



SPECIAL HIGHLIGHTS:

- JUIT Ranked 37th among Indian Universities
- Conferences/ Seminars/ Workshops/FDPs
- Research Projects
- Research Publications
- Faculty Activities
- Students' Activities

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HILLY RAMBLINGS

A NEWSLETTER OF JUIT

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JUIT ranked 37th among Indian Universities



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 methodology draws from the overall recommendations broad understanding arrived at by a Core Committee set up by MHRD, to identify the broad parameters for ranking various universities and institutions. The parameters broadly cover "Teaching, Learning and Resources," "Research and Professional Practices," "Graduation Outcomes," "Outreach and Inclusivity," and "Perception".


India Rankings – 2016 based on this framework were released on 4th April 2016. In this ranking Jaypee University of Information Technology achieved **37th** position among all Indian Universities and details are shown in the following chart:



National Institutional Ranking Framework

Ministry of Human Resource Development

Government of India



S. No.	Parameter	Marks	Weightage	Points gained
1	Teaching, Learning & Resources (TLR)	100	0.30	69.49
2	Research and Professional Practice (RPC)	100	0.30	73.01
3	Graduation Outcomes (GO)	100	0.20	100.00
4	Outreach and Inclusivity (OI)	100	0.10	61.08
5	Perception	100	0.10	0.00

TLR (100)	RPC (100)	GO (100)	OI (100)	PERCEPTION (100)
69.49	73.01	100.0	61.08	0

Institute ID	Name	City	State	Score	Rank
NIRF-UNIV-324	Jaypee University of Information Technology	Solan	Himachal Pradesh	64.21	37

Some other significant achievements of the University are:

- Ranked 30th 'Best Engineering College in India' by EDU RAND 2015 ranking.
- Accredited by NAAC (2011), and UG Programs of study accredited by NBA (AICTE) twice— 2009 & 2014.
- Biotechnology program consistently ranked '1' by the Biospectrum.
- Faculty with more than 10 years of academic experience.
- Member of IUCEE with International Collaborations with Top ranking US and European Universities.
- Over 65 research grants from various government agencies.
- 14 International Conferences, 175 invited talks, 48 national workshops organized with around 3800 delegates from around the world participating.
- Published more than 2200 research publications, and 27 books over the years.

INTERNATIONAL CONFERENCES



ICIIP-2015 (December 21-24, 2015)

The Third International Conference on Image Information Processing (ICIIP—2015) was organized by Department of CSE during December 21-24, 2015. The ICIIP conference has been a biennial Conference at Jaypee University of Information Technology, Wanknaghat, Solan, H.P., India since 2011 with sponsorship of IEEE. The conference has become a platform for Computer Science researchers from India

and abroad to exchange research results and ideas on the foundations and applications of Image Processing and related areas. All accepted and presented papers were published in and available online at IEEE Xplore.



ISPC-2015 (September 24-26, 2015)

The three day IEEE International Conference on 'Signal Processing and Control (ISPC) was organized by the

Department of ECE, JUIT during September 24-26 September 2015.



ICEM 2016 (May 14, 2016)

Civil Engineering Consortium (CEC) organized International conference on "International Convention of Engineering and Management" (ICEM 2016) on 14th May, 2016 at JUIT Wanknaghat.

SYMPOSIUMS/WORKSHOPS

COMPUTATIONAL SYSTEM BIOLOGY

Department of Biotechnology and Bioinformatics organized a national symposium on Computational System Biology in association with national Network for Mathematical and Computational Biology, Mohali at JUIT Wanknaghat during 18-20 March 2016.



HIGH PERFORMANCE AND HIGH STRENGTH CONCRETE

Department of Civil Engineering organized two-day Symposium on High Performance and High Strength Concrete – Principles, Development and Applications, March 16-17, 2016, JUIT Wanknaghat. Mr. Namit Kumar Assistant Manager (RITES Ltd.) was the key note Speaker.



TECHNICAL MANUSCRIPT PREPARATION WITH LATEX

The Department of Electronics and Communication Engineering of JUIT had organized a



National workshop on 'Technical Manuscript preparation with LaTeX' at its campus on 29th November 2015.

STBMS—2016

Department of Bioinformatics and Bioinformatics and Department of Mathematics, jointly organized a national workshop on 'Statistical Techniques in biological and Medical Sciences (STBMS-2016), during 13-18 June 2016.

INTEGRAL EQUATIONS — SOLVABILITY ANALYSIS AND APPLICATIONS

Department of Mathematics Organized One-week Advanced Workshop on "Integral Equations – Solvability Analysis and Applications" under the auspices of National Program on Differential Equations : Theory, Computation and Applications (NPDE-TCA) sponsored by DST, Government of India during the period October, 19th – 25th 2015.

