

A Newsletter of JUIT

HILLY RAMBLINGS

VOLUME 8 | ISSUE 1 | (JUL – OCT 2018)



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Jaypee University of Information Technology

Waknaghat, P.O. Waknaghat

Teh. Kandaghat, Distt. Solan

Himachal Pradesh – 173234 (INDIA)

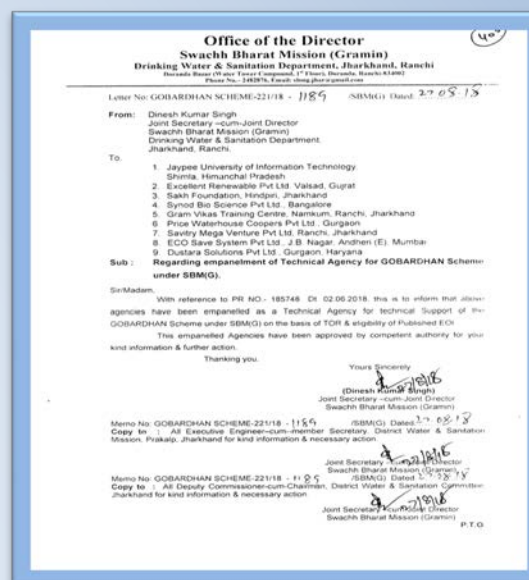
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Suggestions and comments may kindly be sent to
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JUIT EMPANELLED FOR EXTENDING TECHNICAL SUPPORT UNDER GOBARDHAN SCHEME

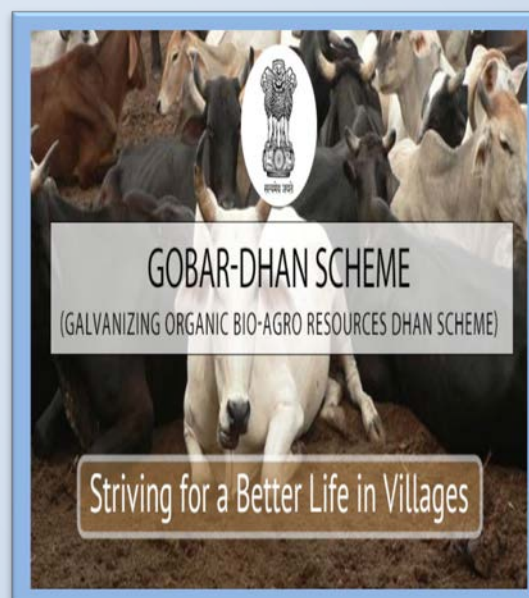
TECHNICAL SUPPORT TO GOVT. OF JHARKHAND

The Drinking Water & Sanitation Department, Government of Jharkhand empanelled the Jaypee University of Information Technology as one of the technical agency to extend technical support in Gobardhan Scheme of the State.



TECHNICAL SUPPORT TO GOVT. OF HIMACHAL PRADESH

Rural Development Department of Govt of Himachal Pradesh also empanelled JUIT as technical agency to provide technical support under the GOBAR-DHAN Scheme.



PATENT GRANTED

A patent is granted to JUIT against number 302295 on 22nd October 2018 for an invention entitled 'An improved process of conversion of Lantadene A and B to reduced Lantadene A and B'. The patent filed on 4th October 2011 as application no. 2867/DEL/2011. The inventors are Dr. Manu Sharma and SS Sharma from the Department of BT and BI of the University.



MOU RENEWED

1. The MOU with G.K. Skryabin Institute of Biochemistry and Physiology of Microorganisms of Russian Academy of Sciences is renewed for another five years.
2. The MOU between JUIT and South Dakota School of Mines and Technology, USA is also renewed for another five years.



INDUCTION ORIENTATION FOR STUDENTS

17th – 31th July 2018

As per the directives of the UGC implemented through AICTE, the JUIT conducted a two weeks induction orientation programme for First Year Batch w.e.f. 17 July 2018 to 31 July 2018. The aim of this programme was to enable, students fresh from school life, to settle down into University life. Towards this end the structure of the programme primarily focussed on motivational talks, physical activities and campus awareness activities. All registered students (about 373) were divided in six groups and Four faculty members were nominated as group coordinators for each group, the senior most faculty member amongst them were nominated as Group Incharge.



All physical activities such as sports, yoga, nature walks, campus awareness walks were conducted early morning from 6:30 a.m to 7:30 a.m. Almost every day one guest speaker/in-house faculty/staff conducted lecture-cum presentation before and/or after lunch. The remaining time was utilised for visit to



departmental labs, visit to library, NAD and Biometric registration, completion of documentation etc. The detailed two weeks time table was complied and circulated among all six groups to minimize any hassle with respect to arranged activities. In order to ensure that all students participating in the Induction Programme attend the scheduled activities, it was ensured that atleast one of the faculty coordinators is accompanying the group for the activity. Even activities outside the campus such as visit to Indian Institute of Advanced Studies in Shimla, trek to Tara Devi and Unnat Bharat Abhiyan activities had a sizeable involvement of both faculty and non



teaching staff. At the end of orientation programme a feedback of all talks-cum-presentations and the various activities conducted was taken from each student. It was evident from the feedback and presentations that the programme had achieved its objectives and was very well received by the students.



INDUCTION ORIENTATION FOR NEW FACULTY MEMBERS

06th – 11th August 2018

new Teacher ORIENTATION PROGRAM

A one week Orientation Induction Programme for New Faculty (Joined since July 2016) was conducted from 06 August 2018 to 11 August 2018 as per the following schedule:

06 AUGUST 2018 (MONDAY)

Briefing by Director & Academic Head on JUIT Ordinances & Regulations (4:00 P.M. TO 5:00 P.M.)

07 AUGUST 2018 (TUESDAY)

Briefing by COE on Examination System (4:00 P.M. to 4:30 P.M.)

Briefing by Dr. Shruti Jain on Time Table Nuances and Add/Drop of subjects (4:30 P.M. to 5:00 P.M.)

08 AUGUST 2018 (WEDNESDAY)

Briefing by Registrar on status of JUIT, Regulatory Bodies visits, Committees of JUIT and Accommodation Policy (4:00 P.M. to 4:30 P.M.)

Briefing by Dr. Suresh Kumar on LRC (4:30 P.M. to 5:00 P.M.)

09 AUGUST 2018 (THURSDAY)

Briefing by Chief Warden on Hostels and issues of hostellers involving faculty (4:00 P.M. to 4:30 P.M.)

Briefing by Accounts Officer (4:30 P.M. to 5:00 P.M.)

10 AUGUST 2018 (FRIDAY)

Briefing by HR Manager on HR Issues (4:00 P.M. to 4:30 P.M.)

Briefing by Sports Coordinator on Sports & Gym facilities and their utilisation (4:30 P.M. to 5:00 P.M.)

11 AUGUST 2018 (SATURDAY)

Briefing by Mr. Akhilesh on Admin. Resources (12:00 P.M. to 12:30 P.M.)

Talk by Vice Chancellor on JUIT (12:30 P.M. to 1:00 P.M.)

CHANGE STARTS WITH YOU

The programme was conducted by under the coordination of Prof. M J Nigam, Head, Department of Electronics and Communication Engineering.

SYMPOSIUM ON RECENT TRENDS IN CIVIL ENGINEERING TOWARDS SUSTAINABLE ENVIRONMENT 16th – 17th October 2018



The department of Civil Engineering in collaboration with CEC organized a two day Symposium on 'Recent Trends in Civil Engineering towards Sustainable Environment', on 16-17 October 2018.

The event was also attended by government officials from Public works department (P.W.D) and Irrigation and Public Health (I.P.H) department of Himachal Pradesh and Haryana who had officially registered for this symposium.



The symposium included guest lecturers from Prof. V K Sehgal (Former Prof. NIT Kurukshetra) and Prof. G.D. Ransinchung R.N. (Associate Prof. IIT Roorkee) along with presentations on various topics from the faculty members of civil

M.Tech, B.Tech, and PhD students of civil had also registered for the symposium in large numbers and attended the symposium with enthusiasm and interest.



