

HILLY RAMBLINGS

A NEWSLETTER OF JUIT

Volume 6 | Issue 3 (March – June 2017)



HIGHLIGHTS OF THIS ISSUE

MoU under CM's Startup Scheme	vLabs Workshops	Training & Placement Status
Inaugurated e-Yantra Lab	Biogas Digester support	Student Achievements
Startup PROTOTHON - 2017	Expert Lecture	New Joinings
Workshops	S&T Workshops	Intellectual Capital, etc.



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JUIT RANKED 93RD AMONG UNIVERSITIES & 83RD AMONG ENGINEERING INSTITUTES IN INDIA



The National Institutional Ranking Framework (NIRF) was approved by the MHRD and launched by Honourable Minister of Human Resource Development on 29th September 2015. This framework outlines a methodology to rank institutions across the country. The parameters broadly cover “Teaching, Learning and Resources (TL),” “Research and Professional Practices (RPC),” “Graduation Outcomes (GO),” “Outreach and Inclusivity (OI),” and “Perception”. India Rankings – 2016 based on this framework were released on 4th April 2016 and JUIT ranked at 37th position among all Indian Universities.

For India Rankings – 2017, the main ranking parameters remain the same. However, there were a few significant changes in a few sub-parameters. Also, this year every large institution was given a common overall rank as well as a discipline specific rank as applicable. Details are in the Ranking Document available at <https://www.nirfindia.org/ranking2017.html>

The JUIT has been ranked 93rd among all Indian Universities and 83rd among All Indian Engineering Institutions. The detail of the same is given in below attached tables.

93RD AMONG INDIAN UNIVERSITIES

Institute ID	Name	City	State	Score	Rank
IR17-1-2-18296	Jaypee University of Information Technology-Solan	Solan	Himachal Pradesh	34.14	93
TL (100)	RPC (100)	GO (100)	OI (100)	PERCEPTION (100)	
33.76	13.92	60.56	74.60	2.61	

83RD AMONG ALL INDIAN ENGINEERING INSTITUTIONS

Institute ID	Name	City	State	Score	Rank
IR17-ENGG-2-18296	Jaypee University of Information Technology-Solan	Solan	Himachal Pradesh	37.46	83
TL (100)	RPC (100)	GO (100)	OI (100)	PERCEPTION (100)	
49.84	13.87	52.03	76.54	2.91	

MoU UNDER THE CHIEF MINISTER'S STARTUP



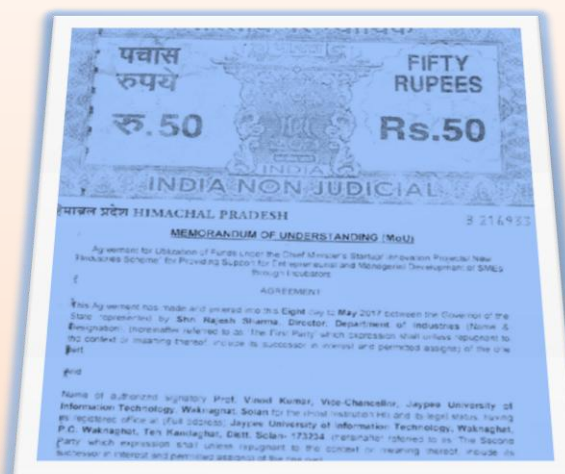
Recently University has also signed MoU on May 8, 2017 under the Chief Minister's Startup/ Innovation Projects/ New Industries Scheme" for Providing Support for Entrepreneurial and Managerial Development of Small and Medium Enterprises (SMEs) through Incubators. According to this MoU, Jaypee University of Information Technology (JUIT) shall undertake business incubation and entrepreneurship development activities as per the provisions of Startup Policy and guidelines and execute obligations under the proposed Scheme and guidelines. The entity is referred henceforth as the Empanelled Incubator.

As per scheme guidelines, The funds shall be released by the HP Government according to the following schedule:

State of Project	Maximum Funds to be released (INR)*	Milestones
Signing of MoU	10 lakhs	
6 months from MoU signing	8 lakhs	4 incubatees to be admitted
1 year from MoU signing	12 lakhs	6 incubatees to be admitted
2 year from MoU signing	30 lakhs	10 incubatees to be admitted
TOTAL	60 lakhs	Total 20 incubatees

After signing MoU with Department of Industries HP, the University has received an amount of Rs 20 Lakhs as first instalment on 27-06-2017.

The operation of the Empanelled Incubator shall be governed by the Screening Committee. This screening committee will be constituted with the approval of the Board of Governors (BOG) of the Host Institutions.



The project is being taken care by the Technology Incubator and Entrepreneurship Development Cell (TIEDC) of the University. The TIEDC focuses on harnessing the talents and research strengths available in the area of different engineering disciplines and apply the same to socially relevant projects in the form of start-up ventures.

INAUGURATED 'ROBOTICS AND EMBEDDED SYSTEMS LAB'

A new "Robotics and Embedded Systems Lab" is established in Jaypee University of Information Technology, Wagnaghat, Solan. This is a MHRD funded project initiated by Indian Institute of Technology Bombay under "e-Yantra Lab Setup Initiative (eLSI)". It is formally inaugurated by Vice Chancellor Dr. Vinod Kumar in the presence of Director Dr Samir Devgupta, faculty, staff and students on 11th May 2017.



Team Members Dr. Meenakshi Sood, Dr. Punit Gupta, Mr. Mohit Garg, Mr. Puneet Kumar Jain were also present. The Vice Chancellor emphasised that this lab aims to create the next generation of embedded systems engineers with a practical outlook to help in providing practical solutions to some of the real world problems. The goal is to share projects and brainstorm new ideas for improving pedagogy and the quality of engineers.



STARTUP PROTOTHON-2017

A one-day seminar on STARTUP PROTOTHON-2017 was conducted at Jaypee University of Information Technology on 16th May 2017. The seminar was conducted jointly by HP Centre for Entrepreneurship Development (HPCED) and Technology Incubator and Entrepreneurship Development Cell (TIEDC), JUIT, Waknaghat. This seminar was first of its kind in Himachal Pradesh conducted under CM's **Startup/Innovation Scheme", Govt. of HP**. The seminar was presided by Smt. Deepika Khatri, Executive Director, HPCED, Sh. Jitender Sanjta, Additional Director of Industries, and Sh. Rajeshwar Thakur, Manager, Director of Industries. This seminar was organized to provide an overview on startup schemes from HP Govt., and to



discuss the issues related to marketing strategies, crafting the business plans, analyzing marketing opportunities, financial issues related to Entrepreneur and much more.

The Vice Chancellor, Prof. Vinod Kumar, JUIT in his address announced that JUIT has been awarded as Incubator facility for the budding entrepreneurs under Chief Minister's Startup/Innovation Scheme and **JUIT is the only private university in the state being awarded as Incubator**.

On this occasion, Dr. Ashish Kumar, TIEDC welcomed the dignitaries and highlighted that the basic objective of this seminar was to encourage the youth for self-employment by

upgrading their skills as entrepreneurs, promoting & nurturing their innovative concept. Dr. Rajiv Kumar and Dr. Gunjan Goel, Faculty coordinators of TIEDC briefed about the importance of startup schemes and entrepreneurship as the need of the hour. The participants were benefited through this program and were motivated to have a new innovative thinking so that they become Entrepreneur and a job creator besides a job seeker.

