



A Newsletter of JUIT

# HILLY RAMBLINGS

VOLUME 7 | ISSUE 3 | (MARCH – JUNE 2018)



## IN THIS ISSUE:

NIRF Ranking 2018

ETVC - 2018

Le Fiestus – 2018

Faculty Corner

STBMS - 2018

R&D Expo

International Yoga Day

Student Corner

MoU

Alumni Meet

Educational Tours

Scholarly Publications

Expert Lectures

Outreach activities

Industrial Visits

More updates....



## Jaypee University of Information Technology

Waknaghat, P.O. Waknaghat

Teh. Kandaghat, Distt. Solan

Himachal Pradesh – 173234 (INDIA)

Ph: +91 – 1792-257999

Suggestions and comments may kindly be sent to  
[suresh.kumar@juit.ac.in](mailto:suresh.kumar@juit.ac.in)

In the National Institutional Ranking Framework (NIRF) of MHRD, the JUIT ranked **84<sup>th</sup>** among all Engineering Institutes in the Country.

ENGINEERING	
RANK	INSTITUTE
84	Jaypee University of Technology, Solan, HP

TLR (100)	RPC (100)	GO (100)	OI (100)	PERCEPTION (100)
45.26	16.66	53.23	55.70	21.96

## PARAMETERS

TLR				
	SS	FSR	FQE	FRU
Score	8.63	16.93	9.82	9.88
Total	20	30	20	30

Teaching Learning & Resources (TLR); Student Strength (SS); Faculty Student Ratio (FSR); Faculty with PhD & Exp. (FQE); Fund Utilization (FRU)

RP				
	PU	QP	IPR	FPPP
Score	7.37	8.18	0.5	0.61
Total	35	40	15	10

Research and Professional Practice (RP); Metric for Publications (PU); Metric for Quality Publications (QP); Patents Granted & Filed (IPR); Foot prints of Projects (FPPP)

GO				
	GPHE	GUE	MS	GPHD
Score	22.75	14.45	12.56	3.47
Total	40	15	25	20

Graduation Outcome (GO); Placement (GPHE); Metric for Univ. Exams (GUE); Median Salary (MS); Metric for Graduating student admitted in top univ. & PhD students graduated (GPHD)

OI				
	RD	WD	ESCS	PCS
Score	20.32	15.13	0.25	20
Total	30	30	20	20

Outreach and inclusivity (OI); Region Diversity (RD); % of Women (WD); Economically and Socially challenged Students (ESCS); Facilities for Physically challenged students (PCS)

PR	
PREMP	
Score	21.96
Total	100

Perception (PR); Competitiveness (PREMP)



# JUIT RANKED AS 'BEST PRIVATE UNIVERSITY OF HIMACHAL PRADESH' By Dialogue India

JUIT ranked as 'Best Private University of Himachal Pradesh' By Dialogue India during a 'Dialogue India Academia Conclave & Award function, held at I.I.T. Delhi on 19<sup>th</sup> May 2018.

The award was presented by by Smt Krishna Raj, MP Shahjahanpur, Uttar Pradesh; Hon'ble Union State Minister and Major General G.D. Bakshi (Retd.). Prof S K Kak and Dr A. P. Mittal, Member Secretary AICTE were also graced the occasion'.

Dr. Ashok Kumar Gupta (Professor and HOD Civil Engineering Department) from JUIT received the award.



# MOU WITH SOUTHERN FEDERAL UNIVERSITY, RUSSIA

(28<sup>th</sup> April 2018)



The **JUIT** has signed an MoU with **Southern Federal University, Russia** to develop scientific and educational cooperation.

The Southern Federal University and Jaypee University of Information Technology undertake mutual obligations to admit students from another educational institution that has signed this agreement and agree to re-enumerate disciplines that were studied by students at the host institution in accordance with one of the programs foreseen for this type of cooperation.

Unless otherwise provided, trainee students can pass and course that is available in the curriculum of the host university. Both of these universities agree, taking into account their capabilities to facilitate the mutual exchange of faculty members, if needed. Both universities equally recognize the importance of mutual exchange of information on ongoing scientific events (congresses, colloquiums, conferences, seminars, etc.) and provision of organizing joint events is also made.



(June 4<sup>th</sup> – 9<sup>th</sup>, 2018)

National workshop on 'Statistical Techniques in Biological and Medical Sciences'

# STBMS – 2018

Department of Mathematics and BI/BT Jointly organized a one week **national workshop** on Statistical Techniques in Biological and Medical Sciences (STBMS-2018) during 4-9 June, 2018. It was the second edition of this workshop, coordinated jointly by Dr. Neel Kanth and Dr. Tiratha Raj Singh.

Dr. Suresh Sharma and Dr. Amar Nath Gill, Professors, Dept of Statistics, Panjab University; along with Dr. S K Gupta, Associate Professor, Dept of Mathematics, IIT Roorkee were some of the noted speakers of the event.

Workshop on Statistical Techniques in Biological and Medical Sciences  
STBMS-2018  
Interactive Lectures & Lab sessions by Experts On  
Statistical Tools, Techniques and Their Applications  
Department of Mathematics &  
Department of Biotechnology and Bioinformatics  
JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY  
Waknaghat, Solan  
www.juit.ac.in/stbms\_2018  
stbms2018@gmail.com

**June 04 - 09  
2018**

**Topics to be covered:**

- Descriptive and Inferential Statistics
- Correlation and Regression: Product Moment Correlation, MRS, Multiple Correlation, Nonlinear Regression (OLS), Logistic Regression
- Experimental Design: Parametric and Non-Parametric, Factor, Cluster and Partial Factorial Designs (2<sup>3</sup>)
- Survival analysis and Statistical Modelling: Logistic, Cox-regression
- OLS, ANOVA, MANOVA, Factorial Designs
- Case Studies on Biological and Biomedical Data
- Lab work using Excel, SPSS, and R

**Speakers**

Dr. Amar Nath Gill,  
Prof. Emeritus

Dr. Suresh Sharma,  
Prof. Emeritus

Dr. S. K. Gupta,  
Prof. Emeritus

**Workshop Coordinators**

Dr. Tiratha Raj Singh  
Mob: +91 9894004665

Dr. Neel Kanth  
Mob: +91 9894227228

**About JUIT**

JUIT is spread over 25 acres of lush green picturesque slopes of Wular Dal, an isolated station of Himalayan foothills, offering a natural environment that can inspire the spirit and energy level of all research and service team to explore their learning efforts.

**Application Procedure:**  
Send your application to the given email in the provided application form. Last date of submission of application is May 20, 2018.

**Registration Fee and Accommodation:**  
Registration fee includes all working lunches/dinner during the program and registration kit along with study material. Accommodation on sharing basis in JUIT hostels will be facilitated.