SEMINAR ON

INNOVATION AND ENTREPRENEURSHIP IN THE FIELD OF RENEWABLE ENERGY

29th October 2018

A one-day seminar on innovation and entrepreneurship in the sector of renewable energy was jointly organized by Centre for Sustainable Technologies for Rural Development, Department of Biotechnology and Bioinformatics, TIEDC and PHD Chamber of Commerce and Industries. It was held on 29th October 2018 at 2 pm at JUIT, Wagnaghat. More than 150 people including faculty, staff and students attended the seminar. Everybody from the audience got to know about new information about renewable energy, specifically solar energy. The session was interactive and had prominent speakers on the occasion:

1. Mr. Anil Saunkhla Deputy Resident Director, PHDCCI - He delivered a talk on renewable energy regarding conservation of resources.
2. Mr. Divyanshu HARTEK Group - He delivered an expert talk on various types of solar energy generators; and real implementation of solar energy uses for households.
3. Mr. Sanjeev Kumar Gautam (Add. Sup. Engineer, HIMURJA) and
4. Mr. Vineet Sood, Senior Project Officer, HIMURJA - presented about various constructive efforts to promote renewable energy programs in Himachal Pradesh.



WORKSHOP ON

RECENT RESEARCH TRENDS USING MATLAB

12th September 2018



Department of Electronics and Communication Engineering organized a workshop on 'Recent Research Trends using MATLAB'. The program was scheduled on September 12th 2018 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wazirpur, Solan, H.P.

Dr. Shruti Jain, Dr. Shweta Pandit and Dr. Nishant Jain were the Coordinators of the program. The program was started with the welcome speech by Prof. M. J. Nigam, HOD, ECE. Thereafter Mr. Mahmooduz Zafar and Mr. Kaleem Zafar discussed various new toolboxes

which are available only in new version of MATLAB. Mr. Mahmooduz Zafar started his presentation with the introduction of new tools in MATLAB & Simulink. He presented some example of mathematical modelling with MATLAB. In post lunch session, he discusses various toolboxes related to Wireless Communication, Antenna, Signal and Image Processing, Machine Learning, Vision System and many more. More than 30 participants including Faculty Members, Lab Staff and Research Scholars were participated in this workshop.



SHORT TERM COURSE (STC) ON

ARTIFICIAL NEURAL NETWORK AND FUZZY LOGIC THROUGH ICT

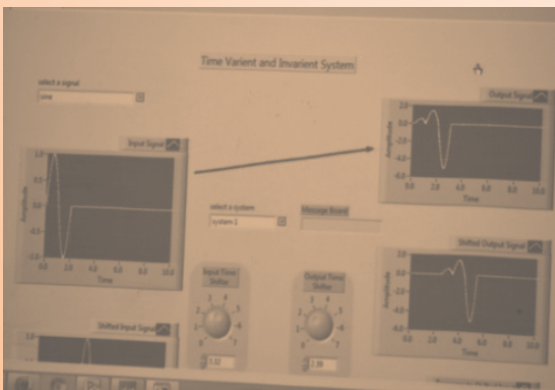
23rd – 27th July 2018

Jaypee University of Information Technology, Waknaghat had been designated as one of the remote center to conduct the Short Term Course (STC) on 'Artificial Neural Network and Fuzzy Logic through ICT' from 23.07.2018 to 27.07.2018 in association with NITTTR, Chandigarh.

The STC was locally coordinated by Dr. Hemraj Saini, Associate Professor, Department of Computer Science and Engineering and at the National level the STC was supervised by the Overall Course Coordinator – Dr. Maitreyee Dutta, Professor & Head, Department of Computer Science and Engineering, NITTTR, Chandigarh.

In the STC total fifteen (14) Sessions were delivered from NITTTR Chandigarh in ICT mode. Following Faculty/Experts were involved to deliver the presentations or practical exposures of the related topics to the theme-

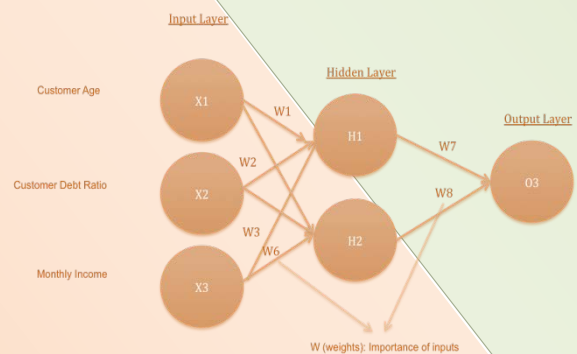
- MD- Dr. Maitreyee Dutta, Professor & Head, Department of CSE, NITTTR, Chandigarh



e-Learning 6-7691111111

- SA- Dr. Sunil Aggarwal, Professor, ECE Department, UIET Chandigarh
- HKS- Dr. H.K Sardana, Chief Scientist, CSIO, Chandigarh
- SSS- Dr. Satvir Singh Sidhu, Associate Professor, IKGPTU Campus
- GK- Dr. Gaurav Kumar, Director, Magma Research and Consultancy Services
- LM.- Dr. Lini Methew, Associate Professor & Head, NITTTR, Chandigarh

At remote center (JUIT) 46 registrations were sought and out of these 22 participants were regular and successfully completed the STC.



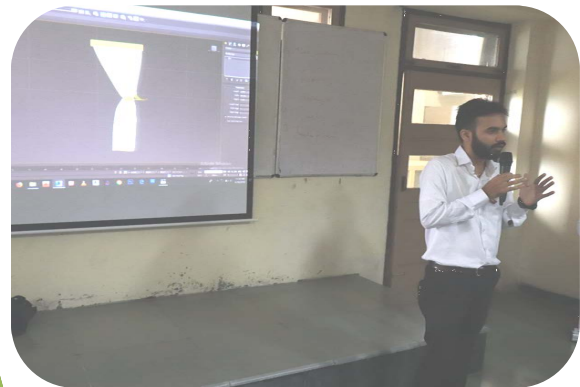
CEC EVENT

SEMINAR CUM WORKSHOP

10th August 2018

Civil Engineering Consortium (CEC) has successfully organized a "SEMINAR CUM WORKSHOP" conducted by experts from AUTODESK on 10th Aug, 2018 in CR-14 which was attended by 90 students. In this seminar experts from Autodesk discussed about

- Company Profile
- Various Autodesk Softwares
- Importance of Civil Engineering related Softwares
- Civil Market Trends
- Their applications in real world
- Value of the certification



TIEDC EVENT

'STARTUPWEEKEND' POWERED BY GOOGLE

14th – 16th September 2018



An event named “Startup Weekend Solan” powered by Google was organized by Technology Incubation and Entrepreneurship Development cell (TIEDC) of Jaypee University of Information Technology from September 14 to 16, 2018. The Startup Weekend, a 54-hour marathon event, brings together motivated individuals for pitching new ideas (one-minute presentations), team building, product development, customer development, and business planning.

From Google Mr. Anurag Maloo, Regional Manager, South and Central Asia, Techstars was present during the event and motivated the participants. In the events 73 participants participated and presented their ideas. 7 expert coaches joined the event to



provide participants mentoring and advice on technology and business.

The mentors are as:

- **Mr. Shivam Gupta (Co-CEO Azuratech).**
- **Mr. Sahil Sethi, Bio Information and Data Engineer at Pine Biotech,**



- **Dr. Hemant Sood, Associate Professor, Dept. of BT & BI, JUIT**
- **Mr. Preetdeep Singh, Associate President, Ernst and Young**
- **Mr. Saugat Dutta, Project Manager, Ernst and Young**
- **Mr. Jagrit Gupta, CO Funder, Subhe**
- **Mr. Vivek Rathor, CO Funder, Subhe**

Ms. Deepika Khatri, Deputy Director, Department of Industries HP, Mr. Param Kalra (Startup hub nation), Prof. Ashish Kumar (Chairman, TIEDC, JUIT), and Mr. Arijit Bhattacharaya, Founder and CEO of virtualinfo.com judged teams' ideas of the participants.