A total of 51 Innovative Project proposals and Entrepreneurship Ideas having the potential to be converted into prototypes and in ventures were screened by a panel of jury members.



Attractive prizes had been announced for top three winners. The first prize was won by **Saras Gupta & Udit Pania** for an innovative idea on Special Shoes and the second and third prize by **Kushagar Tyagi** and **Dilpreet Singh** respectively.



WORKSHOP ON TOOLS AND TECHNIQUES FOR DATA ANALYSIS IN MANAGEMENT RESEARCH

The Department of Humanities and Social Sciences, Jaypee University of Information Technology, Wahnaghat, Solan, organized 6th One Week Workshop on “Tools and Techniques for Data Analysis in Management Research” during June 19 - 24, 2017. The workshop was a grand success, in which 19 participants from different parts of the nation participated.

The objective of the Workshop was “To equip the participants with the knowledge of different tools and techniques used in the data analysis in modern day management/social sciences research so that they not only understand the right tools and techniques for their research but also add value to the knowledge domain.”

The Workshop was organised by Dr. Amit Srivastava, Associate Professor in the



Department of Humanities and Social Sciences. Dr. Anupriya Kaur, Associate Professor & HOD of Department of Humanities and Social Sciences and Dr. Puneet Bhushan, Assistant Professor, University Business School, Himachal Pradesh University were the Coordinators and Resource Persons of the Workshop.



CV MAKING WORKSHOP

A workshop on CV making was organized by Technology Innovation and Entrepreneurship Development Cell (TIEDC), JUIT on May 4, 2017 at LT3. The targeted participants were the UG and PG students of the University. Dr. Amit Srivastava, Associate Professor, Department of

Humanities and Social Sciences was the Resource Person of the workshop. The workshop was a huge success and more than 200 students participated and taken tips for writing good Curriculum Vitae.



WORKSHOP ON VIRTUAL LABS

A Two Day Workshop on Virtual Labs was conducted during 28th – 29th April 2017 at the University campus. The workshop was organized to give orientation and hands on practice sessions to all faculty and staff members of different departments in four different sessions. A team of experts from Indian Institute of Technology (IIT), Delhi acted as resource persons for the all sessions. The team was comprised with Mr. Sanjeev Soni, Mr. Ashish Ranjan and Mr. Pratek Sharma from IIT,

New Delhi. The workshop was inaugurated by Hon'ble Vice Chancellor, Prof. Vinod Kumar of JUIT and shared his insights about the workshop.

Dr. Hemraj Saini of Department of Computer Science Engineering and Dr. Rajiv Kumar, Department of Electronics and communication Engineering were the coordinators of this workshop.





Workshop on Virtual Labs

By Experts from IIT-Roorkee
An initiative of Ministry of Human Resource Development
Under the National Mission on Education through ICT
<https://www.vlab.co.in>

on
28th-29th April, 2017
Venue : CL3 & CL4

Organized by
Nodal Center, Virtual Labs
Jaypee University of Information Technology, Waknaghat

vLabs ready for Use:

- ✓Electronics & Communication
- ✓Computer Science & Engineering
- ✓Electrical Engineering
- ✓Mechanical Engineering
- ✓Chemical Engineering
- ✓Biotechnology and Biomedical
- ✓Civil Engineering
- ✓Physical Sciences
- ✓Chemical Sciences

Coordinators :
Nodal Center, vLab, JUIT
Dr. Hemraj Saini : 8894469853
Dr. Rajiv Kumar : 9816365801

WORKSHOP ON COLLEGE CLOUD EDITION FOR VIRTUAL LABS

A four day workshop on 'College Cloud Edition for Virtual Labs' was organized during 9th – 12th May 2017 at JUIT campus. A team of experts, Prof. Venkatesh Choppella, Mr.Thirumal Ravula, Mr. Siva Shankar and Mr. Sripathi Kammar from Indian Institute of Information Technology, Hyderabad were the resource persons for the workshop.

A day advance of the workshop, a lab with



requisite software, cloud edition, was setup and kept ready for using virtual labs off-line. The First day was devoted for explaining the importance of cloud edition in virtual labs to the strength of about 45 faculty members and they were also explained how they (faculty members) can contribute to VLab project.



Second day of the workshop was started with very informative talk on vLabs by Hon'ble Vice Chancellor, Prof. Vinod Kumar of JUIT. After that Prof. Choppella conducted a session for students. Students were also given an explanatory session on development of Asynchronous distributed software at GITHUB. Next day, Prof. Coppella and his team had an interaction and explanatory sessions with faculty, staff and students. On final day, the team and coordinators collected the feedback



and certificates were distributed to the participants.

The workshop was coordinated by Dr. Hemraj Saini of CSE department and Dr. Rajiv Kumar of ECE department of JUIT.



STP ON LIBRAOFFICE SUIT

Staff Training Program (STP) on “LibraOffice Suit Writer, Math, Cal & Impress” is a part of Spoken Tutorial project organized at Jaypee University of Information Technology, Solan (HP), from 8th to 28th June, 2017 by Dr. Punit Gupta (Assistant Professor- Senior Grade). The Spoken Tutorial project is the initiative of the “Talk to a Teacher” project of the National Mission on Education through ICT, launched by MHRD, Govt of India and developed at IIT BOMBAY. This project is teaching Free & Open Source Software (FOSS) like Linux, Scilab, PHP & MySQL, LaTeX and Python etc. to all college students of India. The mode of training is through workshops, held at individual college campuses, with guidance and materials provided by IIT Bombay. These workshops are of 2 hour duration and totally free of cost.





The training includes different topics like:

- LibraOffice Suit Writer

- LibraOffice Suit Math
- 7LibraOffice Suit Cal
- LibraOffice Suit Draw
- LibraOffice Suit Impress
- LibraOffice Suit Base

This workshop was attended by all staff members of various departments of the University.



 <p>STAFF TRAINING PROGRAM On LibraOffice Suit Writer, Math, Cal & Impress 8th – 28th June, 2017 Registration Form</p> <p>Name: _____</p> <p>Designation: _____</p> <p>Qualification: _____</p> <p>Institution: _____</p> <p>Mobile: _____</p> <p>Email: _____</p> <p>Demand Draft Details: _____</p> <p>Signature of participant: _____</p>	 <p>ABOUT THE INSTITUTE</p> <p>JUIT commenced academic activities from July 2002 with undergraduate B.Tech. degree programs in Electronics & Communication Engineering, Computer Science & Engineering, Information Technology, Bioinformatics, and Civil Engineering (from July 2003).</p> <p>The University is offering M.Tech (Electronics & Communication Engineering), M.Tech (Computer Science & Engineering), M.Tech (Applied and Computational Mathematics), M.Tech (Biotechnology), M.Tech (Environmental Engineering), M.Tech (Structural Engineering), M.Tech (Construction Management), M.Tech (Computational Biology) and M. Pharma. The University is offering Ph.D. in Bioinformatics, Biotechnology, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Humanities & Social Sciences, Mathematics, Pharmacy and Physics & Materials Science.</p> <p>JUIT Wagnaghat offers a challenging academic environment to its students. It aims to instill the habit of life-long learning and therefore, provides a learner-centric rather than a teacher-centric educational process. The system has been designed to provide students the freedom to learn what they want to learn at a pace determined by them. Post-graduate students are encouraged to develop independence in thought and action as well as the ability to develop solutions that tightly fit problem requirements. These students shall acquire the capability to deploy appropriate technology paradigms for given tasks, explore new technology, and lead teams to solve complex problems.</p>	 <p>STAFF TRAINING PROGRAM On LibraOffice Suit Writer, Math, Cal & Impress 8th – 28th June, 2017</p>  <p>LibreOffice Free Office Suite</p> <p>Organized by: Department of Computer Science & Engineering and Information Technology</p> <p>Jaypee University of Information Technology Wagnaghat, Solan, Himachal Pradesh-173234 Phones: 01792-239216</p>
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BIOGAS PLANT AT DHAR ANJI GOVT. PRIMARY SCHOOL