TOOLS AND TECHNIQUES FOR DATA ANALYSIS IN MANAGEMENT RESEARCH

After conducting the four successful Workshops on "Tools and Techniques for Data Analysis in Management Research", the Department of Humanities and Social Sciences has organized the fifth Workshop on the topic "Tools and Techniques for Data Analysis in Management Research" during June 20-25, 2016 at JUIT, Wanknaghat.

FOUNDATION ANALYSIS

A two-day workshop on Foundation analysis was organized by Civil Engineering Consortium (CEC), 13th -14th February, 2016. Expert lecture was given by experts of Civil Simplified, Bangalore. The students of B.Tech third and fourth years, M.Tech. Structural Engineering, Environmental Engineering and Construction Management, and faculty attended the same.

FDPs



FDP ON VIRTUALIZATION AND CLOUD COMPUTING

Department of CSE and IT organized a Faculty Development Program on 'Virtualization and Cloud Computing— Fundamentals & Practical Approach during 24th—30th December 2015. Mr. Puneet Gupta, Assistant Professor of Department of Information Technology was the Resource person.

FDP ON SIGNAL PROCESSING AND ITS APPLICATIONS

The Department of Electronics

and Communication Engineering organized a six day FDP on 'Signal Processing and its Applications' during 13th-18th January 2016. Prof. S D Joshi, Electrical Engineering Department of IIT, Delhi and Prof. Omar Farooq, Electronics Engineering Department of AMU were the External Resource Persons for the Workshop.

FDP ON OUTCOME-BASED EDUCATION IN BIOTECHNOLOGY

Department of Biotechnology and Bioinformatics conducted a Faculty Development Pro-

gramme on 'Outcome-based Education in Biotechnology' at the campus during 24-30 December 2015.

APPLICATION OF COMPUTATIONAL METHODS IN CIVIL ENGINEERING EDUCATION

Department of Civil Engineering organized one-week Faculty Development Program on "Application of Computational Methods in Civil Engineering Education", 18th -23rd January, 2016, JUIT Wagnaghat. Prof. P J Philip, NIT Kurukshetra was the key note Speaker.



**The JUIT ranked
37th among Indian
Universities under
National
Institutional
Ranking
Framework (NIRF)
by MHRD in 2016.**



FACULTY IN SPOTLIGHT

Prof. (Dr.)

Karanjeet Singh

has taken over as Head of Mathematics department from June 2016. He obtained his PhD from IIT Delhi. He joined JIIT Noida in 2002 as Assistant Professor and later on, in 2004, moved to JUIT, Wagnaghat. Prior to joining JIIT Noida he was with Guru Jambheshwar University of Science and Technology, Hisar (Haryana).



Prof. Dr. Sunil Kumar Khah,

Department of Physics and Material Science, filed a Patent, entitled, "Microstrip antenna's planar array for ultralow side lobe level for X-band" and it was published in 2015 (file no 2867/DEL/2013).



Dr. Amit Kumar Singh,

Assistant Professor, Department of Computer Science and Engineering is appointed as member of editorial board of 'Multimedia Tools and Applications: an International Journal'. It is one of the prestigious journals on image processing of Springer.



Anil Kumar Dhiman, Poonam Dhiman and Durgesh Kulshreshtha authored a book published by TMH.

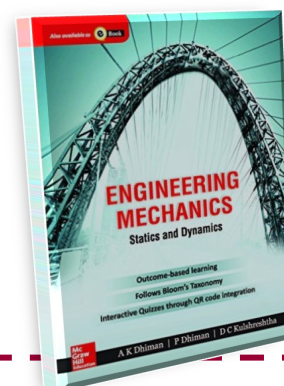
The title of the book is, 'Engineering Mechanics: statics and dynamics'

Pages : 816
Publisher: McGraw Hill Education
Edition: 1st Edition (August 1, 2015).
Language: English
ISBN (10 digit): 9339219171
ISBN (13 digit): 978-93-39219-17-8,



eBook ISBN: 978-93-39219-29-1.

This textbook deals with the basics of statics, dynamics, and introductory aspects of solid mechanics, meeting the requirements of an undergraduate course in engineering mechanics. the concepts are well-explained using diagrams drawn with engineering accuracy. illustrative examples and problems for practice provided in the book will enhance the learning process of the students.



FACULTY OUTREACH



Dr. Sudhir Kumar, Associate Professor of Department of Biotechnology and Bioinformatics was spoken as Resource Person on 'Biogas for Community Service', in National Biogas Convention 2015 organized by Centre of Rural Development and Technology, IIT Delhi during September 15-16, 2015.

Dr. Hemant Sood, Assistant Professor of Department of Biotechnology and Bioinformatics presented her work on production of hypericin rich shoots of *Hypericum perforatum* in 6th World Congress of Biotechnology, organized by OMICS International at New Delhi during October 5-7, 2015.