The Registrar of the university Major General (Retd) Rakesh Bassi and the Vice Chancellor Prof. Vinod Kumar gave a vote of thanks, and blessed the participants for better future. Everyone appeared relieved at the event completion party, but intense discussions



TIEDC EVENT

BOOTCAMP ON BUSINESS MODEL CANVAS

4th August 2018

Mr. Anuj Sharma, Founder, Localguy.in conducted the Bootcamp on "Business Model Canvas" in the TIED Cell from 4:30 pm to 6:30 pm on 4th August, 2018. He started by discussing how to plan out a business Idea so that it can be executed with a good plan in mind and a clear vision about the business. He interacted with the students by calling them to the front and making them talk about the problems they face in this regard. He picked up the example of his own startup "LocalGuy" and developed the business model canvas for it from scratch along with the students. He explained all the concepts in the process in good detail, taking care that it does not become boring for the students.

Towards the end he opened the floor for questions, which the participants actively asked and Mr. Anuj answered clearly. The students asked questions regarding the Startup Weekend which is being organized by the TIED Cell, JUIT



from 14th to 16th September. The students will be required to make a business model canvas for their business ideas there. Overall, it was a nice interactive session with the participants learning a lot about the business model canvas and how to approach their own business vision with clarity and methodically. It was great fun and learning experience for the participants.



WORKSHOP ON

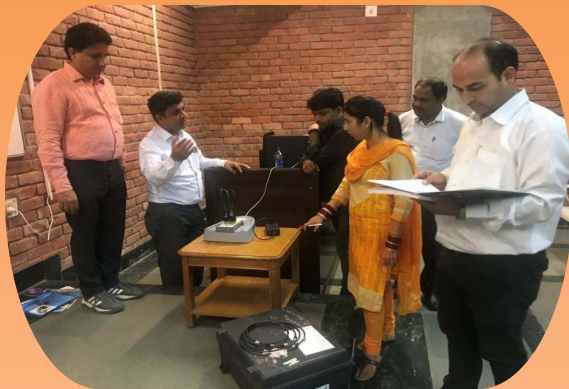
ADVANCE WIRELESS SYSTEMS

19th September 2018

A workshop on "Advance Wireless Systems" was organised on September 19th, 2018 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wanknaghat, Solan, H.P.

Dr. Shweta Pandit, Dr. Rajiv Kumar, Dr. Neeru Sharma, Mr. Alok Kumar and Mr. Pramod Kumar were the Coordinators of the program. This workshop was a step towards setting-up of wireless lab in the department. The workshop was started with the welcome speech by Prof. M.J. Nigam, HOD, ECE. Thereafter, Mr. Amit

Kumar Singh and Mr. Mukesh Bhardwaj presented and demonstrated WiCOMM-T kit which is SDR platform kit. Afterwards, "iCONSE-T (IoT based sensor network)" and "Comm Lab-T SDR platform" products were discussed. The present participants were interacted with the experts related to their queries about the presented products. In the post lunch session, the hands-on activity on the kit was performed by the participants. More than 30 participants including Faculty Members, Lab Staff and Research Scholars were participated in this workshop.



SUMMER TRAINING WORKSHOP

1st June 2018 – 14th July 2018

A six week Summer Training Workshop was organized by the Department of Biotechnology and Bioinformatics for students participating from All over India. The workshop provided lectures and rigorous Hands on Training to the students on various modules - Molecular Biology Techniques by Dr. Harish Changotra, Industrial Plant Tissue Culture by Dr. Hemant

Sood, Microbial Pathogens & Medical Genomics by Dr. Rahul Shrivastava, Industrial Biotechnology & Food Biotechnology by Dr. Gunjan Goel, Enzyme Technology by Dr. Saurabh Bansal. The Summer Training Workshop was coordinated by Dr. Rahul Shrivastava.



DIKSHA - 2018

24th August 2018

With the beginning of yet another session, it was a time to welcome a fresh batch at JUIT. And to welcome the Freshers, Diksha 2k18 - A Freshers' Night was organised in the Auditorium on 24th August 2018. The auditorium was filled with colours and hundreds of voices even before the event began. The event began with the welcoming of the guests and was followed by the traditional lamp lightening ceremony. The night saw a mixture of traditional and western dances, with various dance groups coming to the fore. Rhythm Twisters came up with a freestyle dance performance, and along with entertaining the audience, it also educated



the audience about the ill effects of drug addiction. With this standoff performance, the group won the best dance award in the western dance category. Apocalypse, another one of JUIT's most amazing dance groups, came up with a power packed hip-hop performance, along with good performances from DNR and F-



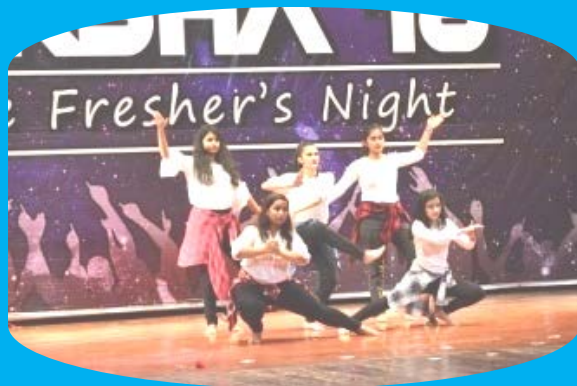
society. In the category of traditional dances, the night was graced with a performance of Himachali folk dance 'Natti' by Pakke Pahadiye, a choreography thoroughly enjoyed by the audience.

Also staged were a series of colourful and heart touching acts, ranging from a mime on freedom fighters by Young Thespians to a funny choreography on modern day dating by Stage Players. The mime showcasing the sacrifices of our brave freedom fighters, awakened a sense of patriotism. The modern day dating act was one that sent roars of laughter through the



audience. To select the Mr. and Ms. Fresher 2k18, two rounds of ramp walk were held, with freshers walking down the ramp in their best attires. The second round - question & answer round- led to the selection of the winners of the night. No function is complete without singing performances, and Diksha 2k18 witnessed many





solo and duet singing performances too. The last performance of the night was the Bhangra, which as Natti, sent an extreme energy wave throughout the auditorium as everybody began dancing. The United Bhangra Crew, for its



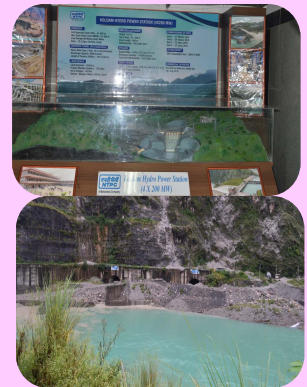
performance, won the best dance award in the traditional dance category. The announcement of the winners brought the function and JYC's tenure to a close and all sorts of new possibilities for the new batch.



INDUSTRIAL VISIT TO NTPC KOLDAM

22nd September 2018

The Civil Engineering Consortium (CEC) successfully organized an industrial visit to NTPC KOLDAM on 22nd Sep, 2018 under the guidance of Mr. Chander Shekhar (Manager HR), NTPC KOLDAM. The total number of students that went for the industrial visit were 60 along with two faculty members – Abhilash Shukla and Aakash Gupta.



CEC ORIENTATION PROGRAM

12th October 2018

An orientation program was organized by Civil Engineering Consortium (CEC) on 12th October, 2018 in LT-2 at 3pm onwards in which previous achievements of CEC, events and opportunities it offers to students were discussed under the guidance of CEC Faculty Coordinator Chandra Pal Gautam. The event enveloped general introduction of CEC, its objectives and vision. The Hon'ble Vice Chancellor Prof. Vinod Kumar, Director Academics Prof. Samir Dev Gupta and Registrar Maj. Gen (Retd.) Rakesh Bassi were also shared their insight about CEC.