Achieving another milestone, Dr. Sudhir Kumar and Dr. Ashish Kumar of Jaypee University of Information Technology, Wagnaghat fabricated a biogas digester that uses left-over mid-day meal generated at Government Primary School, Dhar Anji, Dharampur, District Solan, Himachal Pradesh. The research for this is funded by State Council for Science, Technology & Environment, Himachal Pradesh (HPSCSTE), Shimla. The installation aims to bring down the LPG usage of school and provide a sustainable alternative to the school authorities. The plant is priced at Rs 15,000 the plant has a small foot print and made up of two High Density Polyethylene (HDPE) water tanks (1.5 m³, 1.0 m³) installed in an area of 2sq m. This is most

appropriate system for people living without livestock and in build-up area. As on now, system produces 30-40 minutes of cooking gas/day with CH₄ (68-70%) and CO₂ (26-28%). Scientists and the associated research group Ankur Choudhary, Gorky and Karam Das, are now trying to improve its efficiency using crushed pine needles. This system is an ideal way to manage household waste and to produce decentralized power generation. The usage of this technology will also save women from smoky kitchen and is in alignment with the Clean India, Make in India and Swatch Bharat Abhiyan of our Prime Minister Shri Narendra Modi.



BIOGAS DIGESTER INAUGURATED



Using the biodegradable refuse (food) of School – Kitchen, JUIT scientists, Dr. Sudhir Kumar and Dr. Ashish Kumar with co-researchers (Gorky and Karam Das), installed a biogas digester of 1500 litres capacity at Govt. Primary School, Deyonda of Pooghat –Bani, which comes under Chhaosha Panchyat of Kandaghat, District Solan on December 28, 2016. This biogas digester was fabricated under the project grant of HP State Council of Science, Technology & Environment (HPSCST&E), Shimla. This technology is inspired by Appropriate Rural Technology Institute



(ARTI). Priced at around Rs. 15,000, it runs on left-over food waste and installed in an area of 2 sq m. This plant will provide 30-40 minute of cooking fuel/day. This will bring down the LPG usage by school. The authority of JUIT, thanked Joint Member Secretary Sh. Kunal Satyarthiji for financial support and his useful suggestion which lead to an improved design and operation of biogas digester at School.



Dr. Aparna Sharma accompanied by Sh. Manoj Kaul from HPSCST&E inaugurated the operation of biogas digester at School in the presence of Panchyat Pradhan Sh. Ganga Ram Thakur, school staff and Principal Sh. Ashok Kumar, villagers and students on May 1, 2017. Dr. Aparna Sharma lauded the effort of project scientists and motivated the villagers to adopt this low-cost technology for renewable fuel generation. This will help the women to get rid of smoky kitchen using wood as a source of fuel with an additional benefit of safeguarding



forest trees and management of house hold waste. Even the spent slurry coming out of the biogas plant can be used as a liquid fertilizer for the plants at School. The students and villagers were enthusiastic about the digester and a follow-up training program for them will be arranged by HPSCST&E at JUIT, Wagnaghat.



TRAINING PROGRAM ON FABRICATION AND WORKING OF BIOGAS PLANT FOR VILLAGERS

A Biogas digester Plant was set-up by the JUIT scientists in Government Primary School, Deyonda, Pooghat-Bani, Solan District of Himachal Pradesh on December 28, 2016. The Plant was inaugurated by the authority of HPSCST&E on May 1, 2017.

A training programme for the school authority and others was organized by the Jaypee

University of Information Technology on May 29, 2017. The training programme was sponsored by HP State Council for Science and Technology (HPSCST&E), Shimla. The JUIT experts, Dr. Sudhir Kumar and Dr. Ashish Kumar gave orientations about the working process of the Biogas plant to the people concerned and the villagers.





EXPERT LECTURE ON VLSI DESIGN AND IOT

Shri Vivek Sheel Dutt and **Shri Kirti** of DKOP Labs Pvt. Ltd., Noida visited JUIT and delivered an expert lecture on "VLSI DESIGN AND IOT" on March 07, 2017. Students of B.Tech (2nd and 3rd year) and research scholars attended the lecture and interacted with the experts enthusiastically. This expert lecture was coordinated by Prof. Ghanshyam Singh and Dr. Shruti Jain of Electronics and Communication Engineering Department of JUIT.



SCIENCE AND ENGINEERING WORKSHOPS

(at DAV School Sundernagar, HP and DAV School Mandi, HP)

The JUIT team has conducted Science and Engineering Workshops at DAV School



Sundernagar and DAV School Mandi of Himachal Pradesh during May 6-7, 2017. These



workshops were conducted for 10+1 and 10+2 students and teachers of the schools. About 300



participants were actively participated in the workshops.



These workshops aimed to make students aware of new and exciting carrier opportunities of different courses running at JUIT and were also made familiar with new and emerging



fields of studies in Bioinformatics, Biotechnology and Electronics, etc. The



students were provided hands on experience on several experiments, systems and techniques such as plant tissue culture, gel electrophoresis for DNA, Robotics etc.

SCIENCE AND ENGINEERING WORKSHOP

(at Y S Schools, Barnala)

A science and engineering workshop activity by JUIT was held in Y S Schools, Barnala, Punjab on 30th May, 2017. JUIT exhibited their mobile lab representing the departments of Biotechnology



and Bioinformatics, and Electronics and Communication Engineering for the benefit of school students. Dr. Sudhir Kumar explained about electronic waste management and



recovery of gold and silver from e-waste. He also explained about the portable biogas model based on kitchen waste. Mr. Baleshwar demonstrated experiments of microbial staining, use of digital pH meter, handling of micropipettes, and plant tissue culture. Dr.



Ragothaman explained about Bioinformatics and its applications, emphasizing the future prospects of Bioinformatics. Mr. Pramod and Mr. Dheendar Singh demonstrated the



robotics applications, which were developed by JUIT students from Electronics and Communication Engineering. There were 109 students from non-medical class and 99



students from medical class who listened to the lectures and visited the mobile lab and asked questions about Biotechnology and Bioinformatics, Electronics and Communication Engineering, and about JUIT.



SCIENCE AND ENGINEERING WORKSHOP

(at St. Marry School, Sundernagar)

On June 14, 2017 a Science and Engineering Workshop activity was carried out at St. Marry School, Sundernagar, Mandi district of Himachal Pradesh. The target audience of the workshop were students of class 10+1 and 10+2 and teachers. About 130 students were participated in the event. The objectives of the workshop were to make student familiar with new and emerging fields of studies such as Bioinformatics, Biotechnology and Electronics, etc. The students were also provided hands on experience on several experiments, systems and techniques such as Plant tissue culture, Gel electrophoresis for DNA, Robotics, Bioinformatics etc. During the workshop the team of experts from JUIT found that the workshop had made a positive impact on students' which enhanced their interests in Science.