Participants	Registration Fee
Students (B.Tech)	2500/-
Research Fellows	3000/-
Faculty	4000/-
Industry/Office	5000/-

**With Accommodation:**  
Students (B.Tech) 25,000/-  
Faculty 30,000/-  
Industry/Office 40,000/-

**Without Accommodation:**  
Students (B.Tech) 20,000/-  
Faculty 25,000/-  
Industry/Office 35,000/-

**Jaypee University of Information Technology,  
Waknaghat, Solan  
P.O. Waknaghat, Dist. Solan  
PIN-173 236 (H.P.), India.  
Phone: 01972-238800  
239258**

**03-11 Path, 2018 (Registration Open)**  
**03-11 May, 2018 (Registration Close)**

**JAYPEE**  
SO DREAM TO DO



Organised by JUIT in collaboration with DST-SYST  
Funded Project On “Socio-economic Upliftment of  
High Altitude Farmers of Himachal Pradesh  
Through Transfer of Micropropagation  
Technologies for High Value Medicinal Herbs” On  
7<sup>th</sup> May, 2018 At Archhandi, Kullu, H.P.

(May 7<sup>th</sup>, 2018)

## Workshop on Cultivation of High Value Medicinal Plant through Micropropagation Technology

On 7<sup>th</sup> May, 2018, a one day workshop was organised for farmers' skill development and for their socio-economic up-

liftment at Archhandi, Kullu, by Dr Hemant Sood, Associate professor in the Department of BT&BI, Jaypee University of Information Technology, Wanknaghat. Twenty one farmers from different villages had attended that workshop. In the morning session Dr Hemant Sood had informed the farmers about the cultivation and propagation of different



different schemes run by Department of Cooperation, HP State for providing them benefits.



medicinal plants at high altitude. She provided them information about different techniques for growing medicinal plants and provided demonstration of different techniques in their fields.

Mr Vijay Thakur, Department of Cooperation, HP State, Kullu has also informed the farmers about



The Secretary of The Phati Jana Cooperative Society of Archanddi, Kullu along with farmers from his cooperative society provided the platform to organised this workshop with successful culmination.

Feedbacks were collected from the farmers, which motivates for conducting more workshops and hands on training for their



betterment and skill development. Students (Anaida, Archit, Satyam and Rhythm) and staff (Mrs Mamta Mishra, Mr Kamlesh and Mr Mahinder) contributed significantly for the successful conduct of the workshop. HOD Prof. Sudhir Syal and JUIT administration and DST were deeply acknowledged for the smooth conductance of this workshop.



## MERGING TRENDS IN VLSI AND COMMUNICATION (June 9<sup>th</sup> – 18<sup>th</sup>, 2018)

# ETVC 2018

The Electronics and Communication Engineering department has organised a 10 days FDP on 'Emerging Trends in VLSI and Communication' (ETVC 2018) during 9<sup>th</sup> – 18<sup>th</sup> June 2018 at JUIT campus. The FDP was coordinated and convened by Dr. Meenakshi Sood and Dr. Shruti Jain. The program was inaugurated by Dr. Subhajit Roy Chaudhary, Prof., School of

Computing and Electrical Engineering, IIT Mandi, Prof. Vinod Kumar, Vice Chancellor of JUIT and Prof. Samir Dev Gupta, HOD, Department of Electronics and Communication Engineering. More than 30 faculty members from various universities/ institutes and 20 Research scholars were participated in this FDP.



Dr. Shubhajit Roy Chowdhury, IIT Mandi, Himachal Pradesh talked on a topic 'VLSI: a tale of design or a tale of tools?'. He shared his experience and insights on the topic which was well appreciated by all present in the FDP. Dr. Chowdhury is Doctorate from Jadavpur University. His areas of interest include VLSI Architecture, Biomedical Embedded Systems, Non invasive diagnostic systems etc. Prior to joining IIT Mandi, he was associated with IIIT Hyderabad, Indian Statistical Institute, Kolkata, and Jadavpur University. He was also elected as a member of Award Committee for Gandhian Young Technological Innovation (GYTI) Award by the Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI) in the area of Health Care devices in the year 2018.



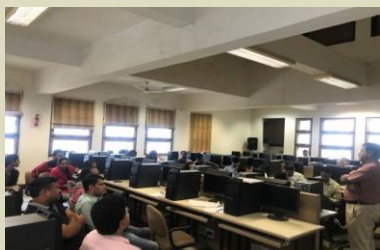
Prof. Dinesh Kant Kumar, RMIT University, Melbourne, Australia also spoke at the occasion. Professor Kumar received his B.Tech in Electrical Engineering from IIT, Madras and Doctorate from IIT, Delhi. He is working as a

Professor in Electrical and Computer Engineering department at RMIT University, Melbourne City, Australia. Prof. Kumar has received over \$4 million as research funds in the last 12 years.

Hands on by various companies:

- a.) Laboratory Virtual Instrument Engineering (LabVIEW, 'G')
- b.) CoreEL Technologies
- c.) AdvanceTech India Pvt Ltd:

The FDP was concluded by Dr. Nishant Jain's lecture on "Programming Paradigm on Optimization Tools" followed by valedictory on June 18, 2018.





# R & D EXPO 2018

(April 13<sup>th</sup> – 14<sup>th</sup>, 2018)

The IEEE JUIT Student Branch in collaboration with TIED Cell of Jaypee University of Information Technology organized a technical event “R&D Expo” for aspirants with a very high competitive spirit to participant and with the strong determination to include their achievements & accomplishments to their resumes. This event was organized with the objective to provide platform for the students to showcase their talent with a competitive spirit. Before the commencement of main event Hon’ble Chief Guests Mr. Tarun Banga (Consultant: Setting up TCoE for Automation / Mobile Testing) and Mr. Alok Kumar Prasad (Associate Vice President, HCL Technologies) shared their experience and vast knowledge in the field of technology, among the aspiring students of JUIT.



IEEE JUIT Student Branch also launched its newsletter “TECHNOVISION” for the session 2017- 18. The event was successful enough to attract as many as 150 registrations for two-day event which included both Hardware and Software project exhibition as well as Poster presentations. There were 17, 12 and 16 Software Projects, Hardware Projects and Poster presentations, respectively.



Some of the JUIT faculties were judging the projects. As far as poster presentation was concerned, many innovative ideas were displayed by the students which were well acknowledged. All three tracks were judged by the Chief Guests.

## Projects that bagged prizes

SOFTWARE	HARDWARE	POSTER
Lab Automation System	Hello Leaf	Automated Water Monitoring System using IoT and Reflectometry
All Safe	Keyboard for blind, based on Braille	FOG Solution
Net Banking	Electromusical Arm	Self Driving Car



Workshop on

# DESIGN OF TALL BUILDINGS

(March 10<sup>th</sup> – 11<sup>th</sup>, 2018)

The Civil Engineering Consortium (CEC) has successfully organized a two days workshop on “Design of Tall Buildings” which was conducted by Mr. Hemant from Innovian’s Technologies for Civil Engineering students on 10<sup>th</sup> -11<sup>th</sup>

March, 2018. In this workshop 65 students participated & certificates were also provided from the company. There were four sessions of 3hrs each (from 09:00am - 12pm & 02:00pm - 05:00pm).





# GUEST LECTURE

By Mr. Prateek Gupta and Bhavin Shah  
(March 23<sup>rd</sup>, 2018)

The Civil Engineering Consortium (CEC) along with TIED Cell, organized a Guest Lecture on 23rd March, 2018 in LT3 from 2:00-6:00pm which was attended by 250 students.

In Entrepreneurship session Mr. Prateek Gupta (CEO & FOUNDER OF INNOVIANS TECHNOLOGIES) discussed about

- His own success story.
- How to turn failure into success?
- How Learning Attitude helped him in his Entrepreneurship journey?
- Concluded the session by giving advice to the future Entrepreneur.