OUTREACH ACTIVITY @

B L CENTRAL PUBLIC SENIOR SECONDARY SCHOOL, SOLAN

30th August 2018

On 30th August 2018, Dr Hemant Sood and Dr Saurabh Bansal went to B L Central Public Senior Secondary School, Solan for delivering lecture on 'future avenues and prospects of Biotechnology and Bioinformatics'. The students were informed about biotechnology and bioinformatics, the role of these sciences in research and development along with our day

to day life. The experts have interacted with teachers and 30 students of higher secondary section of the school. The students were shown with future prospects and many career options in these streams of sciences. Both the experts conveyed their gratitude to the Chairperson and Principal of the school for their support.



OUTREACH ACTIVITY (JUIT CAMPUS VISIT)

GOVT. COLLEGE SANJAULI STUDENT'S EDUCATIONAL TOUR TO JUIT

11th September 2018

On 11th September 2018, 47 B.Sc. final year students and Associate Professor Dr Anil Ranuat from Govt. College Sanjauli, Shimla visited Department of Biotechnology and Bioinformatics of JUIT. The students visited the departmental laboratories where they were informed about Plant and Animal tissue culture facilities and research projects. The students had received the overview of molecular techniques, biogas plant and advance equipments like HPLC, GC and Gene gun. They also attended the lecture delivered by Prof. A. S. Ahluwalia (P.N. Mehra Chair Professor) of Panjab University, Chandigarh. Dr Hemant Sood and Dr Anil Kant along with staff and students coordinated their campus tour.



OUTREACH ACTIVITY

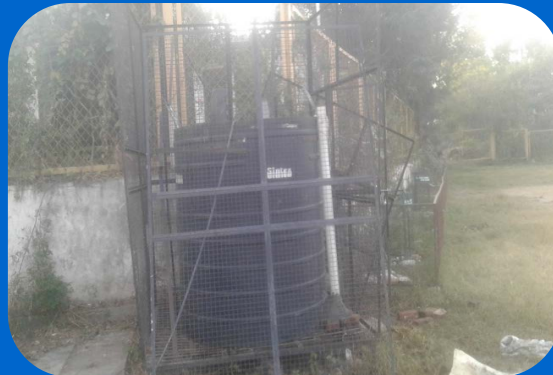
REINSTALLATION OF BIOGAS REACTOR AT GOVT. SENIOR SECONDARY SCHOOL, BARMANA, BILASPUR HIMACHAL PRADESH

31st October 2018

Anaerobic digestion of food waste produces biogas which is used for cooking or lightning. In the year 2013, the department of Bioinformatics and Biotechnology of JUIT had installed a biogas plant for the utilization of wastes for generating biogas in the Govt. Senior Secondary School Barmana, Distt. Bilaspur, Himachal Pradesh. This activity was sponsored by the Ministry of Rural Development, Himachal Pradesh.

Due to some construction related works. This active biogas plant got damaged. The school

principal requested for the reinstallation of reactor. The project associate Mr. Karam Dass visited the School and reinstalled the biogas reactor on 31st October 2018. He was supported by a team of teaching, non-teaching staff and students of the school. Further, he explained functions and working of reactor to the school authority. The repair work was sponsored through the Centre of Excellence in Sustainable Technologies for Rural Development, Department of BT and BI, JUIT.



OTHER ACTIVITIES

INSTALLATION OF BIOGAS REACTOR

10th October 2018

The Centre of Excellence in Sustainable Technologies for Rural Development established a biogas reactor for sweepers' families at JUIT. The centre extends gratitude to the JUIT authority for full financial support for its fabrication.

A biogas reactor of 3000 liters capacity was installed in F Block of JUIT; where the sweepers and their families reside. It was made operational on 10 October, 2018. The connection of the biogas is provided to 10 families (one week for each family based on lottery system) in the presence of Registrar Maj. Gen. Rakesh Bassi (Retd.).



CLUB ACTIVITIES

SLOGAN WRITING COMPETITION AND NUKKAD NATKA

29th October 2018

On 29th October 2018, First Event of Gender Champions Club –JUIT was organized, in which Slogan Writing Competition and Nukkad Natka was organized. It was held in the Dhyani Kaksh-JUIT at 4:30 PM.

Twelve teams participated in Slogan Writing Competition themed on gender equality, women empowerment, work place harassment, transgender issue and women education for innovation. Competition was judged by Dr. Neelkanth and Ms. Pragya Gupta.

Winners of the Competition:

Team VIII- 1st Position

- Diwakar Srivastav
- Aman Chaubey

- Sahil Sharma

Team VII- 2nd Position

- Sparsh
- Nishil
- Chivayushya

Special Mention

- Ishardeep Singh
- Aradhya Srivastava

Slogan Writing Competition was followed by a Nukkad Natak based on the theme of "Gender Biasness". Performance of Nukkad Natak was highly appreciated by audience and judges.



ANDROID APP DEVELOPMENT WORKSHOP

22nd September 2018

IEEE JUIT Student Branch organized a workshop in affiliation with CEPTA INFOTECH. PVT. LTD. on Android App Development. Around 115 students registered for the same and students were taught how to setup Android Studio and other tools on their respective computers and were briefed with its basics. The second session started with making a Voice- Automation App and using various sensors on a mobile phone.

The workshop was organised by Dr. Meenakshi Sood, Assistant Professor, Department of Electronics and Communication Engineering.



C PROGRAMMING WORKSHOP

27th August 2018

IEEE Student Branch the technical club of Jaypee University of Information Technology Waknaghat, conducted a two-day C Programming workshop for the first year students. As 'C' has become one of the widely used programming languages of all time. The workshop was held from 27th to 28th August. The entry fee for the workshop was free. IEEE JUIT student branch plans to conduct more such workshops on other important topics to provide extra knowledge regarding the various new and interesting applications.

The workshop was organised by Dr. Meenakshi Sood, Assistant Professor, Department of Electronics and Communication Engineering.



EXPERT TALK AND TRAINING SESSION

IEEE XPLORE DIGITAL LIBRARY – AWARENESS AND USE

11th August 2018

An expert talk and training session on 'IEEE Xplore Digital Library: Delivering Research Better Than Ever' was organized by IEEE Student Branch in collaboration with Learning Resource Center, Jaypee University of Information Technology, Waknaghat under the conveners Dr. Meenakshi Sood, Dr. Suresh Kumar and Mr. Vipin Sharma. The session was presided over by Mr. Ritesh IEEE Client Services, EBSCO Information Services and was attended by students of 3rd year, PHD scholars and faculty members of JUIT.

IEEE Xplore[®] Digital Library



PROF. JOACHIM WOLLSCHLÄGER OF OSNABRUCK UNIVERSITY, GERMANY AT JUIT



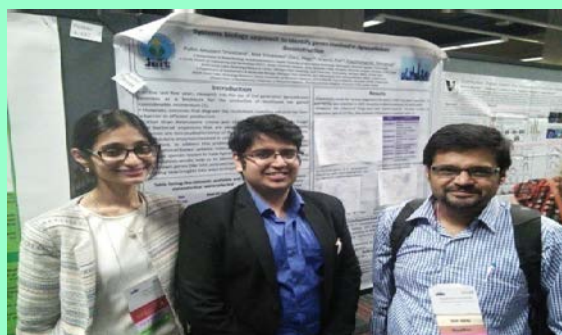
Dr. Rajesh Kumar (Dept of PMS, JUIT) initiated research collaboration with Prof. Joachim Wollschläger (Department of Physics, Osnabruck University, Osnabruck, Germany). This collaboration is based on the ongoing DST-DAAD project. Recently during 07-17 October 2018, the German collaborators visited the research laboratory of Dr. Rajesh Kumar at JUIT and jointly performed state-of-the-art research work.