Dr. Shruti Jain, Assistant Professor of ECE delivered an invited lecture on 'Bio Medical Signal Processing and Bio Electronic Sensor' in Maharaja Agrasen University, Baddi, Himachal Pradesh on December 3, 2015.

Dr. Meenakshi Sood, Assistant Professor, Department of ECE had delivered expert lecture on 'Biomedical Signal Analysis for Diagnosis Decision Support System' at National Institute of Technology, Hamirpur, Himachal Pradesh on February 25, 2016.

Dr. Sudhir Kumar, Associate Professor of Department of Biotechnology and Bioinformatics given an invited lecture on Extremophilic xylanases for efficient conversion of lignocellulosic biomass, in the 2nd international conference on "Recent advances in Bio-energy research" held at S S S National Institute of Renewable Energy, Kapurthala during February 25-27, 2016.

Dr. Meenakshi Sood, Chaired a technical session in International Conference on Industrial Informatics and Computer Systems (CIICS) - 2016, Organized by American University of Sharjah during March 13-15, 2016.

Dr. Meenakshi Sood, Chaired a session in 10th INDIACom: 3rd 2016 International Conference on Computing for sustainable Global Development at BVICAM, New Delhi, India held on March 16-18, 2016.

Mr. Anil Kumar, Assistant Professor of Department of Civil Engineering, delivered two guest lectures on 'Analysis and Design of Structures using SAP and ETABS' and "Finite Element and Modal Analyses of Structures using ANSYS" at University of Petroleum & Energy Studies, Dehradun, during March 12-13, 2016.

Dr. Veeresh Gali, **Dr. Ashish Kumar**, **Mr. Anil Kumar** and **Mr. Abhilash Shulka** of Department of Civil Engineering, attended "First International conference on Recent Advances in Civil Engineering, (RACE-2016) March 19-20, 2016, Jaypee University Anoopshahr, U.P., India. Dr. Veeresh Gali presented the expert key note lecture and Dr. Ashish Kumar, Mr. Anil Kumar & Mr. Abhilash Shulka presented their research paper.

Dr. Ashish Kumar of Department of Civil Engineering attended National Conference on Water Resources & Hydropower (WRHP-2016), June 17-18, 2016, University of Petroleum & Energy Studies, Dehradun and presented the research paper.

Dr. Tiratha Raj Singh, Assistant Professor of Biotechnology and Bioinformatics delivered an invited talk on "Computational predictions and evaluations for biological parameters and regulatory patterns for Alzheimer's diseases", in the XXXIII Annual Conference of Indian Academy of Neurosciences held at Panjab University, Chandigarh during October 31—November 2, 2015.

PROMOTIONS



• **Dr. Sharma** has been promoted to Associate Professor on July 1, 2015

Dr. Vineet Sharma,
Department of PMS



• **Dr. Shukla** has been promoted to Assistant Professor (Senior Grade) on November 1, 2015.

Dr. Shailendra
Shukla, Department
of CSE



• **Dr. Bhatt** has been promoted to Assistant Professor (Senior Grade) on November 1, 2015.

Dr. Ravindar Bhatt,
Department of CSE



• **Mr. Parihar** has been promoted to Assistant Professor (Grade II) on January 1, 2016.

Mr. Niraj Singh
Parihar,
Department of CE



• **Dr. Vashisth** has been promoted to Assistant Professor (Senior Grade) on January 1, 2016.

Dr. Jitendraa
Vashisth,
Department of BI/BI



Congratulations!

• **Dr. Singh** has been promoted to Associate Professor on January 1, 2016.

Dr. Yashwant Singh,
Department of CSE



• **Dr. Singh** has been promoted to Assistant Professor (Grade-II) on January 1, 2016.

Dr. Amit Kumar
Singh,
Department of CSE



• **Mr. Gupta** has been promoted to Assistant Professor (Grade-II) on January 1, 2016.

Mr. Punit Gupta,
Department of IT



• **Mr. Singh** has been promoted to Assistant Professor (Grade II) on January 1, 2016.

Mr. Lov Singh,
Department of CE



• **Dr. Bansal** has been promoted to Assistant Professor (Grade II) on January 1, 2016.

Dr. Saurabh Bansal,
Department of
BT/BI



NEW APPOINTMENTS



Dr. Pradeep Kumar Singh joined as an Assistant Professor in the Department of CSE on 5th January 2016. Dr Singh has completed his Ph.D. in Computer Science & Engineering from Gautam Buddha University (State Government University), Greater Noida, UP, India.



Ms. Ruhi Mahajan joined as an Assistant Professor in the Department of CSE on 11th January 2016. Ms. Mahajan has completed her M.Tech- Computer Science from Banasthali University in 2013.