Whereas Mr. Bhavin Shah (CEO AT VMS) shared his experience regarding

- His Personal story
- Scope after Civil Engineering

- Skills Required for Civil Engineers
- Professional Liability
- Future Trends in Civil Engineering
- And concluded the session by sharing few secrets of success.

In motivational session Mr. Prateek Gupta covered the following topics.

- Develop Learning & Never Give Up Attitude.
- Importance of Dreams & Goals in our life.
- Need of Personal Development.
- Why we fail in life?
- Importance of Positive & Negative thinking in our life.
- Art of Communication
- Success Mantra.



# GUEST LECTURE

by Dr. Mohar Singh of ICAR-NBPGR, Shimla  
(March 16<sup>th</sup>, 2018)

JUIT ACM student Chapter and IPR Cell JUIT and Department of Biotechnology and Bioinformatics of JUIT jointly organized a Guest lecture of Dr. Mohar Singh, Principle Scientist ICAR-NBPGR Research Station, Shimla. The Topic of lecture was “Plant Genetic Resources: What can they contribute toward breaking yield barriers: a case study in grain legumes”.

Dr. Anil Kant, Associate Professor, Department of BT/BI welcomed guest on behalf of JUIT ACM student chapter and IPR Cell and apprised audiences with brief biota of Dr Mohar Singh. Dr Mohar Singh presented a detailed account of activities of NBPGR, importance of

conservation, evaluation, characterization of plant genetic resources and pre-breeding and breeding of such germplasm into cultivated material. He also presented outcome of his own research work in this area, which was mainly focused on grain legume crops including lentils and chickpea. The lecture was attended by Faculty members including HOD of Biotechnology and Bioinformatics, HOD Computer Science Engineering & IT, PhD, M.Tech., B. Tech., Biotechnology students and volunteers of JUIT ACM student chapter. Prof. Sudhir Kumar presented a memento as token of honour and proposed a vote of thanks on behalf of the University.

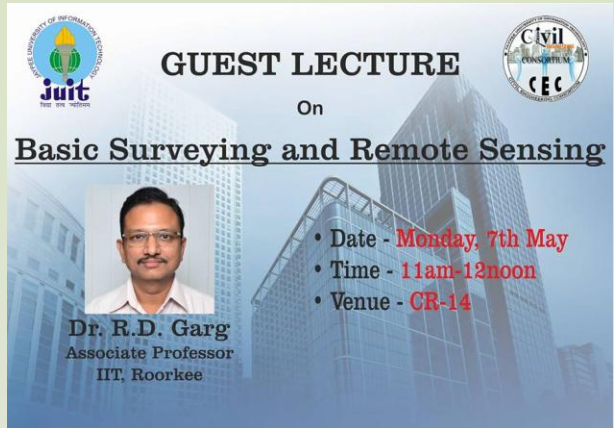




# GUEST LECTURE

by Dr. R D Garg, Associate Professor, IIT Roorkee  
May 7<sup>th</sup>, 2018

The Civil Engineering Consortium (CEC) of Civil Engineering Department organised Guest Lecture on Basic Surveying and Remote Sensing on 7 May 2018. Dr. R D Garg, Associate Professor, IIT Roorkee was the keynote speaker. He introduced the students with basic concepts of Remote surveying and its application in Civil Engineering especially in Water resource Management and Town planning and management. Around 70 students were present in the lecture.



The poster features the JUIT logo on the top left and the Civil Engineering Consortium (CEC) logo on the top right. The background is a blue-tinted image of a modern building. The text on the poster reads: "GUEST LECTURE On Basic Surveying and Remote Sensing". Below this, there is a portrait of Dr. R.D. Garg, Associate Professor at IIT Roorkee. To the right of the portrait, the event details are listed: "Date - Monday, 7th May", "Time - 11am-12noon", and "Venue - CR-14".

**GUEST LECTURE**  
On  
**Basic Surveying and Remote Sensing**

**Date - Monday, 7th May**  
**Time - 11am-12noon**  
**Venue - CR-14**

**Dr. R.D. Garg**  
Associate Professor  
IIT, Roorkee

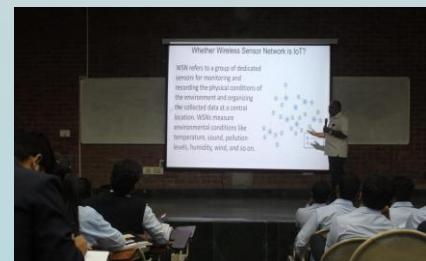
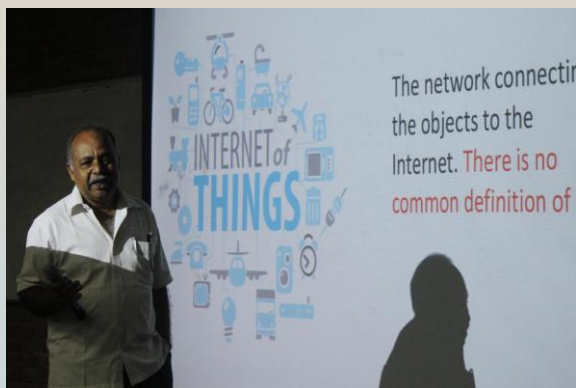


# GUEST LECTURE

by Prof. Pramod Kumar Meher, former Senior Scientist,  
Nanyang Technological University (NTU), Singapore  
on  
March 30, 2018

Department of ECE organized an Expert Lecture on “Internet of Things” by Prof. Pramod Kumar Meher, former Senior Scientist, Nanyang Technological University (NTU), Singapore, at JUIT Waknaghat, Solan, H.P. on 30th March, 2018. The lecture was attended by the students of 1st, II<sup>nd</sup>, III<sup>rd</sup> year of B.Tech, M.Tech students and many Research scholars of ECE and CSE/IT branches. The faculty of ECE and CSE/IT departments also attended the lecture.

The lecture contents were started from the very basic fundamental concepts of “Internet of Things” by Prof. Pramod Kumar Meher. Then he discussed many application areas of “Internet of Things”. He also suggested many open research ideas for everyone in the field of “Internet of Things”. This expert lecture was coordinated by Mr. Pardeep Garg, Dr. Sunil Datt Sharma, and Dr. Meenakshi Sood.





# ALUMNI MEET

(March 16<sup>th</sup> - 17<sup>th</sup>, 2018)

Adding another chapter to Jaypee University of Information Technology “Alumni Meet 2018” organized by Alumni Affairs Committee revived the bonanza of memories. All the alumni were invited to revisit the reminiscence of those memories which were perched in the place they left them. It was an event conducted from 16th-17th March 2018.

## Cultural Night (16<sup>th</sup> March 2018)

The festivity of event began with the pomp and show of Cultural Evening being organized on 16th March, 2018. The cultural night began with the ethical mark of “Lamp Lighting” ceremony in the presence of chief dignitaries Mrs. Bassi,



Dr. Ruchi Verma, Dr. Vivek Sehgal and Dr. Saurabh Bansal. It was a combination of various singing and dance performances conducted to retrace the college memories of alumni.

## Welcome and Interactive Session (17<sup>th</sup> March 2018)

On the Alumni Meet celebrations, Day 2 began



with formal welcoming of all the Alumni by the Registrar and Dean of Students Maj Gen Rakesh Bassi (Retd).