SCIENCE AND ENGINEERING WORKSHOP

(at Govt. Girls Sr. Sec. School, the Mall, Solan)

As a regular activity, the science and engineering workshop was organized at Government, Girls Senior Secondary School, The Mall, Solan, Himachal Pradesh on May 18, 2017. Apart from giving orientation on new and emerging areas in Biotechnology and Electronics, the students were given hands on experience on various tools and techniques

being used in microbial staining, KOH string test, plant tissue culture, use of digital pH meter and micropipettes and robotics etc. Overall about 170 students of class 10+1 and +2 along with teachers were participated in the workshop. The workshop was very interactive and observed special interest of students towards Sciences.



SPORTS MANIA



The JUIT sports teams were participated in 'AAROHAN, the IIT Ropar's 2nd Annual Fest held during March 18-19, 2017. Over 350 students of 10 different educational institutes were participated in the event. The JUIT won medallions in the sports event, given in attached table.

Event	Medal
Cricket (Boys)	Gold Medal
Basketball (Boys)	Silver Medal
Volley Ball (Girls)	Silver Medal
Badminton (Girls)	Silver Medal

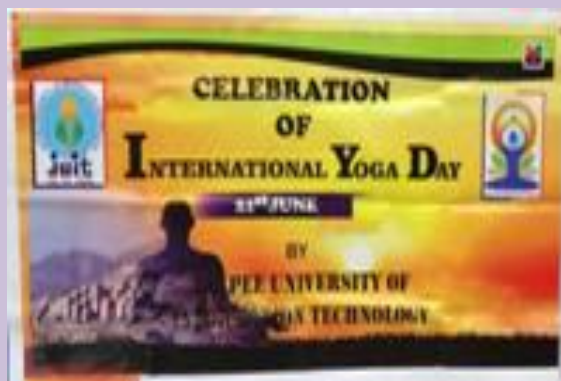




INTERNATIONAL YOGA DAY CELEBRATED

The International Yoga Day was celebrated in Jaypee University of Information Technology, Waknaghat on 21st June 2017 in the main Auditorium of JUIT during 7:15AM to 8:30AM. Prof. Samir Dev Gupta (Director) and Brig.(Retd.) K K Marwah (Registrar and Dean Student's Welfare) along with many faculty members, staffs and students participated in

the event. It was a successful event coordinated by the faculty in charge Dr. Rakesh K Bajaj and conducted by Mr. Girish Kumar (Sports in Charge) as Yoga instructor. Participants were made aware of the relevance of the yoga in daily life with the demonstration of various useful asanas.



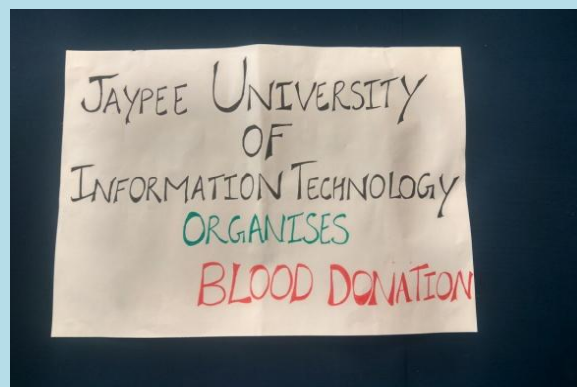
BLOOD DONATION

Five minutes of your time + 350 ml. of your blood = One life saved



The blood you donate gives 'someone' another chance of life. One Day that 'someone', may be a close relative, a friend, a loved one or even you.

Jaypee University of Information Technology, Waknaghat in collaboration with Rotaract Club has organized a blood donation camp at University Campus on April 8, 2017. An expert team of Doctors from Kamla Nehru Hospital, Shimla helped in organizing this blood donation camp at JUIT campus. Environment Club, a wing of Jaypee Youth Club coordinated this event. In total, whopping hundred units of blood generosity were collected.



LE FIESTUS 2017

(Knight in the Shining Armour)

The vision of JUIT's annual cultural fest, Le Fiestus, once again gave the students a wee idea of refinement. JUIT Youth Club successfully organized Le Fiestus-2017 during April 28-30, 2017 which was the duration of absolute unadulterated portrayal of talent and vigour. The evening themed as Knight in the Shining Armour embellished the sanctity of JUIT.

Day-1 (Cultural Night)

The Cultural night began with the auspicious lamp lighting ceremony followed by words of wisdom by Hon'ble Vice Chancellor, Prof. Vinod



Kumar and speech by the President and Secretary of JYC. The show in house had a bunch of dances packed for the audience along with "Vogue", the fashion show. The participants showed great enthusiasm while dancing and the lifts they could perform during ramp, all this was a thrill to watch. But say whatever, Naati and Bhangra always steal the



charm off the other performances. And yet again, with the folklore they had in store even faculty members couldn't help but dance to the beats. Congratulations to the cultural club for their hard work which showed in all the tasteful performances of the evening.

Day-2

The day began with a Saraswati pooja organized in the academic block. While the faculty and the coordinators prayed desperately for the fest to go well. Events by Movie club were organised in the academic block which had in store events



for the faculty and students both. Meanwhile in the Mughals (Garden) various fun stalls were put up by the Clubs of JYC. War of Bands was full of enthusiasm from the students who enjoyed the show and made them do "head banging" each time they heard a beat. Later that evening, as Gajendra Verma (Bollywood



Artist) took the stage, the audience was awed. With a brief touch of simplicity and flavour, Mr. Verma made everyone dance to his fusion of Shape of You and Mann Mera. Rain came in a while, people did enjoy the rain dancing for few minutes but heavy showers started and Zephyrtone wasn't lucky enough to perform.

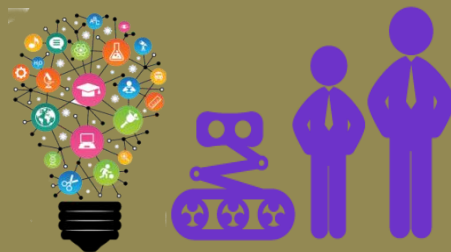
Day-3

Again events were organised by the clubs in the academic block and fun events in the mughals in the afternoon. Later competitions like Monodanza and Mr. & Ms. Le Fiestus were

organised in the Auditorium, which was followed by the prize distribution ceremony and the most awaited ramp of JYC members. Deepak Rathore's Band performance was soothing and peaceful. Hardy Sandhu's (Punjabi singer) performance was up next. The crowd welcomed him with loads of cheers and shouts. The Punjabi singer started rocking the audience with his wonderful gift of music, and literally made people lose their senses and dance on his tunes. With this concert wrapped up, and so did the fest.



R&D EXPO



An event R&D Expo was conducted on May 6, 2017. It got overwhelming response from students of all branches at JUIT, Wagnaghat. There were 40 project presentations including hardware and software projects with total participation of nearly 100 students. The displayed and presented projects were evaluated by the team of faculty members of

various departments. The best projects were selected and given prizes in different categories.

The event was coordinated by Mr. Janit Bansal, Chair, IEEE JUIT-SUB under the mentorship of Dr. Meenakshi Sood, Branch Counsellor of IEEE JUIT-SB.