Dr. Shweta Pandit has joined the institute as Assistant Professor on 10th August 2015. She has completed here Ph.D in Electronics & Communication Engineering from JUIT, Waknaghat.



Mr. Sunil Datt Sharma has joined JUIT as Assistant Professor on 17th August 2015. He has done his M.Tech in Embedded System and VLSI from Rajiv Gandhi Technical University (MP) and pursuing his Ph.D from JUET, Guna.



Dr. Raghu, M Yennamalli has joined as Assistant Professor in the Department of Biotechnology and Bioinformatics on 16th September 2015. He completed his Ph.D in Computational Biology and Bioinformatics from Jawaharlal Nehru University, New Delhi in 2008.



Mr. Bibhas Paul has joined as Assistant Professor in the Department of Civil Engineering on 28th September 2015. He possessed M.Tech in Civil Engineering from IIT, Kanpur.



DOCTORATE CONFERRED



"Over 67% of JUIT faculty have Ph.D Degrees"

Dr. Amit Kumar Singh, Assistant Professor, Department of Computer Science and Engineering, completed his Ph.D on 'Some New Techniques of Improved Wavelet Domain Watermarking for Medical Images', from Department of Computer Engineering, National Institute of Technology, Kurukshetra, Haryana, in November 2015.



Dr. Ravindra Bhatt, Assistant Professor, Department of CEC has



completed his Ph.D on 'Development Issues of Wireless multimedia Sensor networks for Surveillance Applications', from the Department of Electronics & Electrical Communication Engineering from Indian institute of Technology, Kharagpur, India in October 2015.

Dr. Meenakshi Sood, Assistant Professor, Department of Electronics and Communication Engineering has been awarded PH.D in ECE for research topic "Analysis and Classification of Eeg Signals for



Detection of Epileptic Seizures" from Jaypee University of Information Technology in 2015.

Dr. Shweta Pandit, Assistant Professor, Department of Electronics and Communication Engineering has accorded with Ph.D on her research entitled, "Medium Access Control Protocol for Spectrum Sharing in Cognitive Radio Communication System" from the JUIT in the year 2015.





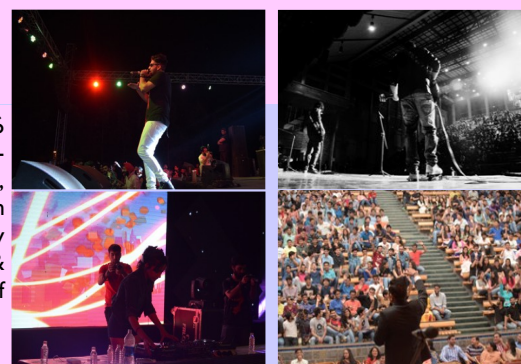
EXPERT VISITS AT THE JUIT

Following eminent personalities were visited the JUIT campus during July 2015—June 2016..

S. No.	Name of the Visitor	Affiliation	Date
1.	Mr. Faiz Abuzer	Account Manager, Academics & Government IP & Science, Thomson Reuters	29 July 2015
2.	Mr. G S Krishnan	Regional President, Novozymes South Asia Pvt. Ltd. Bangalore	24-25 September 2015
3.	Dr. Mads Bjornvad	Director, Head of R & D, Novozymes South Asia Pvt. Ltd. Bangalore	24-25 September 2015
4.	Mr. Narayan Suresh	COO, ABLE India	24-25 September 2015
5.	Mr. Divakar Rao	Advisor to Life Sciences Sector, member-Vision Group of Biotech & Member, Governing Council KSBDB, Government of Karnataka, Bangalore	24-25 September 2015
6.	Mr. Girish Minocha	CEO of Minchy's Industries, Shimla	15 October 2015
7.	Dr. M Asiam	Advisor, DBT, New Delhi	15 October 2015
8.	Dr. Sanjay Gulati	Paediatrician, Gulati Pediatric Centre, Shimla	5 December 2015
9.	Dr. GPS Raghava	IMTECH, Chandigarh	18 March 2016
10.	Dr. Debasis Dash	IGIB, New Delhi	18 March 2016
11.	Dr. Vinod Scaria	IGIB, New Delhi	18 March 2016
12.	Dr. Vikaram Singh	CUHP, Dharamshala	18 March 2016
13.	Dr. Vivek Thakur	IRRI, Los Banos, Philippines	18 March 2016
14.	Dr. Somdatta Sinha	IISER, Mohali	19 March 2016
15.	Dr. Debasisa Mohanty	NII, New Delhi	19 March 2016
16.	Dr. Pritish Kumar Varadwas	IIIT, Allahabad	19 March 2016
17.	Dr. Alok Bhattacharya	JNU, New Delhi	20 March 2016
18.	Dr. Suresh Sharma	PU, Chandigarh	20 March 2016
19.	Dr. Shriram	R&D Head, Evolve Biotech, Chennai	13 April 2016
20.	Prof. Ashish Sen Gupta	Indian Statistical Institute, Kolkatta	11 June 2016
21.	Dr. Suresh K Sharma	PU, Chandigarh	13-14 June 2016
22.	Dr. Arun Kumar Aggarwal	PGIMER, Chandigarh	15 June 2016
23.	Dr. Athar Ali Khan	AMU Aligarh	16 June 2016
24.	Dr. Amar Nath Gil	PU, Chandigarh	17-18 June 2016
25.	Dr. Parminder Singh	GNDU, Amritsar	17-18 June 2016