BIOENERGY-AWARDS FOR CUTTING EDGE RESEARCH FELLOWSHIP TO DR. RAGOTHAMAN YENNAMALLI

Dr. Ragothaman Yennamalli, Assistant Professor, department of Biotechnology and Bioinformatics, JUIT was awarded the prestigious Bioenergy-Awards for Cutting Edge Research Fellowship to conduct collaborative research with Prof. Brian G. Fox at the Department of Biochemistry, University of Wisconsin-Madison in Madison, Wisconsin, USA for duration of three months (July – September 2018). Under this fellowship he worked on the industrially important enzyme Lytic Polysaccharide Monooxygenases using bioinformatics tools and techniques. He was

hosted in the lab of Prof. Brian G. Fox at UW-Madison and collaborated with Prof. Eric Hegg at the Michigan State University for the same. During the visit he met JUIT alumni Ms. Kritikka Kari and Mr. Sahil Sethi in ISMB 2018 conference, where he presented a poster. His interaction with the scientists and researchers at UW-Madison were fruitful and is continuing the collaboration back at JUIT.



SPOTLIGHT ON DR. RAGOTHAMAN YENNAMALLI BY NATURE COMMUNICATIONS BIOLOGY UNDER 'EARLY CAREER RESEARCHERS'

The 'Nature Communications Biology' editorial board did a profile of Dr. Ragothaman Yennamalli for their series on early career researchers. His profile can be accessed from <https://www.nature.com/articles/s42003-018-0146-z>



faculty SPOTLIGHT

PATENT FILED



The JUIT has filed another patent in the area of Electronics and Communication Engineering. Dr. Shruti Jain (Associate Professor, Department of Electronics and Communication Engineering) along with Raj Kumar Sharma had filed a patent on 'A Novel N-Bit Compressor Based High-Speed Multiplier Algorithm For Low Power Arithmetic Circuits'. The filed application no. TEMP/E-1/23170/2018-DEL.

'BHARATIYA EMINENCE AWARD' TO DR. RAJIV GANGULY



Dr. Rajiv Ganguly, Associate Professor, Department of Civil Engineering has received the Bharatiya Eminence Award in the category of distinguished scientist in Civil Engineering awarded by the S C Ray Educational Trust. The award consists of a bag, a medal, a certificate and a plaque.



'NATION BUILDER AWARD' TO DR. SHRUTI JAIN



Dr. Shruti Jain, Associate Professor, Department of Electronics and Communication Engineering was awarded with the 'Nation Builder Award' on the occasion of Teacher's Day / International Literary Day by Rotary Club Shimla on 5th September 2018.



FACULTY INVITED FOR GUEST LECTURES

	The Hon'ble Vice Chancellor Prof Vinod Kumar was invited as Chief Guest in Prize distribution function of Pine Grove School, Dharampur, Solan. 17 schools including BCS-Shimla, Lawrence - Sanawar, Mayo - Ajmer, Yadvindra-Patiala participated in bilingual debate competition on 2nd September 2018.
	Dr. Meenakshi Sood , Assistant Professor, Department of Electronics and Communication Engineering chaired a session in International Conference on Advanced Informatics for Computing Research (ICAICR-2018), Shimla, July 14-15, 2018.
	Dr. Shruti Jain , Associate Professor, Department of Electronics and Communication Engineering chaired a session in International Conference on Advanced Informatics for Computing Research (ICAICR-2018), Shimla, July 14-15, 2018.
	Dr. Sudhir Kumar , professor and HOD BT and BI was invited as a resource person for a Workshop on Biogas Plant fabrication, maintenance and use organized by the Swachh Bharat Mission (Gramin), Drinking Water and Sanitation Department, Ranchi, Jharkhand on 23 July 2018.
	Dr Hemant Sood , Associate Professor from Department of BT&BI had guest lecture on 'Production of medicinal compounds for Commercial and Endangered Medicinal Plants through Cell and Tissue Culture Technology for Herbal Industry' on 13 th September, 2018 in Refresher Training Course for Indian Forest Services Officers (IFS) officers at HFRI, Panthaghati, Shimla.
	Dr. Rahul Shrivastava , Associate Professor, Department of Biotechnology and Bioinformatics, delivered Expert Lectures on topics 'Requisite of Antibody Engineering to Mankind' and 'Antibody Engineering - Applications and Job Potential' on 18th September, 2018 at G.B. Pant Engineering College, Pauri (Uttarakhand).
	Dr. Raghu Yennamalli , Assistant Professor, Department of Biotechnology and Bioinformatics invited as Resource Person for DBT sponsored workshop on "Application of Bioinformatics Research in Teaching and Research" from October 25-26, 2018 at Himachal Pradesh University, Summer Hill, Himachal Pradesh.
	Dr Jata Shankar , Associate Professor, Department of Biotechnology and Bioinformatics delivered a lecture on 'Deciphering host-response in Aspergillus mediated infection' as Keynote Speaker in 'International conference on Emerging Researches in Bioscience' (ICERB-2018) held during Oct.28-30, 2018 at Guru Ghasidas Viswavidyalaya- Central University Bilaspur, Chhattishgarh.
	Dr. Meenakshi Sood , Assistant Professor, Department of Electronics and Communication Engineering delivered a talk on '4th Industrial Revolution : A Pathway to Digital and Artificial Intelligence Revolution' as Keynote Speaker during the 51 st Engineers Day Celebration at Institute of Engineers, Shimla on 15 th September 2018.
	Dr. Shruti Jain , Associate Professor, Department of Electronics and Communication Engineering delivered a Guest lecture on "Detection of Arrhythmia using Automatic Differentiation Method" in Giani Zail Singh Campus College of Engineering and Technology (GZS CCET), Maharaj Ranjit Singh Punjab Technical University, Bathinda, Punjab, India on October 03, 2018.

WORKSHOPS/SEMINARS/CONFERENCES ATTENDED

Dr. Ashish Kumar, Professor, Department of Civil Engineering attended Interactive session with start-ups under CM Startup scheme on 27 July 2018 at Udyog Bhawan, Bemloi Shimla.

Dr. Ashish Kumar, Professor, Department of Civil Engineering attended One day workshop on “Conclave of Himalayan States” at Shimla organised by State Council for Science, Technology & Environment, HP on 5th October 2018.

Dr Anil Kant, Associate Professor from Department of BT&BI attended Conclave of Chief Ministers and Parliamentarians of Himalayan States on 5th October 2018 organized by Himachal Pradesh Council for Science Technology & Environment (HIMCOSTE) at Peterhoff, Shimla.

Dr Hemant Sood, Associate Professor from Department of BT&BI attended Conclave of Chief Ministers and Parliamentarians of Himalayan States on 5th October 2018 organized by Himachal Pradesh Council for Science Technology & Environment (HIMCOSTE) at Peterhoff, Shimla.

Dr. Ashish Kumar, Professor, Department of Civil Engineering attended One day workshop on “SME funding : Role of capital Markets in collaboration of with securities and Exchange Board of India” at Shimla organised by Dept. of Industries, HP on 26 Oct 2018.