INTRA-HOSTEL GENERAL APTITUDE TEST

An Intra-Hostel General Aptitude Test (IGAT) event was conducted on 8th March 2017 in LT-2 (Vivekanand Bhawan) of the JUIT. The event was aiming to motivate students to prepare for general aptitude which is the basic requirement for placements in every good MNCs, MNEs and Firms. It was also conducted to promote a study friendly environment in the hostels. The registration for event was not keeping any entry fee and process of registration was done online using a google form. A window of two days was kept open for online registration, i.e. March 6-7, 2017. In total, 75 students were registered for the event. The results for the contest were declared on Monday, March 27th 2017. Mr. Pushpak Passey secured the 1st position and won a Pen Drive as prize, Mr. Shubham Sharma stood second and Mr. Sarthak Nagpal stood third. They also got prize of Pen drives of 16GB and 8GB respectively. The winners were also received Certificate of Achievement' from the Hon'ble Vice Chancellor, Prof. Vinod Kumar along with announced prizes.

The event was planned and coordinated by Dr. Rakesh Kumar Bajaj, warden.



MODEL UNITED NATION (MUN)

The JUITMUN '17 was held on the 18th and 19th of March, 2017. It was the biggest event of its category in Himachal Pradesh and was conducted in partnership with the United Nations Information Centre (UNIC) for India and Bhutan. This event was conducted with a view to educate the youth about the functioning of the world's largest forum for the various nations - The United Nations Organization. The two day conference was attended by various schools and colleges of the region and saw mass participation and interest in gaining knowledge about the UNO.

The conference consisted of two councils. The first council was the United Nations Human Rights Commission which aimed to dispel the menace that is Human Trafficking through the out of the box solutions provided by the students, who acted as delegates of various countries. The second council was the United Nations Convention on the Law of the Sea

which was conceptualised with the agenda to solve international maritime and territorial disputes. Both the councils witnessed two days of rigorous debating, policy and alliance making, and finally churning out a resolution which



could be brought into effect in the real world. The conference was a major success in all aspects and was revered by all participating institutions.



FACULTY IN SPOTLIGHT



Dr. Poonam Sharma, Assistant professor (Senior Grade), Department of Biotechnology and Bioinformatics has been awarded a major research project (EMR/2016/004791) for three years (2017-2020) by **Department of Science and Technology under Extra Mural Research scheme by SERB** of amount Rs. 2250600/- entitled as, "**Physico-chemical Study of Flavonoid - Surfactant Interaction: Utilization in Neomycin Topical Formulation**".



The Department of Biotechnology (DBT), Government of India and the Indo-US Science and Technology Forum (IUSSTF) has awarded **Dr Raghu Yennamalli** from the Department Of Biotechnology and Bioinformatics of JUIT the prestigious Bioenergy-Awards for Cutting Edge Research (B-ACER) Program 2017 for 3 months in the University of Wisconsin-Madison, USA.



Dr Gunjan Goel got best oral Presentation Award at National Conference on Advances in Food Science and Technology (AFST 2017), Eternal University, Himachal Pradesh) entitled "Inhibition of Quorum Sensing Mechanism : a possible application in inhibition of biofilm formation by food borne pathogen", held in the Eternal University, Baru Sahib, HP, during 24-25 March, 2017.



Dr. Rajesh Kumar has joined back in the Department of Physics and Materials Science on 30th June 2017 after one year leave. He has worked as Visiting Professor at Gwangju Institute of Science and Technology, South Korea on a collaborative research project related to the fabrication of optical imaging system (3D hemispherical compound eye) for enhanced viewing angle with high resolution.

FACULTY PROMOTIONS



Dr. Punit Gupta

- Department of CSE/IT
- Promoted to Assistant Professor (Senior Grade)



Dr. Suman Saha

- Department of CSE/IT
- Promoted to Assistant Professor (Senior Grade)



NEW FACULTY ON BOARD



**Dr. Sakshi
Khanna**

Joined on
03.03.2017 as
Asstt. Prof. in
HSS



**Ms.
Geetanjali**

Joined on
03.03.2017 as
Asstt. Prof. in
CSE/IT



**Dr. Gyani
Jail Singh**

Joined on
04.03.2017 as
Asstt. Prof. in
CE



**Dr. Harsh
Sohal**

Joined on
27.03.2017 as
Asstt. Prof. in
ECE



**Dr. Emjee
Puthooran**

Joined
31.03.2017 as
Asstt. Prof. in
ECE



**Mr. Kaushal
Kumar**

Joined on
01.04.2017 as
Asstt. Prof. in
CE



**Dr. Vikas
Baghel**

Joined
01.04.2017 as
Asstt. Prof. in
ECE



**Dr. Yugal
Kumar**

Joined on
01.05.2017 as
Asstt. Prof. in
CSE/IT



**Mr. Nishant
Jain**

Joined on
01.05.2017 as
Asstt. Prof. in
ECE



**Dr. Papiya
Lahiri**

Joined on
08.05.2017 as
Asstt. Prof. in
HSS



**Mr. Anil
Kumar**

Joined on
17.05.2017 as
Asstt. Prof. in
CE



**Ms.
Poonam**

Joined on
17.05.2017 as
Asstt. Prof. in
CE



**Dr. Naveen
Jaglan**

Joined on
03.06.2017 as
Asstt. Prof. in
ECE

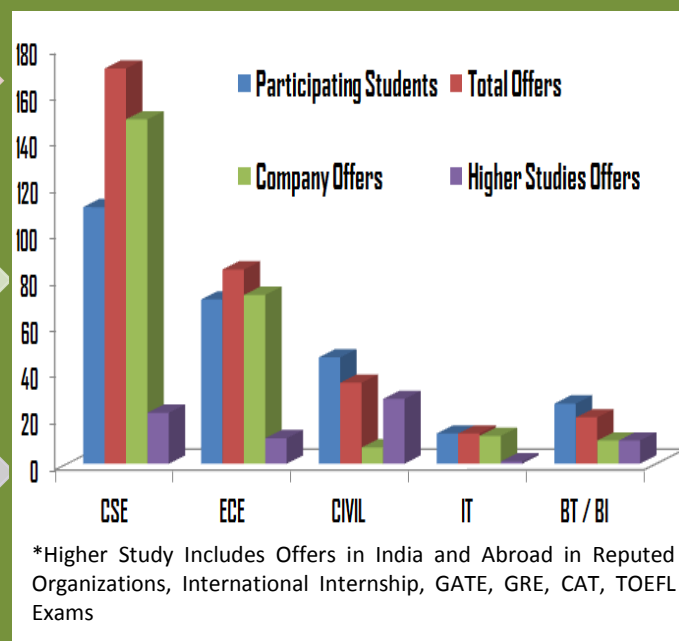
PLACEMENT & TRAINING



Highest package offered to JUIT students of 26 Lakhs per annum by Amazon.com

251 Company offers and received for 267 participating students

64 companies visited JUIT in 2017, of which 26 Companies offered CTC > Rs 5 Lakhs per annum



OVER ACHIEVERS OF 2016-17



PALLAVI RAJ SHARMA

BT - 131552

GATE AIR 130

University / Institute Selections in

*University of Tübingen, Germany

*University of Groningen, Netherlands

*IIT Bombay, IIT Delhi, IIT Kanpur, IIT Hyderabad

Joined: Ph.D. at IISc, Bangalore



SHOBHANKAR RAJVANSHI

CSE - 131212

XAT Score (2017): 99.288

Company Selections in:

*Ernst & Young

*Infosys

*Cognizant

Joined: MBA at XLRI, Jamshedpur

IEEE - OUTSTANDING STUDENT BRANCH VOLUNTEER AWARD



Janit Bansal



Aashrita Goel

The JUIT students, Janit Bansal (141227), Chairperson, IEEE JUIT Student Branch and Aashrita Goel (141290), Vice – Chairman, IEEE JUIT Student Branch have been awarded the 'Outstanding Student Branch Volunteer Award' for the session 2016-17. The award is given in recognition of exemplary contribution and dedication to IEEE and its activities.