Le-Fiestus 2016

Le-Fiestus, the annual social and cultural festival of JUIT, Wagnaghat presented its 2016 edition during April 29th to May 1st. The three day panorama which is the largest University fest in the state, has already 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. Various events such as Comedy Show, Cultural Night, War of Bands, Punjabi Night (Guru Randhawa live), DJ Ray, Mr. & Miss Le-Fiestus 2016, Star Night (Nakaash Aziz live), and many others won the hearts of audience and enjoyed immensely.



The JUIT has completed following research projects in 2015-16.

Project Title	Year	Funding Agency	Amount (Lakhs)
• Elucidating missing links in the biosynthetic pathways of major medicinal constituents for utilization in the development of gene markers	2010-15	DBT	198.70
• Identification and functional characterization of proteins as key/rate-limiting enzymes in the biosynthesis of desired chemical constituents of target plant species	2010-15	DBT	60.70
• Identification of intermediate metabolites for linking missing links in the biosynthetic pathways of desired chemical constituents in target plant species	2010-15	DBT	68.65
• Identification of elite chemotypes and optimization of differential accumulation conditions for major & desired chemical constituents of three medicinal plants species	2010-15	DBT	70.80
• Polyunsaturated fatty acids and Lantadene A conjugates as selective tumor targeting agents	2012-15	ICMR	22.00
• Characterization of the antilithiatic proteins from Tamarindusindica and Terminaliaarjuna and evaluation of their cytoprotective role on oxalate-induced renal tubular epithelial cell injury	2012-15	DST	50.00
• Genetic analysis to avoid inbreeding of the endangered western tragopan in the aviaries of Himachal Pradesh	2012-15	DST	11.20
• Identification of Macrophage Invasion Protein(s) of Atypical Mycobacteria <i>M. fortuitum</i> as Potential Drug Target and Inhibitors Thereof	2012-15	DST	17.40
• Development of a polyherbal preparation to treat ethanol abstinence syndrome.	2012-15	DST	24.85
• Identification of Single Nucleotide Polymorphisms in the transcriptional regulatory region of autophagy gene, ULK1 and their role in susceptibility to chronic hepatitis B virus infection	2012-15	DBT	18.00
• Probiotics to prevent infection of Cronobacter sakazakii in neonatal mouse model	2012-15	DBT	42.15
• Development of a multicompartiment in vitro model of the human gastrointestinal tract	2012-15	DBT	45.40
• Identification and validation of sex linked markers in seabuckthorn	2013-15	DRDO	10.00
• Establishment of an assay using human embryonic stem cell derived cardiac precursors from KIND2 cells for cytotoxicity testing	2013-15	DBT	45.67
• Design of Shared Aperture Microstrip Antenna Array for L and S Band	2012-15	CSIR	16.40
• Synthesis of Magnetite Nanoparticals on Substrates for Water Purification	2012-15	DST	11.82
• Development of spin-based semiconductor nano-electronic devices using ferromagnetic silicide nanorods	2014-16	DST ISPS	7.20



RESEARCH PROJECTS—ONGOING



The JUIT has various ongoing projects, some of these are listed in the table given below:

Project Title	Year	Funding Agency	Amount (Lakhs)
• Transcriptome analysis of male and female flower buds of seabuckthorn	2015-17	DRDO	10.00
• Molecular Dissection of Biosynthesis of Pharmacologically Important Phenol Glycosides in a High Value Medicinal Plant (<i>Rhodiola imbricata</i>) from Trans- Himalayan Region of Ladakh	2015-17	DRDO	9.50
• Socio Economic upliftment of high altitude farmers of Himachal Pradesh through transfer of micro-propagation technologies for high value medicinal herbs	2015-18	DST	14.50
• Identification of biofilm associated proteins of multidrug resistant Acinetobacter	2015-18	DST	23.30
• Synthesis of Novel Poly-N Substituted Glycines (Peptoids) Based on Cell Selective Antimicrobial Peptides for Gram Negative and Gram Positive Bacterial Infections	2015-18	ICMR	18.76
• Functional analysis and validation of picosides biosynthetic pathway and development of gene markers for elite chemotypes of <i>Picrorhiza kurroa</i>	2015-20	DBT	350.00
• Semiconducting Chalcogenide Quantum Dots for Exploiting the Power of Solar Energy	2015-18	SERB, DST	16.99
• Development, Characterization & Processing of Quantum Dots for Imaging in Near Infrared Range	2014-17	SERB, DST	24.80
• Bioremediation of electronic waste (E-waste) for precious metal recovery and removal of polybrominated diphenyl ethers (PBDE's)	2013-17	DBT	33.20
• A Bioinformatic and experimental approach to investigate the interaction between acetylcholine esterase (AChE) and angiotensin-converting-enzyme (ACE) along with Alzheimer's disease associated proteins	2015-18	ICMR	25.60
• Identification, characterization of diarrhoeagenic pathogens in Himachal Pradesh	2013-16	ICMR	16.09

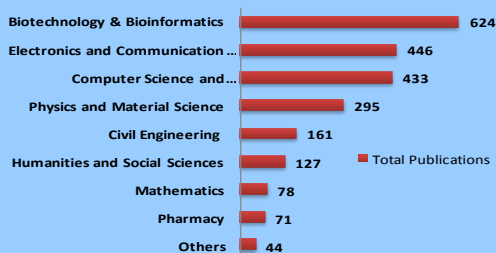
RESEARCH PUBLICATIONS

The JUIT is well known for conducting and publishing active research. Over the years Institute has published over 2200 research articles in quality journals, books and in conference proceedings. The JUIT faculty has also published 27 books. The details of all documents published through the years are listed on the JUIT's website at www.juit.ac.in/JPubDB

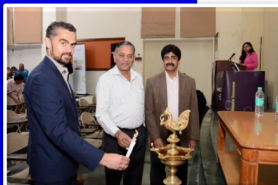
The department-wise statistics of publications are listed in the table shown in the side box. In the year 2016, till the month of June University has published 103 documents.

Department	Books Published	Book Chapters	Papers in Journals	Papers in Conf. Proceeding	Abstracts / Presentations
Biotechnology & Bioinformatics		16	401	134	73
Civil Engineering	3	1	59	98	
Computer Science & Engg.	5	10	157	260	1
Electronics & Comm. Engg.	8	2	203	232	1
Humanities & Social Sciences	5	5	55	60	2
Mathematics	2		59	17	
Pharmacy		1	63	6	1
Physics & Material Science		3	194	94	4
Others	4	3	23	14	
TOTAL	27	41	1214	915	82

Department-wise publications



STUDENTS' DELIGHT



VOICE FOR BT

Department of Biotechnology and Bioinformatics conducted an Intercollegiate Public speaking contest 'Voice for BT' in association with Novozyme, BioSpectrum and Association of Biotechnology Led Enterprises (ABLE) on 25 September 2015. Young and confident final year Biotech students from various colleges of entire North India gathered to articulate on the key role of Biotechnology in solving some of the most challenging problems that the nation and the world is facing in the recent times.

CIDERING 3.0

Department of Biotechnology and Bioinformatics conducted an Intracollegiate wine making contest, 'Cidering 3.0' from 26 September to 16 October 2015. A lecture eliciting the entire process was organized and all the teams were provided with a fruit juice, and all other chemicals and inoculation was performed in the laminar air hood in the biotech lab. Wine making is the production of wine, starting with selection of the fruit and ending with bottling the wine. Girish Minocha, CEO of Minchy's industries shared his experiences in the field of biotechnology and gave his gracious presence by judging the event.

DECLAMATION CONTEST

Department of Biotechnology and Bioinformatics conducted an Intracollegiate competition, 'Declamation Contest' on 2 February 2016.

PARAKRAM 2015

JUIT organised its annual

sports fest, 'Parakram' on 7-8 November 2015. It consisted of 6 events, namely Table Tennis, Badminton, Basketball, Volleyball, Chess and LAN Gaming. This event was a major success as many colleges took part in it. Following were the winners of various games.

Basketball (boys) - Thapar

Basketball (girls) - Thapar

Volleyball (boys) - Chitkara

Badminton (boys) - HPU

Badminton (girls) - JUIT

TT (girls) - Chitkara

Chess - Thapar

SILVER SCREEN 2.0 (MOVIE FEST)

Fun, amusement, excitement, enjoyment and entertainment were in the atmosphere of the JUIT campus during the three days of Movie Fest "SILVER SCREEN" organised by JYC Movie Club dated 8th-11th October 2015. Movie Club started its events with "Kicks and Flicks" consisting of three rounds: Treasure Hunt, Two leg race and fun with balloons entertaining a huge crowd.