PROMOTIONS

Name	Department	Promoted to
Dr. Ashish Kumar	CE	Professor
Dr. Rajesh Kumar	PMS	Associate Professor
Dr. Rajni Mohana	CSE/IT	Associate Professor
Dr. Sanjeev Kumar Tiwari	PMS	Assistant Professor (SG)
Dr. Amit Kumar	CSE/IT	Assistant Professor (SG)
Dr. Kapil Sharma	CSE/IT	Assistant Professor (SG)
Dr. Ramanpreet Kaur	CSE/IT	Assistant Professor (SG)
Dr. Saurabh Bansal	BT/BI	Assistant Professor (SG)
Mr. Aakash Gupta	CE	Assistant Professor (G-II)
Mr. Anirban Dhulia	CE	Assistant Professor (G-II)
Mr. Mohit Garg	ECE	Assistant Professor (G-II)

welcome

ON BOARD



Name	Joined As	Department	Date of Joining
Mr. Praveen Modi	Assistant Professor	CSE/IT	9 th July 2018
Dr. Vishal Mehta	Assistant Professor	Math	10 th July 2018
Mr. Preetam Amrit	Assistant Professor	CSE/IT	11 th July 2018
Mr. Surjeet Singh	Assistant Professor	CSE/IT	14 th July 2018
Dr. Pankaj Kumar	Assistant Professor	CE	16 th July 2018
Dr. Rishi Rana	Assistant Professor	CE	16 th July 2018
Dr. Himanshu Jindal	Assistant Professor	CSE/IT	16 th July 2018
Dr. Kapil Sharma	Assistant Professor	CSE/IT	18 th July 2018
Dr. Hari Singh	Assistant Professor	CSE/IT	23 rd July 2018
Ms. Monika Bharti	Assistant Professor	CE	23 rd July 2018
Mr. Prateek	Assistant Professor	CSE/IT	24 th July 2018
Mr. Gaurav Tyagi	Assistant Professor	CE	24 th July 2018
Dr. Jagpreet	Assistant Professor	CSE/IT	26 th July 2018
Mr. Tanmay Gupta	Assistant Professor	CE	11 th Aug 2018
Mr. Aakash Gupta	Assistant Professor	CE	11 th Aug 2018
Mr. Arijit Das	Assistant Professor	CSE/IT	20 th Sept 2018

scholar SPOTLIGHT

BEST POSTER AWARD IN SPAIN TO DR. RISHI MAHAJAN



Dr. Rishi Mahajan, Post Doctoral Fellow, (DST-SERB funded) Department of Biotechnology and Bioinformatics awarded with 'Best Poster Award' in the 2nd International Conference on Bioresource Technology for Bioenergy, Bioproducts & Environmental Sustainability, 2018 held at Spain during 18 – 19 September 2018 (Elsevier sponsored).

BEST POSTER AWARD TO DEEPAK SHARMA



Deepak Sharma (166555), Research Scholar, Department of Biotechnology and Bioinformatics received 'Best Poster Award' in HP Science Congress at IIT Mandi on 22-23 October 2018.

2ND IN ORAL PRESENTATION COMPETITION



Arun Sharma (136752), Research Scholar, Department of Biotechnology and Bioinformatics grabbed 2nd position in oral presentation competition in International Conference of Pharmacology & Drug Discovery on "Pharmacology for Future: Towards Translational Approach for Next Generation Pharmacologists organised by Maharaja Agrasen University, Barotiwala, Solan (H.P.) during October 4-6 2018.






SELECTED AS ASSISTANT PROFESSOR



Vineet Mehta (136755), Research Scholar, Department of Pharmacy (Now Department of Biotechnology and Bioinformatics), selected as Assistant Professor through Himachal Public Service Commission on September 2018.

PhD SNAPSHOT



	Avni Vij (136555), Department of Biotechnology and Bioinformatics has completed her Ph.D on 'AUTOPHAGY RELATED GENE ATG5 GENETIC VARIANTS AND HEPATITIS B VIRUS INFECTION SUSCEPTIBILITY' under the supervision of Dr. Harish Changotra on 14th July 2018.
	Rohit Randhawa (126566), Department of Biotechnology and Bioinformatics has completed his Ph.D on 'DAMAGING NSSNPS IN ULK1 GENE AND SUSCEPTIBILITY TO HEPATITIS B INFECTION' under the supervision of Dr. Harish Changotra on 14th July 2018.
	Akash Punhani (136203), Department of Computer Science and Engineering completed his Ph.D on 'ON IMPROVING THROUGHPUT AND LATENCY OF MESH INTERCONNECTION NETWORKS' under the supervision of Dr. Pardeep Kumar on 2nd August 2018.
	Prabhat Thakur (156002), Department of Electronics and Communication Engineering completed his Ph.D on 'MATHEMATICAL MODELING OF SPECTRUM SHARING IN COGNITIVE RADIO COMMUNICATION SYSTEMS' under the supervision of Dr. Shweta Pandit on 9 th August 2018.
	Asha Kumari (146955), Department of Physics and Materials Science has completed her Ph.D on 'DEVELOPMENT, CHARACTERIZATION, PROCESSING AND TESTING OF QUANTUM DOTS FOR IMAGING IN VISIBLE AND NEAR INFRARED RANGE' under the supervision of Dr. Ragini Raj Singh on 27 th August 2018.

	Sahil Kalia (126556), Department of Biotechnology and Bioinformatics has completed his Ph.D on 'STUDIES ON THE EFFECT OF PROBIOTIC AND PHYTOGENIC FEED ADDITIVES ON HEALTH AND GROWTH PERFORMANCE OF BROILER CHICKENS AT HIGH ALTITUDE' under the supervision of Dr. Udayabanu M on 27 th August 2018.
	Raj Kumar Tiwari (106757), Department of Pharmacy (Now Biotechnology and Bioinformatics) has completed his Ph.D on 'ANTI-ARTHRITIC POTENTIAL OF STANDARDIZED EXTRACT OF CLERODENDRUM SERRATUM (L.): A TRADITIONAL MEDICINAL PLANT' under the supervision of Dr. Udayabanu M on 10 th September 2018.
	Anil Kumar (136566), Department of Biotechnology and Bioinformatics has completed his Ph.D on 'BIOLEACHING OF METALS (Cu, Au AND Ag) FROM WASTE COMPUTER PRINTED CIRCUIT BOARDS USING CYANOGENIC MICROORGANISMS' under the supervision of Prof. Sudhir Kumar on 11 th September 2018.
	Isha Malhotra (126002), Department of Electronics and Communication Engineering completed her Ph.D on 'ANALYSIS, DESIGN AND CHARACTERIZATION OF SMALL-GAP PHOTOCONDUCTIVE DIPOLE ANTENNA FOR TERAHERTZ IMAGING APPLICATIONS' under the supervision of Dr. Shweta Pandit on 22 nd September 2018.
	Shivam Sharma (126558), Department of Biotechnology and Bioinformatics has completed his Ph.D on 'ANALYSIS OF DIOSGENIN CONTENT AND PHARMACOLOGICAL EXPLORATION OF CRITICALLY ENDANGERED MEDICINAL HERB-TRILLIUM GOVANIUM(NAGCHHATRI)' under the supervision of Dr. Hemant Sood on 22 nd September 2018.
	Ashwani Kumar (136506), Department of Biotechnology and Bioinformatics has completed his Ph.D on 'COMPUTATIONAL MINING OF GENOMIC AND PROTEOMIC DATA TO GAIN INSIGHT FOR ALZHEIMER'S DISEASE (AD)' under the supervision of Dr. Tiratha Raj Singh on 28 th September 2018.
	Manali Gangwar (126570), Department of Biotechnology and Bioinformatics has completed her Ph.D on 'GENOMICS OF FEMALE FLOWERING AND SEED YIELD IN JATROPHA CURCAS L.' under the supervision of Dr. Jata Shankar on 5 th October 2018.
	Santosh Kumari (146803), Department of Humanities and Social Sciences has completed her Ph.D on 'CORPORATE SOCIAL RESPONSIBILITY AND ITS IMPACT ON THE COMMUNITY: AN EXPLORATORY STUDY' under the supervision of Dr. Tanu Sharma on 9 th October 2018.
	Md. Imran Shah (136504), Department of Biotechnology and Bioinformatics has completed his Ph.D on 'DEVELOPMENT OF BRIGHT-FIELD MICROSCOPE IMAGE RESOURCE, AND IDENTIFICATION OF ROBUST FOCUS MEASURE FUNCTIONS FOR AUTOMATED CAPTURING OF IMAGES' under the supervision of Dr. Udayabanu M on 24 th October 2018.

Research Publications in Journals:

Bibra, M., Kumar, S., Wang, J., Bhalla, A., Salem, D. R., & Sani, R. K. (2018). Single Pot Bioconversion of Prairie Cordgrass into Biohydrogen by Thermophiles. *Bioresource Technology*, 266, 232-41.