Dr. Saurabh Bansal (Alumni Head) addressed



the alumni and welcomed them to their alma mater. The motivating lecture and presentation of Dr. Ashish Kumar towards the new initiatives taken by TIED Cell of JUIT added a spark. The event was marked by vote of thanks by student coordinators of Alumni Affairs Committee: Parushi Sharma and Nikesh Chauhan.





From 12 noon onwards, session of interaction began and the students asked several queries regarding placements, internships and career fields. It was an informal interaction and added various fun elements.

A high tea was planned as refreshment to all



the alumni, dignitaries and students which lead to discussions on various issues amongst students and interaction among the Vice chancellor, Director and alumni.

### Fun Games

For the entertainment of all the alumni, various games were organized and several game stalls were put in Open Café.

### Dhun (Musical Evening)

Adding glamour to the extravaganza of celebrations of Alumni Meet, a snapshot of musical beats were portrayed. Dhun, a Musical Evening was organized at Dhyan Kaksh to rejuvenate the unplugged night sessions of our alumni.

### Gala Dinner

"Fondest memories are made when gathered around table". After the musical evening, all the



alumni were invited to have dinner with dignitaries of university at Eutopia on 17th March 2018. A formal welcome, interactions, various fun games and memento distribution marked the evening at its best. The splendid food and drinks along with heating the dance



floor with the beats will be memorable. The Alumni Affairs Committee took this initiative of celebrating the bonanza of memories marked a success and added another page to the JUIT celebrations calendar. Hope it remains imprinted in every heart of JUIT.





# VISIT OF SAMBALPUR UNIVERSITY, ODISHA TO JUIT

(February 27<sup>th</sup> - March 2<sup>nd</sup>, 2018)

The fourteen M.Sc. students from Department of Biotechnology, Sambalpur University Odisha with two faculty and one staff members visited the JUIT campus as a part of their Institute Visit Program. Dr Anil Kant, Dr. Chittranjan Rout and Prof Sudhir Kumar coordinated the visit. The visitors stayed in the university campus from 27 Feb. to 02 March, 2018. On 28 Feb. 2018 local visit to Shimla was arranged for the visitors. The university provided a bus and two of our BT/BI students (Atul and Sakshi) accompanied the

guests to Shimla. The students were taken to various Labs. Of Biotechnology and Bioinformatics Dept., Computer, and Electronics and Communication Dept. and they also visited Biogas and sewage treatment plant of the University on 1<sup>st</sup> March 2018. Various research activities, experiments, and working procedures of the facilities were demonstrated. On 2<sup>nd</sup> March Dr Chittranjan Rout accompanied the visitors to Kandaghat Railway Station to see off for their back journey.

Group photograph of JUIT faculty members with visiting students & faculties of Sambalpur University



# VISIT OF GOVT. COLLEGE SANJAULI, SHIMLA TO JUIT

(April 28<sup>th</sup>, 2018)

On 28<sup>th</sup> April 2018, Dr Rahul Shrivastva, Dr Anil Kant and Dr Hemant Sood Associate Professors from the Department of BT& BI (JUIT) along with other faculties, research scholars and non-teaching staff has coordinated the visit of BSc. final year students (23 in numbers) of the Govt. College Sanjauli, Centre of Excellence, Shimla. The students were accompanied by 4 faculty members. They were taken to the Departmental labs of Biotechnology and



Bioinformatics, where interaction with scholars and faculty coordinator were carried out. They were informed about different research projects of the Department. They visited Biogas Plant and HOD, Dr Sudhir Syal has provided all detailed information about the latest interventions carried out for the same. They

were informed about different academic and research programmes of the University like B.Tech Biotechnology and Bioinformatics, M.Tech and MSc. in Biotechnology and Bioinformatics. The students took complete JUIT, campus visit and enjoyed the Le Fiestus, 2018 celebrations. The informal feedback collected after the interactions with faculty, staff and students, which were quite positive and enthusiastic. The JUIT authority extend



their thanks to the Principal Mrs. Diksha Malhotra, Mrs Manisha Kohli (Associate Professor Botany), Mrs Shivani Kapret (Assistant Professor Zoology) and Dr Anil Thakur (Associate Professor Zoology) for their visit to JUIT campus.





# SPORTS

JUIT participated in  
Aarohan-2018 at IIT Ropar

A team of 81 students participated in different sports event in Aarohan -2018 held at IIT Ropar during 16-18 March 2018. The performance of JUIT students in this event as follows:

Event	Medal
<b>Badminton (Boys)</b>	Silver Medal
<b>Basketball (Girls)</b>	Silver Medal
<b>Volleyball (Girls)</b>	Bronze Medal



# DOCTOR FAUSTUS

(An English Play)  
(April 28<sup>th</sup>, 2018)

**Directed by :**  
Dr. Papiya Lahiri

**Music:**  
Raunak

**Lights and backstage:**  
Sahil Ratra

**Club Coordinators:**  
Mayank Sharma  
Saesha Verma  
(Sahil Sharma & Udit Pilania))

**Narrators:**  
Nitin Arora, Prachi Wadhwa

**Cast:**  
Pradyumn Agarwal, Falak Shehraj  
Khan, Vineet Aggarwal,  
Nayana Sharma, Bhavna Verma,  
Prashasy Ashok, Sivam Sinha, Aditya  
Nath, Vishal Srivastava, Soham Ahuja,  
Vaishnavi Singh, Sushant Singh,  
Vasundhara Tripathi, Ankita Chauhan,  
Ujwal Gupta, Sonali Gupta,

The Literary Club at Jaypee University of Information Technology, Waknaghat, Solan, organized and presented an English Play Doctor Faustus by Christopher Marlowe on 28 April 2018 as part of the Annual Day celebrations. The play was directed by Dr. Papiya Lahiri (Literary Club Faculty Head), and performed by 25 B.Tech students (All branches) in the cast, including back stage team. The Literary Club student coordinators, Mayank Sharma and Saesha Verma coordinated the event.

Despite being written in the late fifteenth century, the play retains its relevance and

stands for the eternal conflict between the right and the wrong that reverberates across time and generations. Marlowe's (Shakespeare's predecessor) Doctor Faustus is a Morality play which echoes the Renaissance spirit of "knowing the unknown, hearing the unheard and seeing the unseen." The students performed the play with a lot of enthusiasm and zeal, which was apparent in their flawless pronunciation and delivery of Old English. Their performance was applauded by the audience. The performance was graced by the presence of Hon'ble Vice Chancellor, Prof. Vinod Kumar and Registrar Major Gen. Rakesh Bassi.



*Literary club of JUIT staged an English play*



# INTERNATIONAL YOGA DAY

(June 21<sup>st</sup>, 2018)

The University has celebrated 'the International Yoga Day' on June 21, 2018 in the main auditorium at the campus. Mr. Girish Kumar, Sports Coordinator at JUIT, led the session sharing insights into various yogic 'asanas'. There was an active participation by faculty and staff members along with their family members. Hon'ble Vice Chancellor, Prof. Vinod Kumar and Registrar, Major General (Retd.) Rakesh Bassi were also participated by performing various Yogasnas.