DR J. K. PAL MEMORIAL AWARD



Dilpreet Singh

The JUIT student, Mr. Dilpreet Singh, ECE, Final Year, conferred Dr. J K Pal Memorial Award for the Best IEEE Student Member in the year 2016-17.

SUB LIEUTENANT IN SHORT SERVICE COMMISSION (LOGISTICS CADRE)



Ms. Shailja Rana (142007), M-Tech, Electronics and Communication Engineering, 2014-16 batch has been selected as Sub Lieutenant in Short Service Commission (Logistics Cadre) in the Executive Branch of Indian Navy.

NASA SPACE CHALLENGE AWARD

NASA Space Challenge 2017 - Special Appreciation (GALACTIC PROBLEM SOLVER) awarded to Dilpreet Singh along with his team members, Himank log, Saksham Thakur, Rishi Chawla, Anmol Mahajan and Anshul Chauhan.



LIEUTENANT IN INDIAN ARMY

Mr. Sachit Sharma (121709), Ex JUIT Student (Civil Dept.) has been appointed as Lieutenant in Indian Army (Officer Rank). Prior joining to Indian Army, he was also selected by Indian Coast Guard as Asst. Commandant.

JUIT congratulate him on this achievement..!!

शिमला के सचिit शर्मा सेना में लेफ्टिनेंट

■ विशेष संवाददाता, शिमला

शिमला के सचिit शर्मा भारतीय सेना में लेफ्टिनेंट बने हैं। उन्होंने जेपी यूनिवर्सिटी वाकनापाट सोलन से बीटेक सिलिल की डिग्री हासिल की है। इससे पूर्व उनकी स्कूली शिक्षा शिमला के सेंट एडवर्ड स्कूल से हुई थी। इस मेधावी युवा की प्रतिभा को देखते हुए भारतीय वायु सेना ने उन्हें प्रशसन्निक शाखा में चयनित किया है। यही नहीं, भारतीय कोस्ट गार्ड ने भी उन्हें सहायक कमांडेंट के पद की ऑफर दी है। सचिit शर्मा स्कूल स्तर से ही मेधावी छात्र रहे हैं। जेपी यूनिवर्सिटी में भी उन्होंने बीटेक सिलिल में बेहतरीन प्रदर्शन किया था। उनकी माँ डा. अनु शर्मा सेंट एडवर्ड स्कूल में केमिस्ट्री की अध्यापिका हैं और पिता मनोज शर्मा चर्वटन एवं उड्डयन विभाग में अतिरिक्त निदेशक के पद पर कार्यरत हैं। सचिit शर्मा का कहना है कि अपने दादा रिटायर्ड आईएएस अधिकारी स्व. टीआर शर्मा से प्रेरणा लेकर उन्होंने यह मुकाम हासिल किया है।



INNOVATION AWARD

Mr. Gorky (131579) of Biotechnology and Bioinformatics Department of JUIT, won the Third prize for biogas digester design at Jaypee Innovation Conclave organized by IPR and Patenting Activities Committee, JUIT Noida. The model was developed by Mr. Gorky under the guidance of Dr. Sudhir Kumar and Dr. Ashish Kumar.





PH.D SNAPSHOT

Ms. **Abhilasha Chauhan** (116802) of Department of Humanities and Social Sciences has successfully completed her Ph.D on 'DESTINATION IMAGE OF SELECTED TOURIST DESTINATIONS: MEASUREMENT, ANALYSIS & IMPLICATIONS' under the supervision of Dr. Anupriya Kaur on March 25, 2017.



Mr. **Swapnil Jain** (116555) of Department of Biotechnology and Bioinformatics has successfully completed his Ph.D on 'MOLECULAR CHARACTERIZATION OF GROUP A ROTAVIRUSES PREVALENT IN HIMACHAL PRADESH' under the supervision of Dr. Harish Changotra on March 27, 2017.



Mr. **Ashwani Kumar** (126204) of Department of Computer Science and Engineering has successfully completed his Ph.D on 'ON EFFICIENT AND SECURE MODIFIED BUYER-SELLER WATERMARKING PROTOCOL' under the supervision of Dr. S P Ghrera on March 27, 2017.



Mr. **Salman Raju Talluri** (106003) of Department of Electronic and Communication Engineering has successfully completed his Ph.D on 'ANALYSIS OF TRANSMISSION LINE MODELS WITH NON-LINEAR ELEMENTS FOR OPPOSITE PHASE AND GROUP VELOCITIES' under the supervision of Dr. Sunil V Bhoshan on April 1, 2017.



Ms. **Sakshi Khanna** (116801) of Department of Humanities and Social Sciences has successfully completed her Ph.D on 'AN EMPIRICAL ANALYSIS OF THE ASSOCIATION BETWEEN CAPITAL STRUCTURE AND FINANCIAL PERFORMANCE OF INDIAN FIRMS IN THE CONTEXT OF THE EQUITY MARKET' under the supervision of Dr. Amit Srivastava on April 6, 2017.



Mr. **Madan Mohan Sati** (126851) of Department of Mathematics has successfully completed his Ph.D on 'GENERALIZATION AND PROPERTIES OF VARMA AND TSALLIS ENTROPIES' under the supervision of Dr. Harinder Singh and Dr. Nitin Gupta on April 15, 2017.



Ms. **Niharika Singh** (106563) of Department of Biotechnology and Bioinformatics has successfully completed her Ph.D on 'CHARACTERIZATION OF QUORUM SENSING MEDIATED BIOFILM FORMATION AND ITS INHIBITION IN CRONOBACTER SAKAZAKII STRAINS' under the supervision of Dr. Gunjan Goel on May 2, 2017.



Ms. **Shivani Sood** (106558) of Department of Biotechnology and Bioinformatics has successfully completed her Ph.D on 'ESTABLISHMENT AND VALIDATION OF MYCOBACTERIUM FORTUITUM MODEL FOR MYCOBACTERIUM TUBERCULOSIS PERSISTENT INFECTION' under the supervision of Dr. Rahul Shrivastava on May 4, 2017.



Ms. **Deepika Sharma** (106553) of Department of Biotechnology and Bioinformatics has successfully completed her Ph.D on 'OPTIMIZATION OF LIGNOCELLULOTYTIC ENZYME COCKTAIL PRODUCTION FROM COTYLIDIA PANNOSA AND ITS APPLICATION IN BIOETHANOL PRODUCTION AND DYE DECOULARISATION' under the supervision of Dr. Gunjan Goel May 13, 2017.



Mr. **Varun Kumar** (126563) of Department of Biotechnology and Bioinformatics has successfully completed his Ph.D on 'MODULAR DESIGN OF PICROSIDES BIOSYNTHESIS UNRAVELLED THROUGH INTERMEDIATES FLUX DYNAMICS VIS-A-VIS EXPRESSION ANALYSIS OF PATHWAY GENES IN A EDICINAL HERB, PICRORHIZA KURROAROYLE EX BENTH' under the supervision of Dr. R S Chauhan on May 20, 2017.