Chand, S., & Sharma, P. (2018). Synthesis and characterization of Ag-chalcogenide nanoparticles for possible applications in photovoltaics. *Materials Science-Poland*, 36(3), 375-380.

Fouad, S. S., El Radaf, I. M., Sharma, P., & El-Bana, M. S. (2018). Multifunctional CZTS thin films: Structural, optoelectrical, electrical and photovoltaic properties. *Journal of Alloys and Compounds*, 757, 124-133.

Kapoor, S., Sharma, A., Bhardwaj, P., Sood, H., Saxena, S., & Chaurasia, O. P. (2018). Enhanced Production of Phenolic Compounds in Compact Callus Aggregate Suspension Cultures of *Rhodiola imbricata* Edgew. *Applied biochemistry and biotechnology*, 1-21.

Munjal, N. S., Sharma, M., & Singh, T. R. (2018). Development of QSPR Strategy for the Solubility Prediction. *Current computer-aided drug design*, 14(4), 302-309.

Panigrahi, P. P., Singla, R., Bansal, A., Junior, M. C., Jaitak, V., Yennamalli, R. M., & Singh, T. R. (2018). In silico screening and molecular interaction studies of tetrahydrocannabinol and its derivatives with acetylcholine binding protein. *Current Chemical Biology*, 12(2), 181-190.

Patel, S. S., Ray, R. S., Sharma, A., Mehta, V., Katyal, A., & Udayabanu, M. (2018). Antidepressant and anxiolytic like effects of *Urtica dioica* leaves in streptozotocin induced diabetic mice. *Metabolic brain disease*, 33(4), 1281-1292.

Prashar, N., Sood, M. and Jain, S. (2018). Semiautomatic Detection of Cardiac Diseases employing Dual Tree Complex Wavelet Transform. *Periodicals of Engineering and Natural Sciences (PEN)*, 6(2), 129-140

Sharma, A., Ganguly, R., & Gupta, A. K. (2018). Spectral characterization and quality assessment of organic compost for agricultural purposes. *International Journal of Recycling of Organic Waste in Agriculture*, 1-17

Sharma, N., Patial, B. S., Sharma, P., & Thakur, N. (2018). On the optical study of Pb additive Se-Te-Ge nano-crystalline quaternary alloys. *Journal of Optoelectronics and Advanced Materials*, 20(7-8), 435-440.

Sharma, P., Dahshan, A., Sehgal, V. K., & Aly, K. A. N. (2018). High Thermoelectric Action in Vacuum Deposited Indium Alloyed Chalcogenide Thin Films: $\text{In}_x\text{Se}_{100-x}$. *IEEE Transactions on Electron Devices*, 65(8), 3408-3413.

Shukla, A., & Singh, T. R. (2018). Network-based approach to understand dynamic behaviour of Wnt signaling pathway regulatory elements in colorectal cancer. *Network Modeling Analysis in Health Informatics and Bioinformatics*, 7(1), 14.

Shukla, A., Yennamalli, R. M., & Singh, T. R. (2018). Network and structure based inference of functional single nucleotide polymorphisms associated with the TGF β 1 gene and its role in colorectal cancer (CRC). *Gene Reports*, 11, 131-142.

Thakur, G, Sohal, H and Jain, S. (2018). High speed radix-2 butterfly structure using novel Wallace multiplier. *International Journal of Engineering and Technology(UAE)*, 7(3.4), 213-217.

Thakur, R. & Shankar, J. (2018). Proteome analysis revealed Jak/Stat signaling and cytoskeleton rearrangement proteins in human lung epithelial cells during interaction with *Aspergillus terreus*. *Current Signal Transduction Therapy*. 13. Doi: 10.2174/1574362413666180529123513.

Papers in Conference Proceedings:

Anjana, Singh, P. K. and Sood, M. (2018). Identification and Detection of Various Diseases In Commercial Crops. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi, 21-22 Oct 2018, IIT Mandi.

Chand, S., Sharma, D., Sharma, V., & Sharma, P. (2018, August). Morphological and optical study of Ag₂Se quantum dots. In AIP Conference Proceedings (Vol. 2009, No. 1, p. 020026). AIP Publishing

Choudhary, A, Kumar, A. and Syal, S (2018). Biogas Generation from Co-digestion of Lignocellulose and Kitchen waste. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi, 21-22 Oct 2018, IIT Mandi.

Kashyap, V., Sood, M. and Jain, S. (2018) Energy Harvesting module for utilizing household waste heat. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi, 21-22 Oct 2018, IIT Mandi.

Kirti, Sohal, H. and Jain, S. (2018). ECG Signal Processing Technique for Heart Rate Variability. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science &

Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Kumari, A., & Singh, R. R. (2018, August). Effect of coating on antimicrobial and optical properties of quantum dots. In AIP Conference Proceedings (Vol. 2009, No. 1, p. 020025). AIP Publishing

Puri, S., Sharma, D. Bisht, G.S. and Shrivastava, R. (2018). Therapeutic Activity of Valeriana jatamansi Plant Extract against Diarrheagenic Infections. In Proceedings of the International Conference on Nutraceuticals and Chronic Diseases (INCD-2018) [3rd : Cancer Research Institute - Himalayan Institute of Medical Sciences, Rishikesh (Dehradun), Uttarakhand : 14-16 September, 2018].

Rawat, D., Kumari, A., & Singh, R. R. (2018, August). Structural and luminescent properties of multifunctional nanostructures. In AIP Conference Proceedings (Vol. 2009, No. 1, p. 020004). AIP Publishing.

Sharma, A., Ganguly, R. & Gupta, A. K. (2018). Present scenario and challenges of municipal solid waste management practices. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Sharma, A., Vashistt, J. and Shrivastava, R. (2018). Standardization of Biofilm Formation of an Opportunistic Pathogen Mycobacterium fortuitum for Rapid Drug Screening. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Sharma, D. & Ganguly, R. (2018). Evaluation of existing ambient air quality status. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Sharma, D., Sharma, P., Shrivastava, R. and Bisht, G.S. (2018). Design, Synthesis, Characterization and Evaluation of Antimycobacterial activities of Peptidomimetics. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Shrivastava, R., Sood, S. and Vashistt, J. (2018). Acid Stress Based Mycobacterium fortuitum Model: a window to Mycobacterium tuberculosis latency. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Uppal, A. & Kumar, A. (2018). Rural Development by Affordable Housing a Review study. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Urvashi, Bhardwaj, C., Puthooran, E., Jain, S. and Sood, M. (2018). Lossless Compression of Medical Images for Telemedicine Application. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural

Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Vasistha, P & Ganguly, R. (2018). Biomedical waste generation and management in hospitals – case study in Shimla. In proceedings of 3rd Himachal Pradesh Science Congress, 'Rural Upliftment Through Science & Technology Interventions', Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) & IIT Mandi , 21-22 Oct 2018, IIT Mandi.

Verma, S., Sharma, A., Bisht, G.S. and Shrivastava, R. (2018). Saesha Verma, Ayushi Sharma, Gopal Singh Bisht, Rahul Shrivastava (2018). To Determine Anti-Mycobacterial Properties of Valeriana jatamansi and Its Prospective role as a Future Nutraceutical . In Proceedings of the International Conference on Nutraceuticals and Chronic Diseases (INCD-2018) [3rd : Cancer Research Institute - Himalayan Institute of Medical Sciences, Rishikesh (Dehradun), Uttarakhand : 14-16 September, 2018].

Pundir, A., Kad, A., Mehta, H. and Sood, H. (2018). Effect of electricity on the morphological aspects and metabolite production in *Rhodiola imbricata* . In Proceedings of BIO CAMP 2018 National Symposium on Current Trends and future prospects in Biotechnology organized by Department of Biotechnology, Panjab University, Chandigarh. 1st and 2nd November. 2018 (poster)

Saxena, P., Verma, R., Kumar, S. (2018). Effective metal-catalyzed oxidative delignification of wheat straw. In 3rd Himachal Pradesh Science Congress, IIT Mandi, Himachal Pradesh (22-23 October, 2018) – [Poster presentation by Verma, R].