MASTERCHEF 3.0

On 27-Sept-2015, the hidden chefs of JUIT came into action. The air was filled with mouth watering aroma. The JYC Cultural Club organised MASTERCHEF 3.0 (Taste of Home) at the Open Cafe. The event was sponsored by Sunny's Take Away. The event was a great success as a large number of students from all the years participated in teams and displayed their talents. From delicious pastas to amazing chocolate cake, the participants, they could cook everything. To

lighten up the stress of the participants there was some good music being played in the background. In the end they came up with some very creative, innovative and tempting dishes.

TEDxJUIT

Students of Department of Civil Engineering organized TEDxJUIT on May 22, 2016. In this event various speakers came all across the country to share their experiences.

YOU PLAY

Students, Department of Civil Engineering had also organized You Play extra curricular event on November 21, 2015. In this various games such as Faculty cricket match, Tambola, Blind Drive and Chess etc were played.

DHUN

Dhun, the unplugged musical night was held on 10th October 2015 at JUIT. The combining sounds and words and stagecraft produced a subjective experience of beauty, with the expression of emotion.

KEYNOTE SPEAKER

IEEE JUIT-SB organized a keynote lecture by Ms. Tanvi Sharma on "4G Telecommunication Systems" on 15th October 2015. Ms. Tanvi Sharma is currently working with Ericson and has recently launched 4G technology in Hyderabad, Delhi and Shimla. The keynote was very inspiring and motivated students to pursue their career in communication. It opened a new gateway for students and helped them to know more about telecommunications.

Ph.D AWARDED—STUDENTS



Mr. Hitanshu Kumar, Department of Physics and Material Science, has been conferred Ph.D for his research topic “Development of II-VI and IV-VI Group Quantum Dots and their Core/Shell structures” under the guidance of Dr. Ragini Raj Singh.



Ms. Dikshita Gupta, Department of Physics and Material Science, awarded with Ph.D degree for her research on the topic, “Hydrogen response of Palladium Nanoparticles and surface modified films. She was supervised by Dr. P B Barman and Dr. S K Hazra.



Ms. Saras Jyoti, Department of Biotechnology & Bioinformatics, has completed her Ph.D on the topic, “Investigating Factors Influencing In Vitro Differentiation during Development Using Mouse Embryonic Stem Cells as a Biological System “. She was guided by Dr. Simran Tandon.



Mr. Ashish R Warghat has completed his Ph.D from Department of Biotechnology and Bioinformatics on “Biodiversity and Conservation of Dactylorhiza Hatagirea (D DON) SOO from Trans-Himalayan Ladakh Region of India“. He accomplished his research under the supervision of Dr. Hemant Sood .



Mr. Sandeep Lohan, Department of Biotechnology and Bioinformatics has completed his Ph.D on “Design Synthesis and Antimicrobial Evaluation of Structurally Diverse Short Peptide Based Molecules” under the supervision of Dr. Gopal Singh Bisht.



Mr. Aseem Chawla conferred his Ph.D on the topic “Molecular Analysis for Sex Determination in Dioecious Seabuckthorn Using Genomic Approaches” from Department of Biotechnology and Bioinformatics under the supervision of Dr. Anil Kant.



Mr. Amol Bapurao Tayade has been awarded with Ph.D on his research in Pharmaceutical Chemistry on the topic, “Phytochemical Characterization and Pharmacological Evaluation of Rhodiola Imbricata Edgew Root from Trans Himalayan Cold Desert Region of Ladakh India“. He was working under supervision of Dr. Manu Sharma.



Ms. Garima Bharti has completed her Ph.D from Department of Electronics and Communication on “Analysis and Design of Frequency Selective Surface for Transmission in S band and Reflection in Ku Ka band for Satellite Communication” under the supervision of Prof. Ghanshyam Singh.



Mr. Tapan Kumar Jain, completed his Ph.D ECE under the supervision of Prof. Davinder Singh Saini. His topic of research was “Lifetime Optimization of a Single and Multiple Sinks Wireless Sensor Network Ensuring Maximum Coverage and Connectivity”.

DIKSHA—2015

DIKSHA-2015 is the showcase of celebration and welcome of new comers in their new home JUIT by JYC Club on 27th August 2015. Fresher's had performed with the best of their excellence for competing for the titles and for entertainment, under the guidance of senior student coordinators. This ignites and initiates the bonding of respect and care between fresh and old students of JUIT family.