(April 27<sup>th</sup> – 29<sup>th</sup>, 2018)

# Le Fiestus 2018

**Le Fiestus**, the annual social and cultural festival of JUIT, Wagnaghat presented its 2018 edition from 27th to 29th April 2018. The three day panorama which is the largest University fest in the state, has established a name for itself, as the place to be in, just by the virtue of the quality of events organized by various clubs of the JUIT Youth Club (JYC) and the poise with which they are held. Cultural Night is a unique extravagant night in the Le Fiestus calendar with students exploring and showcasing their various talents of dance, singing and ramp enriched with the myriad of cultural flavors. The members of the club

also performed on medley music. The 'War of Bands', a musical event had created a reverberating environment in the serene hills of JUIT. The famous Nikhil D'Souza (pop based music), Akhil Pasarla (Singer) and Julia Bliss (DJ) were performed as star night attraction. Other events, such as ramp walk, Rock band competition, solo dance (Mono Danza) competition, Mr. (Soham Ahuja) and Miss (Adhisree Bansal) Le Fiestus 2018. English play, Tambola, JUIT Idol were some of the other events to name a few





# INDUSTRIAL VISIT

Visit of CSE/IT Department to  
CDAC & Adonis Medical System Pvt Ltd (Mohali)  
March 27<sup>th</sup>, 2018



Industrial Visits

A Group of 25 students (girls) from the Department of CSE/IT of JUIT visited CDAC, Mohali and Adonis Medical System Pvt Ltd, Mohali on a one day industrial tour on March 27, 2018. At Adonis Medical System Private Ltd students were appraised about use of various medical X-ray devices. At CDAC, students were informed about various advanced courses, and

research projects of CDAC. Dr. Sanjay Sood, Joint Director, CDAC Mohali encouraged all the students to choose Advanced Course. Dr. Pradip Singh and Dr. Yugal Kumar directed the industry tour from JP University School. Industry excursion was organized by the JUIT ACM Student Union.





# INDUSTRIAL VISIT

Visit of ECE Department to

CDAC

April 13<sup>th</sup>, 2018

An Industrial visit to C-DAC Mohali was organized by Dr. Shruti Jain, Electronics & Communication department of JUIT, Waknaght on 13th April 2018 for B.Tech 3rd year students to familiarize them with various aspects of applied electronics, technology and applications. Dr. Vikas Baghel and Dr. Harsh Sohail accompanied them.

The Centre for Development of Advanced Computing (C-DAC) is the premier R&D organization of the Ministry of Electronics and Information Technology (MeitY) for carrying out R&D in IT, Electronics and associated areas. CDAC also prides itself for

being the first to build India's first super computer named "PARAM".



In the introductory session, students were introduced to the history of C-DAC, research and development at C-DAC, and different courses provided by CDAC. This session concluded with a very enlightening presentation which threw light on an organization where researchers develop and implement various world class products like High Performance, Grid and Cloud Computing (HGCC) systems, Professional Electronics, VLSI & Embedded Systems, Health Informatics systems etc. In the second session, a presentation on the IoT was given by Ms. Preeti Abrol (Principal Engineer). After the session the students were taken to different labs and briefed about the processes and operations undertaken in labs. During the lab tour, students were given a brief idea on the technical aspects and uses of different equipment. The curiosity of the students was finally satisfied when a question answer session was conducted by Mr. Harpreet Singh (Project Associate). The students were provided with deep insights about the C-DAC, Mohali and each and every question was patiently answered by him.





## EDUCATIONAL TOUR TO YSPUHF, NAUNI



On 20 April 2018, a group of 38 students (4th Year) of Biotechnology and Bioinformatics

department visited the Dr. Yashwant Singh Parmar University of Horticulture and Forestry, Nauni, Himachal Pradesh. This academic visit was coordinated by Dr. Anil Kant Thakur, Associate Professor along with Dr. Ashok Kumar, Assistant Professor of the department. The purpose of visit was to educate the students towards various current research activities which have been practicing in the premier research labs of the University. Major visit of labs was done in Toxicology laboratory [lab Head: Dr. S.K. Patyal]

Plant Virology lab [lab Head: Dr. Anil Handa]; and plant biotechnology labs in the department of forestry. Students have also visited Rose garden, medicinal plant garden, and Hitech glasshouse.



Dr. Meenu Sood has given valuable dialogue on medicinal plants and a tour of medicinal plant garden. Dr. Pooja Garla has given lecture on floriculture and development of different varieties of roses and other flowers at UHF Nauni. It was a memorable experience of learning for the students.





## EDUCATIONAL TOUR TO IHBT, PALAMPUR & CSK- AGRICULTURE UNIVERSITY, PALAMPUR

An educational /research excursion was organised for the IIIrd year Biotechnology students from **16th April, 2018 to 19th April 2018**. Dr Abhishek and Dr. Jitendraa along with IIIrd year students visited different labs of to Institute of Himalayan Bioresource Technology (IHBT) and CSK-Himachal Pradesh Agriculture University Palampur of Himachal Pradesh which are known for their reputed national level in the area of Himalayan biotechnology research. The purpose of visit was to educate the students towards various current research activities

which have been practised in the premier research labs in government sector. Major visit of labs was done in 'natural product chemistry and process development'; advance molecular biology lab; plant biotechnology labs and 'aeroponics & hydroponics labs'. Students were also visited central instrument facility of IHBT where students got a chance of demonstration of state of art biotechnology instruments. During the visit, students interacted with various scientists and discussed the basics of various research programmes in IHBT.





# OUTREACH ACTIVITIES AT

**Swami Vivekananda Govt. Degree College Ghumarwin, Bilaspur (HP) and Govt. Post Graduate College Bilaspur, HP**

On **20 March 2018**, the JUIT outreach activities' team conducted workshops at Swami Vivekananda Govt. Degree College Ghumarwin and Govt. Post Graduate College Bilaspur of Bilaspur District in Himachal Pradesh. The target audience was students of 6th semesters of B.Sc. (Chemistry, Physics and Biotechnology) at both the colleges.

Dr. Tiratha Raj Singh and Dr. Ashok Kumar interacted with students about Bioinformatics, Biotechnology and Dr. Ragini Raj Singh about Physics, and Statistics, Electronics and Communication and Career Opportunities in these areas. The team members were also interacted with all faculty, lab staff and students. Informal feedback from participants in this activity has been very positive. For the activity; the responding students indicated that they had a better understanding of science, had an increased interest in looking up more information on their own.

Dr. Tirath Raj Singh, Associate Professor, Department of Biotechnology and Bioinformatics, Dr. Ragini Raj Singh, Assistant Professor, Department of Physics and Material Science and Dr. Ashok Kumar, Assistant Professor, Department of Biotechnology and Bioinformatics coordinated the event.



# OUTREACH ACTIVITIES AT

## Govt. PG College Solan, HP

On 4th April 2018, Dr Hemant Sood, Associate Professor from the Department of BT/Bi and Dr. Dheeraj Kumar, Assistant Professor from the Department of Physics, Jaypee University of Information Technology visited the Govt PG College, Solan. They had interactions with final year students of BSc medical and non- medical which were about 45 in number. The students were informed about different academic and research programmes of the University and provide them insight about different research

facilities available at JUIT. The students are provided with brochures and all the details for the forthcoming admissions. The informal feedback collected after the interactions with faculty, staff and students, which were quite positive and enthusiastic. The outreach team members thanked the Principle Professor Sheela Kapoor of the college and Dr Deepak Gupta for facilitating the event.