Saveena, Rolika Gupta and Hemant Sood. 2018. Direct organogenesis for rapid in vitro propagation of *Stevia rebaudiana* “3rd Himachal Science Congress National” organized by HIMCOSTE and IIT Mandi at IIT Mandi, 22-23rd October 2018. (poster)

Thakur P., Kumar A., Kumar, S. (2018). Bioremediation and management of e-waste. In 3rd Himachal Pradesh Science Congress, IIT Mandi, Himachal Pradesh (22-23 October, 2018) – [Poster presentation by Thakur, P].

Choudhary, A., Kumar, A., Kumar, S. (2018). Biogas generation from co-digestion of lignocellulosic and kitchen waste. In 3rd Himachal Pradesh Science Congress, IIT Mandi, Himachal Pradesh (22-23 October, 2018) – [Oral presentation by Choudhary, A].

Chapters in Books:

Tiratha Raj Singh, Ankush Bansal (2018). Phylogenetic Analysis: Gene Duplication and Speciation. In Shoba Ranganathan, Kenta Nakai, Christian Schonbach, Reference Module in Life Sciences (Encyclopedia of Bioinformatics and Computational Biology, pp.). : Elsevier. [ISBN : 9780128114148].

Tiratha Raj Singh, Ankita Shukla, Bensellak Taoufik, Ahmed Moussa, Brigitte Vannier (2018). Metabolome Analysis: Disease Biomarker Discovery. In Shoba Ranganathan, Kenta Nakai, Christian Schonbach, Reference Module in Life Sciences (Encyclopedia of Bioinformatics and Computational Biology, pp.). : Elsevier. [ISBN : 9780128114148].

जेयूआईटी की टीम ने किया चौसा गांव का दौरा

शिमला। जेपी यूनिवर्सिटी ऑफ इंफोर्मेशन टेक्नोलॉजी (जेयूआईटी) के फैकल्टी डॉ. गोपाल बिष्ट, डॉ. सौरभ, पापिया लाहिरी, प्रज्ञा गुप्ता और डॉ. निशांत ने मानव संसाधन विकास मंत्रालय (एमएचआरडी) के अंतर्गत जेयूआईटी द्वारा शुरू किए गए 'उन्नत भारत अभियान' के चौसा गांव का भ्रमण किया।

स्कॉलर और विद्यार्थियों ने बीडीसी व ग्राम पंचायत सदस्यों से उनकी समस्याओं, बायो-गैस, सिविल इंजीनियरिंग और भाषा कुशलता पर चर्चा की। ग्रामीणों ने जेयूआईटी टीम को अपनी समस्याओं से अवगत कराया। इस दौरान विद्यार्थियों ने अलग-अलग वर्ग के लोगों (ग्रामीणों, युवाओं, स्त्रीयों) से बातचीत की।

Dr Raghu Yennamalli of Jaypee University, Solan, awarded

Dr Raghu Yennamalli from the Department of Biotechnology and Bioinformatics at Jaypee University of Information Technology, Wak-

naghat, Solan, has been awarded Bioenergy Award for Cutting Edge Research (B-ACER) in the area of bioenergy. Only four faculty members were selected for award throughout the country (one each from IIT



Delhi, JNU Delhi, TERI, Delhi and Dr Raghu from Jaypee University, Waknaghat). The award is funded by the Department of Biotechnology, Government of India and the Indo-US Science and Technology forum.

ह में खाना पकाने के साथ होगा मोबाइल चार्ज

जे.पी. विश्वविद्यालय के विधोरे ने बनाया मॉडल

मंडी, 25 अक्टूबर (कुलभूषण): ग्रामीण क्षेत्रों में इलेक्ट्रिक बिजली की कमी के कारण मोबाइल फोन चार्ज करना एक बड़ा समस्या है। जे.पी. यूनिवर्सिटी के छात्र विधोरे ने इस समस्या का समाधान ढूंढ निकाला है। उन्होंने एक मॉडल बनाया है जिससे मोबाइल फोन को चार्ज किया जा सकता है। इसके लिए उन्होंने आर्बोराईट, आईटी, मंडी में हिमचल प्रदेश की तीसरी सर्वेक्षण कमीशन में अपना मॉडल प्रदर्शित किया, जिसे सब ने खूब सराहा।

विधोरे ने बताया कि ग्रामीण क्षेत्रों में बिजली की समस्या सबसे अधिक होती है, जिस कारण लोगों को अपना मोबाइल फोन चार्ज करने में दिक्कत आती है। इसे देखते हुए एक ऐसा



मंडी: मोबाइल चार्जिंग के लिए बनाया गया फूले का मॉडल व (इलेक्ट्रॉनिक) फूले के मॉडल को प्रदर्शित कर विधोरे।

बिजली जाने की समस्या से निपटारा करने के लिए जे.पी. विश्वविद्यालय के विधोरे ने कहा कि अधिकतर ग्रामीण क्षेत्रों में लोग फूले का इस्तेमाल करते हैं, जहाँ साथ ही बिजली की समस्या भी ग्रामीण क्षेत्रों में अधिक रहती है। ऐसे में फूले के साथ ही एक इलेक्ट्रिक डिवाइस लगाई गई है, जिससे फूले में खाना बनाने के साथ उसकी जो भी अतिरिक्त होत होगी, उसके माध्यम से डिवाइस में कनेक्शन देकर उससे मोबाइल चार्ज किया जा सकता है। उन्होंने कहा कि उन्होंने इस डिवाइस को स्वयं ही बनाया है। उन्होंने कहा कि इस डिवाइस से ग्रामीणों को मोबाइल चार्ज करने में बहुत सारी समस्याओं को जाना और उन्हें बायोगैस, सिविल इंजीनियरिंग व भाषा पर पकड़ आदि विषयों की जानकारी दी। इससे पूर्व गांव पहुंचने पर ग्रामीणों ने विधोरे की टीम का जोरदार स्वागत किया और बातचीत के दौरान उनसे पेश आ रही विभिन्न समस्याओं से अवगत कराया। टीम द्वारा दी गई जानकारी पर ग्रामीणों ने खुशी जताई। टीम में शामिल छात्रों ने सभी आयु वर्ग से वार्तालाप कर अभियान के तहत दिए गए सर्वे को भी भरवाया। इस टीम में डा. गोपाल सिंह बिष्ट, डा. सौरभ, डा. पापिया लाहिरी, प्रज्ञा गुप्ता व डा. निशांत सहित छात्र शामिल थे।

जेपी यूनिवर्सिटी के रघु को बायो एनर्जी अवार्ड

देव्य हिमाचल ब्यूरो, सोलन



संकाय सदस्यों को चुना गया था। इनमें दिल्ली, देव्य हिमाचल, नारआई, संकाय मिल थे। डॉ. भारत विभाग व नि फोरम। अवाइड की टॉप-शुमारर्सिटी में

ने किया छावशा गांव का दौरा

गांधाट के संकाय सदस्यों, रिसर्च स्कॉलर्स अभियान के तहत छावशा गांव का दौरे के मानव संसाधन विकास मंत्रालय के अंतर्गत जेयूआईटी द्वारा शुरू किए गए 'उन्नत भारत अभियान' के चौसा गांव का भ्रमण किया। स्कॉलर और विद्यार्थियों ने बीडीसी व ग्राम पंचायत सदस्यों से उनकी समस्याओं, बायो-गैस, सिविल इंजीनियरिंग और भाषा कुशलता पर चर्चा की। ग्रामीणों ने जेयूआईटी टीम को अपनी समस्याओं से अवगत कराया। इस दौरान विद्यार्थियों ने अलग-अलग वर्ग के लोगों (ग्रामीणों, युवाओं, स्त्रीयों) से बातचीत की।

दिव्य हिमाचल

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