्योलॉजी का डेमोस्ट्रेशन भी दिया। कार्यशाला में छात्र-छात्राओं को टिप्स कल्चर, एंटीबायोटिक और डायग्नोस्टिक तकनीकों के बारे में जानकारी दी। ब्यूरो

जेपी विवि वाकनाघाट में 60 कि...



सोलन। जेपी विश्वविद्यालय वाकनाघाट द्वारा प्रदेश भर के किसानों के लिए टमाटर में लगने वाले रोगों व कटने बारे एक कार्यशाला आयोजित की गई। डा.मीनाक्षी सुंद और डा.पीके सिंह के प्रोजेक्ट पर आधारित प्रदेश पर्यावरण, विज्ञान और प्रौद्योगिकी विभाग के सहित्य से आयोजन किया गया। कार्यशाला डा. गो जेपी विवि के उन्नत भारत अभियान द्वारा किया गया था। कार्यशाला में छात्रा, विद्या, रिजना, देहाली, और बांटी की विभिन्न पंचायतों के लगभग 60 किसान लाभान्वित हुए। कुलपति प्रो. डा. त्रिलोक चंद ने कार्यक्रम का उद्घाटन भाषण दिया। रिसेसर्स एसन डा. भान निरंजन सिंह, साहित्यिक विभाग के प्राचार्य डॉ. लार्मी को साइ

जेपी यूनिवर्सिटी में प्लगशाप इवेंट

वाकनाघाट में आईईईई छात्रों के लिए हुआ समारोह का आयोजन, कार्यक्रम में 150 छात्रों ने लिया भाग



जेपी यूनिवर्सिटी ऑफ इंफोर्मेशन टेक्नोलॉजी वाकनाघाट में आईईईई छात्रों के लिए प्लगशाप इवेंट का आयोजन किया। कार्यक्रम 19 अक्टूबर 2019 से 21 अक्टूबर 2019 तक जैव वाकनाघाट, डी. पेंगोरी सुंद और डॉ. सीमा कुमारी द्वारा आयोजित किया गया। कार्यक्रम में 150 छात्रों ने भाग लिया। कार्यक्रम में छात्रों को प्लगशाप के बारे में जानकारी दी गई। कार्यक्रम को सफलतापूर्वक आयोजन किया गया।

सर्वाधिक सम्मानों से विद्यार्थियों के लिए प्रोत्साहन और प्रोत्साहन के लिए प्रोत्साहन प्रदान किया गया। कार्यक्रम में छात्रों को प्लगशाप के बारे में जानकारी दी गई। कार्यक्रम को सफलतापूर्वक आयोजन किया गया।

जेपी विवि में लिटरेरी फेस्ट का शुभारंभ



वाकनाघाट में पहला लिटरेरी फेस्ट अफ़ाज का आयोजन, छात्रों को नेशनल कंटेंट इश्यूस को समझने का मिला बेहतरिन मोका

जेपी यूनिवर्सिटी में सांख्यिकी पर बांटी जानकारी



जेपी यूनिवर्सिटी ऑफ इंफोर्मेशन टेक्नोलॉजी वाकनाघाट में सांख्यिकी पर बांटी जानकारी का आयोजन किया गया। कार्यक्रम में छात्रों को सांख्यिकी के बारे में जानकारी दी गई। कार्यक्रम को सफलतापूर्वक आयोजन किया गया।

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