# OUTREACH ACTIVITIES AT

Govt. Vallabh Degree College, Mandi, HP



Dr. Ashok Kumar, Assistant Professor, Department of Biotechnology and Bioinformatics conducted an awareness workshop at Govt. Vallabh Degree College, Mandi. The workshop was conducted for the 6th semester B.Sc students of the college.

The students were informed about the new and exciting career opportunities in the areas of Biotechnology, Bioinformatics and Electronics and other areas. Informal feedback from participants in this activity has been very positive. For the activity; the responding students indicated that they had a better understanding of science, had an increased interest in looking up more information on their own. The results from activity show they seem to have a positive effect on students' interest in science. Overall, the student responses were very positive for the activity, and this may be due to the longer, more personal interaction with a scientist that students receive in this program.



# FACULTY SPOTLIGHT

## NEW JOINEE



**Prof. (Dr.) M J Nigam**  
Professor & Head  
ECE Department

**Prof. (Dr.) M J Nigam** has joined the JUIT on July 2018 as Professor and Head in the Department of Electronics and Communication Engineering. He received B.Tech degree from Regional Engineering College (Now NIT Warangal) and M.E degree and Ph.D degree from University of Roorkee (Now, IIT Roorkee). He was faculty member in MMM Engineering College, Gorakhpur (1979-80) and institute of Technology, Banaras Hindu University during 1980-82. In 1982, he joined the faculty of University of Roorkee (IIT Roorkee) in the department of ECE. He was selected Reader in 1989 and become Professor in 2009. His areas of research are Communication Engineering, Guidance & Controls in Navigational Systems including high resolution real time intelligent Kalman State Estimator as well as Regulation, Tracking and Guidance for peace time work and industry also.

## PROMOTION



**Prof. Sudhir Syal**  
Professor & Head  
Dept. of BT/BI

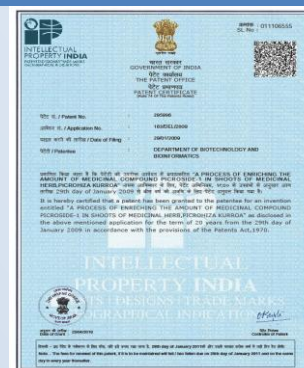
**Dr. Sudhir Syal** Promoted to Professor and Head, Department of Biotechnology and Bioinformatics with effect from 01 April, 2018.

## PATENT GRANTED



**Dr. Hemant Sood**  
Associate Professor  
Dept. of BT/BI

**Dr. Hemant Sood** (Associate Professor, Department of Biotechnology and Bioinformatics) and Prof. RS Chauhan were granted a Patent for “A process of enriching the amount of medicinal compound, Picoside-1 in shoots of medicinal herb, *Picrorhiza kurroa*”. Patent Application No. 163/DEL/2009 filed in India. Publication Date: (06/08/2010). Journal No.-32/2010 granted by Govt. of India with Patent No. 295996 on 23<sup>rd</sup> April, 2018.





## PATENT FILED



**Dr. Shruti Jain**  
Dept. of ECE

**Dr. Shruti Jain**, Associate Professor, ECE department, as co-author with Raj Kumar Sharma has filed a patent on 'A novel N-Bit Compressor based High-speed multiplier algorithm for low power arithmetic circuits'. The patent application no. is TEMP/E-1/23170/2018-DEL.

## RESEARCH PROJECT GRANTED



**Dr. Udayabanu, M**  
Dept. of BT/BI

**Dr. Udayabanu, M**, Assistant Professor, Department of BT/BI along with Dr. Inderjeet Kaur, Scientist, International Centre for Genetic Engineering and Biotechnology (ICGEB), New Delhi are awarded with a research project 'to investigate the effect of Urtica Dioica on Maternal Diabetes induced neuronal dysfunction in the offspring' by ICMR. The sanctioned amount of the project is about Rs.5 lakh and duration would be 2018-20.

## CONSULTANT FOR GOBAR-DHAN SCHEME OF HP GOVT.



**Prof. Sudhir Syal** (HoD, Department of Biotechnology and Bioinformatics) is selected as consultant for GOBAR-DHAN scheme of Government of Himachal Pradesh, Rural Development Department.

## INVITED LECTURES DELIVERED



**Dr. Meenakshi Sood**, Assistant Professor, Dept of ECE, delivered expert lecture on 'Latest techniques and trends for Engineering students' on 28th May 2018 at UIIT, Himachal Pradesh University, Shimla.

**Dr. Meenakshi Sood**, Assistant Professor, Dept of ECE, participated in 12th INDIACom, the 5th International conference on Computing for Sustainable Global Development – 2018, BVICAM, New Delhi, India held on 14 -16 March 2018.



**Dr. Neel Kanth** chair the session and presented the research paper in International conference on Frontiers in Industrial and Applied Mathematics (April 26-27, 2018) organized by Department of Mathematics, NIT Hamirpur (H.P)



**Dr. R.S Raja Durai**, Associate Professor, Department of Mathematics, delivered an invited talk on 'Statistical data analysis using SPSS' in the workshop of the Statistical Techniques in Biological and Medical Sciences (STBMS) held at Jaypee University of Information Technology, Solan - 173234, Himachal Pradesh during 4-9 June, 2018.



**Dr. Shruti Jain**, Associate Professor, Dept of ECE, participated in 12th INDIACom, the 5th International conference on Computing for Sustainable Global Development – 2018, BVICAM, New Delhi, India held on 14 -16 March 2018.



**Prof. Sudhir Syal**, Head, Dept. of Biotechnology and Bioinformatics, delivered an invited lecture on 'Biogas Production for Sustainable Energy Generation in Rural Himachal Pradesh using one-stage digester' during launch of GOBAR-DHAN scheme by Ministry of Sanitation and Drinking Water at NDRI, Karnal on 30 April, 2018.

## WORKSHOP ATTENDED



**Prof. Sudhir Syal**, Head, Dept. of Biotechnology and Bioinformatics, participated in a workshop of DST on "Studies on Improving Livelihood Generation through Scientific Interventions in Pinus gerardiana and important wild mushrooms in Himachal Pradesh. 23 June, 2018. Shimla.



## *In Memoriam*

**DR. CHITTARANJAN ROUT**  
**1972 – 2018**



# UNIVERSITY MOURNS DEATH OF DR. CHITTARANJAN ROUT

**Dr. Chittaranjan Rout** (10.06.1972 - 07.03.2018), a beloved faculty member of Jaypee University of Information Technology, who was known for his exceptional contribution in the Biotechnology and Bioinformatics department of the University died on 7<sup>th</sup> March 2018 due to heavy brain hemorrhage. He was 45. His sudden and unfortunate demise shocked the whole JUIT fraternity.

Dr. Rout held a Ph.D from University of Delhi in Computation Chemistry (2000) and during 2002-2004 he was a Post-Doctoral Fellow of Centre for Computational Biology and Bioinformatics (CCBB), Jawaharlal Nehru University, New Delhi. He joined JUIT as

Lecturer in December 2004. His research centered on Computational tools development in drug target and vaccine candidate discovery, Computer aided diagnosis (CAD) & Molecular modeling. In his teaching career he has been a prolific researcher and published many research articles and reports in various journals. Besides his scholarly work, Dr. Rout was a kind and noble man and was very popular among his colleagues and students. His smile is still refreshing in our mind.