Mr. **Sita Sharan Patel** (116753) of Department of Pharmacy has successfully completed his Ph.D on 'INVESTIGATION OF THE EFFECT OF STINGING NETTLE EXTRACT ON NEUROLOGICAL ALTERATIONS DURING COMORBIDITY OF DEPRESSION AND TYPE 2 DIABETES' under the supervision of Dr. Malairaman Udayabanu on May 22, 2017.



NEW BOOKS PUBLISHED

'SPECTRUM SHARING IN COGNITIVE RADIO NETWORKS' published by Springer

Authored by

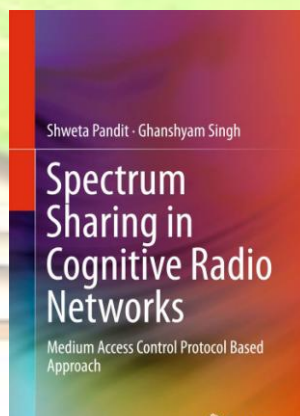
Dr. Shweta Pandit, Asstt. Professor and
Dr. Ghanshyam Singh, Professor, of
Electronics & Communication



**Dr. Shweta
Pandit**



**Prof. Ghanshyam
Singh**



**Spectrum Sharing in
Cognitive Radio
Networks: Medium
Access Control Protocol
Based Approach**

**2017, Springer
International Publishing,
DOI 10.1007/978-3-319-
53147-2, ISBN 978-3-
319-53146-5**

'ADVANCES IN COMPUTING AND DATA SCIENCES' published by Springer



**Dr. Pradeep K. Gupta, Assistant Professor,
Department of Computer Science and
Engineering has edited the Book Title**

**"Advances in Computing and Data Sciences"
published by Springer Singapore.**

**Editors: Singh, M., Gupta, P.K., Tyagi, V., Sharma, A.,
Ören, T., Grosky, W.**

**Date of Publication: July 2017. ; Number of
Pages: XXIV, 638**

ISBN: 978-981-10-5427-3



ACADEMIC OUTREACH



Dr. Meenakshi Sood, Assistant Professor, Department of Electronics and Communication Engineering, Chaired a session in 11th INDIACom: 4th International Conference on Computing for Sustainable Global Development, held at BVICAM, New Delhi during March 1-3, 2017.



Dr. Shruti Jain, Associate Professor, Department of Electronics and Communication Engineering, Chaired a session in 11th INDIACom: 4th International Conference on Computing for Sustainable Global Development, held at BVICAM, New Delhi during March 1-3, 2017.



Dr. Pankaj Sharma, Assistant Professor, Department of Physics and Materials Science spoken as Resource Person on the topic 'Optical band Gap Tuning of Pure and Transition Metal Doped Cadmium Sulphide Nano films' in a workshop on Frontier in Physics (AWFP – 2017), held in Department of Physics, Himachal Pradesh University, Shimla during March 17-18, 2017.



Dr. Sudhir Kumar, Associate Professor, Department of Biotechnology and Bioinformatics delivered a talk as Resource Person on Electronic Waste at Government College, Sanjauli, Shimla Himachal Pradesh on March 16, 2017.

Dr. Sudhir Kumar, Associate Professor, Department of Biotechnology and Bioinformatics delivered an invited talk on Electronic Waste Management' at Rotary Town-hall, Shimla, Himachal Pradesh on April 21, 2017.

ACADEMIC CONNECT

PARTICIPATION IN CONFERENCE/SEMINAR/WORKSHOP



Dr. **Ashwani Sharma**, Assistant Professor, Department of Electronics and Communication Engineering, attended a seminar on 'Shimla Smart City Project', conducted by Municipality Shimla, Shimla on March 4, 2017.

Dr. **Ashish Kumar**, Associate Professor, Department of Civil Engineering attended a seminar on Renewal Energy Sustaining a Green Future organised by ENVIS Centre, State Council for Science, Technology & Environment, HP in collaboration with TERI, New Delhi, on March 23, 2017 on March 23, 2017.

Dr. **Sudhir Kumar**, Associate Professor, Department of Biotechnology and Bioinformatics attended a seminar on Renewal Energy Sustaining a Green Future organised by ENVIS Centre, State Council for Science, Technology & Environment, HP in collaboration with TERI, New Delhi, on March 23, 2017 on March 23, 2017.

Dr. **Sudhir Kumar**, Associate Professor, Department of Biotechnology and Bioinformatics attended an International

Conference on Innovative Research in Engineering, Science & Technology organized by Eternal University, Baru Sahib, Himachal Pradesh during April 7-8, 2017.

Dr. **Meenakshi Sood**, Assistant Professor, Department of Electronics and Communication Engineering, attended Two days workshop on 'LabVIEW'. Organized by Jaypee University of Information Technology, Wanknaghat, Himachal Pradesh during April 12-13, 2017.

Dr. **Shruti Jain**, Associate Professor, Department of Electronics and Communication Engineering, attended Two days workshop on 'LabVIEW'. Organized by Jaypee University of Information Technology, Wanknaghat, Himachal Pradesh during April 12-13, 2017.

Dr. **Meenakshi Sood**, Assistant Professor, Department of Electronics and Communication Engineering, attended One day workshop on 'A Foundation Program on Data Science using Statistica', organized by Jaypee University of Information Technology, Wanknaghat, Himachal Pradesh in collaboration with Grid Analytics India during April 21, 2017.

Dr. **Shruti Jain**, Associate Professor, Department of Electronics and Communication Engineering, attended One day workshop on 'A Foundation Program on Data Science using Statistica', organized by Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh in collaboration with Grid Analytics India during April 21, 2017.

Dr. **Ashwani Sharma**, Assistant Professor, Department of Electronics and Communication Engineering, attended a Two days workshop on 'Virtual Labs', conducted by IIT Roorkee at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during April 28-29, 2017.

Dr. **Emjee Puthooran**, Assistant Professor, Department of Electronics and Communication Engineering, attended a Two days workshop on 'Virtual Labs', conducted by IIT Roorkee at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during April 28-29, 2017.

Dr. **Meenakshi Sood**, Assistant Professor, Department of Electronics and Communication Engineering, attended a Two days workshop on 'Virtual Labs', conducted by IIT Roorkee at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during April 28-29, 2017.

Dr. **Shruti Jain**, Associate Professor, Department of Electronics and Communication Engineering, attended a Two days workshop on 'Virtual Labs', conducted by IIT Roorkee at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during April 28-29, 2017.

Dr. **Vikas Baghel**, Assistant Professor, Department of Electronics and Communication Engineering, attended a Two days workshop on 'Virtual Labs', conducted by IIT Roorkee at Jaypee University of Information Technology,

Wagnaghat, Himachal Pradesh held during April 28-29, 2017.

Dr. **Emjee Puthooran**, Assistant Professor, Department of Electronics and Communication Engineering, attended a Four days workshop on 'Virtual Labs College Cloud Edition', conducted by IIIT Hyderabad at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during May 9-12, 2017.

Dr. **Meenakshi Sood**, Assistant Professor, Department of Electronics and Communication Engineering, attended a Four days workshop on 'Virtual Labs College Cloud Edition', conducted by IIIT Hyderabad at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during May 9-12, 2017.