The JUIT family extended its deepest condolences and sympathies to his family. May God rest his soul in peace!

# student SPOTLIGHT

## NATIONAL POST DOC FELLOW



Dr Rishi Mahajan has joined as National Post Doc Fellow under Dr. Gunjan Goel. He is the first candidate to join JUIT as postdoctoral fellow under SERB Scheme.

## Ph.D SNAPSHOT

	<b>Oshin Sharma (146202)</b> of Department of Computer Science and Engineering has completed her Ph.D on “ENERGY EFFICIENT VIRTUAL MACHINE CONSOLIDATION FOR CLOUD ENVIRONMENT” under the supervision of Dr. Hemraj Saini.
	<b>Jibesh Kumar Padhan (116559)</b> of Department of BT/Bt has completed his Ph.D on “UNDERSTANDING BIOSYNTHESIS OF MAJOR CHEMICAL CONSTITUENTS IN SWERTIA CHIRAYITA” under the supervision of Prof. R S Chauhan and Dr. Hemant Sood (Co-supervisor).
	<b>Ira Vashisht (126551)</b> of Department of BT/BT has completed his Ph.D on “DISCERNING REGULATORY CONTROL OF PICROSIDES BIOSYNTHESIS IN A MEDICINAL HERB, PICRORHIZA KURROA ROYLE EX. BENTH” under the supervision of Prof. R S Chauhan and Dr. Hemant Sood (Co-supervisor).
	<b>Deepak Mishra (136756)</b> of Department of Pharmacy has completed his Ph.D on “SYNTHESIS OF HETEROCYCLIC MOLECULES AS POTENTIAL ANTI-ALZHEIMERIC AGENTS” under the supervision of Dr. C. Rout.
	<b>Priyam Dhani (136803)</b> of Department of Humanities and Social Sciences has completed her Ph.D on “EMOTIONAL INTELLIGENCE, PERSONALITY AND JOB PERFORMANCE: A STUDY OF INDIAN SERVICE SECTOR” under the supervision of Dr. Tanu Sharma.
	<b>Phuntsog Dolkar (126560)</b> of Department of BT/BT has completed her Ph.D on “GENDER DIFFERENCES IN ANTIOXIDANT PROPERTIES, PHENOTYPIC PLASTICITY AND FREEZE TOLERANCE IN SEABUCKTHORN (HIPPOPHAE RHAMNOIDES L.) ALONG AN ALTITUDINAL GRADIENT IN TRANS” under the supervision of Dr. Anil Kant.
	<b>Ambika Sharma (136557)</b> of Department of BT/BT has completed her Ph.D on “AUTOPHAGY GENES (ATG16L1 AND IRGM) VARIANTS AND HEPATITIS B VIRUS INFECTION SUSCEPTIBILITY” under the supervision of Dr. Harish Changotra.
	<b>Nagesh Kumar (136214)</b> of Department of Computer Science and Engineering has completed his Ph.D on “SECURITY AND OPPORTUNISTIC ROUTING IN WIRELESS SENSOR NETWORKS” under the supervision of Dr. Pradeep Kumar Singh.
	<b>Tamanna Sharma (126501)</b> of Department of BT/BT has completed her Ph.D on “MOLECULAR DISSECTION OF LIPID BIOSYNTHETIC MACHINERY IN GREEN ALGAE, SCENEDESMUS SPECIES” under the supervision of Dr. Rahul Shrivastava.



# RECOGNITION

*Congratulations*

## MERITORIOUS ACHIEVEMENT



**Katyayani Bhatia**  
**(071224)**  
**Ex JUIT CSE student**

**Katyayani Bhatia**, the ex JUIT CSE Student (071224) obtained **All India Rank 246 in Civil Services Examination 2017**. She completed her B.Tech with 9.5 CGPA and was also the recipient of Vice Chancellor's Gold Medal award at the JUIT.

## AWARDS



**Gorky**  
**(131579)**  
**Dept of BT/BI**

### **1<sup>ST</sup> PRIZE IN POSTER PRESENTATION:**

Gorky, NK. Rathinam, and RK. Sani, poster presentation on 'Genome to Phenome Relationships for Improving the Performance of Bioelectrochemical Systems, 2018 Western South Dakota Hydrology Conference held in USA on 19th April 2018.

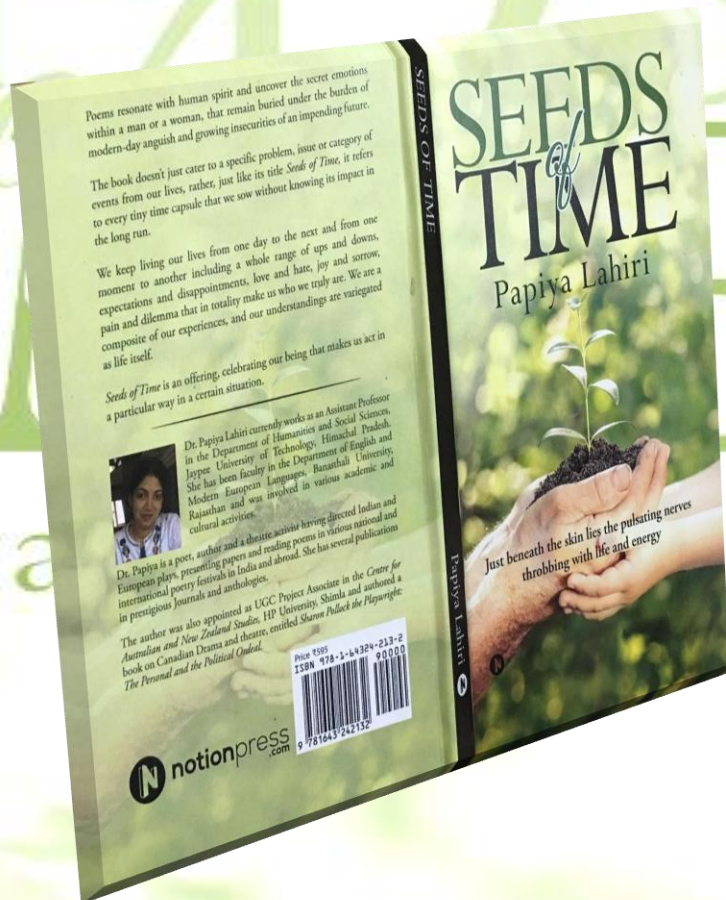
### **3<sup>RD</sup> PRIZE IN POSTER PRESENTATION**

Gorky, NK. Rathinam, and RK. Sani Poster presentation on 'Biosensors for assessing the toxicity of antineoplastic agents' in Western South Dakota Hydrology Conference held in USA on 19th April 2018.

# NEW BOOK PUBLISHED



**Dr. Papiya Lahiri, Assistant Professor, Department of Humanities and Social Sciences, authored a book "Seeds of time". The book is published by Notion Press in 2018.**



## **Description of the book:**

Poems resonate with human spirit and uncover the secret emotions within a man or a woman, that remain buried under the burden of modern-day anguish and growing insecurities of an impending future. The book doesn't just cater to a specific problem, issue or category of events from our lives, rather, just like its title *Seeds of Time*, it refers to every tiny time capsule that we sow without knowing its impact in the long run. We keep living our lives from one day to the next and from one moment to another including a whole range of ups and downs, expectations and disappointments, love and hate, joy and sorrow, pain and dilemma that in totality make us who we truly are. We are a composite of our experiences, and our understandings are variegated as life itself. 'Seeds of Time' is an offering, celebrating our being that makes us act in a particular way in a certain situation.


**Pages – 118 (paperback)**  
**Publisher – Notion Press**  
**Year – 2018**  
**Language – English**  
**ISBN – 978-1643242132**





# INTELLECTUAL CAPITAL

## Research Articles in Journals

- 
- ⊕ Atyia, H. E., Fouad, S. S., Sharma, P., Farid, A. S., & Hegab, N. A. (2018). Optical, dielectric and opto-electrical study of Se-Te-Ge glassy thin films. *Journal of Optoelectronics and Advanced Materials*, 20(5-6), 319-325.
  - ⊕ Bansal, A., Srivastava, P. A., & Singh, T. R. (2018). An integrative approach to develop computational pipeline for drug-target interaction network analysis. *Scientific reports*, 8(1), 10238.
  - ⊕ Devi, M., Durai, R. R., & Xu, H. (2018). Construction of high rate T-Direct codes. *Computational and Applied Mathematics*, 1-13. DOI: 10.1007/s40314-018-0665-8
  - ⊕ Dogra, J., Jain, S., & Sood, M. (2018). Segmentation of MR Images using Hybrid kMean-Graph Cut Technique. *Procedia Computer Science*, 132, 775-784.
  - ⊕ Dogra, J., Prashar, N., Jain, S., & Sood, M. (2018). Improved methods for analyzing MRI brain images. *Network Biology*, 8(1), 1-11.
  - ⊕ 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.
  - ⊕ Jain, S. (2018). System Modeling of AkT using Linear and Robust Regression Analysis, *Current Trends in Biotechnology and Pharmacy*, 12(2), 177-186.
  - ⊕ Jain, S. (2018). Classification of Protein Kinase B using discrete wavelet transform. *International Journal of Information Technology*, 10(2), 211-216.
  - ⊕ Kapoor, S., Raghuvanshi, R., Bhardwaj, P., Sood, H., Saxena, S., & Chaurasia, O. P. (2018). Influence of light quality on growth, secondary metabolites production and antioxidant activity in callus culture of *Rhodiola imbricata* Edgew. *Journal of Photochemistry and Photobiology B: Biology*, 183, 258-265.
  - ⊕ Kumari, A., Sharma, A., Malairaman, U., & Singh, R. R. (2018). Proficient surface modification of CdSe quantum dots for highly luminescent and biocompatible probes for bioimaging: A comparative experimental investigation. *Journal of Luminescence*, 199, 174-182
  - ⊕ Parashar, A., Mehta, V., & Malairaman, U. (2017). Type 2 Diabetes Mellitus Is Associated with Social Recognition Memory Deficit and Altered Dopaminergic Neurotransmission in the Amygdala. *Annals of neurosciences*, 24(4), 212-220.
  - ⊕ Prashar, N., Dogra, J., Sood, M., Jain, S. (2018). Removal of electromyography noise from ECG for high performance biomedical systems. *Network Biology*, 8(1), 12-24.

- ✦ Shankar, J., Tiwari, S., Shishodia, S. K., Gangwar, M., Hoda, S., Thakur, R., & Vijayaraghavan, P. (2018). Molecular insights into development and virulence determinants of *Aspergilli*: A proteomic perspective. *Frontiers in Cellular and Infection Microbiology*, 8. DOI:10.3389/fcimb.2018.00180.
- ✦ Sharma, A., Rajata, A, Udayabanu M. and Sood, H. (2018). Hydroalcoholic extraction of shoot cultures from *Nothapodyte nimmoniana* and its anti-proliferative analysis. *International Journal of Pharmacy and Pharmaceutical Sciences*. 10(6). 32-37.
- ✦ Sharma, D., Sud, A., Bansal, S., Mahajan, R., Sharma, B. M., Chauhan, R. S., & Goel, G. (2018). Endocellulase Production by *Cotylidia pannosa* and its Application in Saccharification of Wheat Bran to Bioethanol. *BioEnergy Research*, 11(1), 219-227.
- ✦ Sharma, R., Thakur, P., Sharma, P., & Sharma, V. (2018). Mn 2+ Doped Mg–Zn Ferrite Nanoparticles for Microwave Device Applications. *IEEE Electron Device Letters*, 39(6), 901-904
- ✦ Singh, A., Sharma, A., Bansal, S., & Sharma, P. (2018). Comparative interaction study of amylase and surfactants for potential detergent formulation. *Journal of Molecular Liquids*, 261, 397-401.
- ✦ Thakur, G., Sohal, H., & Jain, S. (2018). An Efficient Design of 8-bit High Speed Parallel Prefix Adder. *Research Journal of Science and Technology*, 10(2), 105-114.

## Conferences

- ✦ Guleria, S., Kaushal, A., Shahi, R., and Sood, M. (2018). Designing assembled system for plant disease diagnosis using IoT and Android'. In: proceedings of International Conference on Power Energy, Environment and Intelligent Control (PEEIC). Organized at G L Bajaj Institute of Technology and Management, Greater Noida, UP, India (Greater Noida: 13-14 April 2018). pp.34-37.
- ✦ Saini, A., Kumar, N., Raj, A. and Jain, S. (2018). Performance analysis of Casaded Denoising Block for ECG Signal analysis using different filters. In: proceedings of 5<sup>th</sup> International Conference on Computing for Sustainable Global Development, 12<sup>th</sup> INDIACom at Bharati Vidyapeeth Institute of Computer Applications and Management (BVICAM), (New Delhi, 14-16 March 2018), pp. 2251-2256.
- ✦ Sharma, R., Dhariwal, S. and Jain, S. (2018). Design and analysis of a novel 8X8 bit signed/unsigned synchronous MAC architecture using clock gating scheme for fixed-point arithmetic. In: proceedings of International conference on Intelligent Circuits and Systems (ICICS 2018). Lovely Professional University. (Phagwara (Punjab): 20-21 April 2018).
- ✦ Singh, P.K., Tiwari, R., Sharma, A., Kumar, Y. and Sood, M. (2018). A Systematics review of automatic image caption generation using deep learning. In: proceedings of the 5<sup>th</sup> International Conference on Computing for Sustainable Global Development. BVICAM. INDIACom. (New Delhi: 14-16 March 2018). pp. 6294-6297.

## Book Chapters

- ✦ Tiwari, S., & Shankar, J. (2018). Hsp70 in Fungi: Evolution, Function and Vaccine Candidate. In *HSP70 in Human Diseases and Disorders* (pp. 381-400). [https://doi.org/10.1007/978-3-319-89551-2\\_20](https://doi.org/10.1007/978-3-319-89551-2_20) (ISBN: 9783319895505 ) Springer International Publishing AG.







# HILLY RAMBLINGS

## Coordinators:

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

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INDIA

Tel.: +91 - 1792 - 257999; Fax: +91 - 1792 - 245362  
Website: [www.juit.ac.in](http://www.juit.ac.in)