Nishant Jain, Assistant Professor, Department of Electronics and Communication Engineering, attended a Four days workshop on 'Virtual Labs College Cloud Edition', conducted by IIIT Hyderabad at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during May 9-12, 2017.

Pardeep Garg, Assistant Professor, Department of Electronics and Communication Engineering, attended a Four days workshop on 'Virtual Labs College Cloud Edition', conducted by IIIT Hyderabad at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during May 9-12, 2017.

Dr. **Shruti Jain**, Associate Professor, Department of Electronics and Communication Engineering, attended a Four days workshop on 'Virtual Labs College Cloud Edition', conducted by IIIT Hyderabad at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh held during May 9-12, 2017.

Dr. **Vikas Baghel**, Assistant Professor, Department of Electronics and Communication Engineering, attended a Four days workshop on

'Virtual Labs College Cloud Edition', conducted by IIIT Hyderabad at Jaypee University of Information Technology, Wanknaghat, Himachal Pradesh held during May 9-12, 2017.

Dr. **Meenakshi Sood**, Assistant Professor, Department of Electronics and Communication Engineering, attended One day seminar on 'Startups & innovative Projects' jointly organized by TIEDC-JUIT and HP Centre for Entrepreneurship Development (HPCED) at JUIT, Wanknaghat, Himachal Pradesh on May 16, 2017.

Pardeep Garg, Assistant Professor, Department of Electronics and Communication Engineering, attended One day seminar on 'Startups & innovative Projects' jointly organized by TIEDC-JUIT and HP Centre for Entrepreneurship Development (HPCED) at JUIT, Wanknaghat, Himachal Pradesh on May 16, 2017.

Dr. **Ashish Kumar**, Associate Professor, Department of Civil Engineering attended a lecture on Water Management delivered by Dr. Rajender Singh (Famously known as 'Waterman of India') during the Environment Week Celebrations organized by HP State Council for

Science and Technology (HPSCS&T) at The Gaiety Theater, Shimla on June 1, 2017.

Dr. **Sudhir Kumar**, Associate Professor, Department of Biotechnology and Bioinformatics attended a lecture on Water Management delivered by Dr. Rajender Singh (Famously known as 'Waterman of India') during the Environment Week Celebrations organized by HP State Council for Science and Technology (HPSCS&T) at The Gaiety Theater, Shimla on June 1, 2017.

Dr. **Harsh Sohal**, Assistant Professor, Department of Electronics and Communication Engineering attended two days workshop on 'Futuristic trends of Nano-electronics, MEMS and NEMS, organized by C-DAC Mohali, Punjab during June 22-23, 2017.

Dr. **Neel Kanth**, Assistant Professor, Department of Mathematics has attended country-wide Awareness Programme on 'National Academic Depository', organized by UGC on June 23, 2017 at Panjab University, Chandigarh.



INTELLECTUAL CAPITAL

BOOKS PUBLISHED

Kumar P, Singh AK, Ghrera SP. (2017). Proceedings of 2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC). IEEE USA: IEEE Xplore digital Library. ISBN: 978-1-5090-3668-4.

Singh M, Gupta PK, Tyagi V, Sharma A, Oren T & Grosky W. (2017). Advances in Computing and

Data Sciences published by Springer Singapore. ISBN: 978-981-10-5427-3

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ARTICLES IN JOURNALS

Abbot, V., Sharma, P., Dhiman, S., Noolvi, M. N., Patel, H. M., & Bhardwaj, V. (2017). Small hybrid heteroaromatics: resourceful biological tools in cancer research. *RSC ADVANCES*, 7(45), 28313-28349.

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Jaglan, N., Kanaujia, B. K., Gupta, S. D., & Srivastava, S. (2017). Design and Development of an Efficient EBG Structures Based Band Notched UWB Circular Monopole Antenna. *Wireless Personal Communications*, 1-27. DOI: 10.1007/s11277-017-4446-2.

Jain, S. (2017). Parametric and non parametric distribution analysis of AkT for cell survival/death. *International Journal of Artificial Intelligence and Soft Computing*, 6(1), 43-55.

Kondal, N., & Tiwari, S. K. (2017). Origin of polychromatic emission and defect distribution within annealed ZnO nanoparticles. *Materials Research Bulletin*, 88, 156-165.

Kondal, N., & Tiwari, S. K. (2017). Selectively enhanced oxygen vacancies in undoped polycrystalline ZnO as a consequence of Multi-Step Sintering. *Ceramics International*. 43(13), 10347-10352.

Kumar A, Singh TR. (2017) Analysis for biological network properties of Alzheimer's disease associated gene set by enrichment and topological examinations, *International Journal of Bioinformatics Research and Applications*, 13(3), 214-222.

Mehta, K., Tyagi, G., Rao, A., Kumar, P., & Chauhan, D. S. (2017) Modified Locally Linear Embedding with Affine Transformation. *National Academy Science Letters*, 40(3), 189-196.

Punhani, A., Kumar, P., & Nitin, N. (2017). Level Based Routing Using Dynamic Programming for 2D Mesh. *Cybernetics and Information Technologies*, 17(2), 73-82.

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Punhani, A., Kumar, P., & Nitin, N. (2017). A Modified Diagonal Mesh Shuffle Exchange

Interconnection Network. *International Journal of Electrical and Computer Engineering (IJECE)*, 7(2), 1042-1050.

Rana, R., Ganguly, R., & Gupta, A. K. (2017). Physico-chemical characterization of municipal solid waste from Tricity region of Northern India: a case study. *Journal of Material Cycles and Waste Management*, 1-12.

Rathee, G., & Saini, H. (2017). Weight Trusted Routing Mechanism for Hierarchical Mesh Environments. *International Journal of Distributed Systems and Technologies (IJDST)*, 8(3), 25-42

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Sharma S, Jain S, Bhusri S (2017). Two Class Classification of Breast Lesions using Statistical and Transform Domain features. *Journal of Global Pharma Technology (JGPT)*, 9(7), 18-24.

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Sharma, O., & Saini, H. (2017). Performance Evaluation of VM Placement Using Classical Bin Packing and Genetic Algorithm for Cloud Environment. *International Journal of Business Data Communications and Networking (IJBDCN)*, 13(1), 45-57

Sharma, R., Thakur, P., Sharma, P., & Sharma, V. (2017). Ferrimagnetic Ni ²⁺ doped Mg-Zn spinel ferrite nanoparticles for high density information storage. *Journal of Alloys and Compounds*, 704, 7-17.

Shukla, S., Misra, R., & Prasad, A. (2017). Efficient disjoint boundary detection algorithm for surveillance capable WSNs. *Journal of Parallel and Distributed Computing*, 109, 245-257.

Singh, N., Raghav, M., Narula, S., Tandon, S., & Goel, G. (2017). Profiling of Virulence Determinants in *Cronobacter sakazakii* Isolates from Different Plant and Environmental

Commodities. *Current Microbiology*, 74(5), 560-565.

Singh, P., Kaur, R., Sharma, P., Sharma, V., Mishra, M., Gupta, G., & Thakur, A. (2017). Optical band gap tuning of Ag doped Ge₂Sb₂Te₅ thin films. *Journal of Materials Science: Materials in Electronics*, 28, 11300-05.

Singh, P., Sharma, P., Sharma, V., & Thakur, A. (2017). Linear and non-linear optical properties of Ag-doped Ge₂Sb₂Te₅ thin films estimated by single transmission spectra. *Semiconductor Science and Technology*, 32(4), 045015.

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