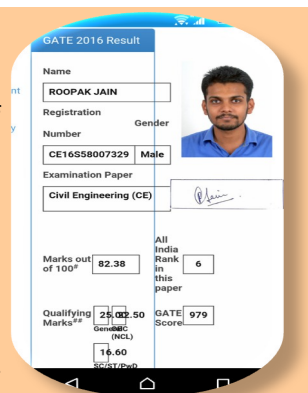
NUKKAD NATAK

Environment Club undertook a Nukkad Natak and Rally on 30th September 2015 against the use/selling of drugs and tobacco inside the campus. The event started with a gathering of the staff members and students near the main gate, where they took up the responsibility of spreading awareness about diseases caused due to consumption of drugs tobacco and alcohol.

All India 6th Rank in GATE 2016

Mr. Roopak Jain, a JUIT student of Department of Civil Engineering has successfully cleared the GATE 2016 (Civil Engineering) by earning 6th rank in All India Ranking (AIR, Civil Engineering). The JUIT family congratulate him for this achievement.

In total, 27 students of B.Tech Final Year Civil Engineering Department qualified the GATE 2016.



OTHER ACTIVITIES—STUDENTS



IEEE PROJECT EXHIBITION

The project exhibition (12th – 14th August, 2015) was a spectacular display of ideas by IEEE students. The projects that were showcased also stood tall at All India Level - Intel Hackathon 2015. While the amazing dance of the LED lights turned the heads of passers by, the 'Holographic Jukebox' took their breath away. The makers of the projects stood beside it to take the questions of people watching it. There were many other projects as well like, 'The Smart City', 'The Dustbin Picker' and a few more.

PHOTOSHOP WORKSHOP

The Photoshop workshop was held during 1-2 October 2015 in collaboration with Rotaract Club of Waknaghat. It was a learning workshop for IEEE-JUIT students. Most of the students were able to learn and were able to make variations with their photographs. A small competition was also organized after the workshop that was of certificate making.

Top five entries were given prizes.

ROBOTICS WORKSHOP

This workshop was organised by IEEE-SB JUIT from 12 October to 14 October 2015. Day one consisted of sessions regarding the design of basic manual robot controlled with help of DPDT's. Day two consisted of explanation and introduction to basic ARDUINO IDE, and explanation of codes for digital and analogue input output. Day three consisted of final preparation and assembling of an autonomous robot; specifically a black line follower; IR sensors implementation and the code were provided at the session only designed on Arduino uno R3.

INCIPERE

Synapse has always been a platform for students to develop and exhibit their capabilities in the field of science. The orientation of the club, aptly named 'Incipere' was a great success, conducted majorly to generate awareness among the first year students about Synapse and its working on 23rd

September 2015. Coordinators of each club met the specific needs of the uniqueness of the orientation. Packed theatre along with enthusiastic eyes and ears witnessed the event unfold, which started off with the history of Synapse by Tushar (B.tech 4th Year), followed by the launch of the newsletter, Stomata 1.1, and the website. But what caught the audience's heart and laugh was the skit performed by 2nd and 3rd year students, based on biotechnology puns and slapstick humor.

DESIGN AND IMPLEMENTATION OF LOGIC USING FPGA

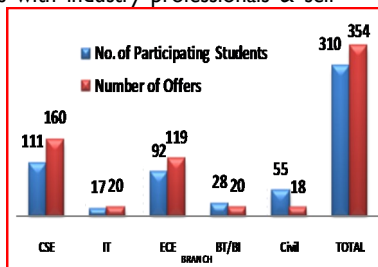
A workshop on 'Design and implementation of logic using FPGA' was organised by the IEEE Student Branch of JUIT during 16-23 November 2015. The objective of the workshop was to provide introduction to digital designing with reconfigurable VLSI hardware using VLSI tools. Mr. M Wajid of Department of ECE, JUIT was the instructor.

TRAINING & PLACEMENT

The T&P cell of JUIT plays a key role in counseling, guiding and training the students of the University for their successful Career. The Cell maintains symbiotic, vibrant and synergetic relationship with various Industries across the country and even across the globe. While the mandate of the T&P Cell is to empower every student to become proficient and attain all the necessary skills, knowledge & attitude while studying in the University, it also provides various interfaces with industry professionals & self-made entrepreneurs to motivate the students to take up entrepreneurship as an important option for career growth.

Following are the placement highlights for the year 2015-16.

- Highest package offered of 27.5 Lakhs per annum by Amazon.com.
- 354 offers received for 310 eligible students.
- Of the 86 Companies, 34 offered CTC > Rs 5 Lakhs PA.





Comments and Feedback are invited at:
hillyramblings@juit.ac.in

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Hilly Ramblings

A NEWSLETTER OF JUIT

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

The JUIT, Wagnaghat was set up by Act No.14 of 2002 vide Extraordinary Gazette notification of Government of Himachal Pradesh dated May 23, 2002 and approved by the University Grants Commission under section 2(f) of the UGC Act. The University is spread over 25 acres of lush green picturesque slopes of Wagnaghat, in District Solan of Himachal Pradesh, creating a tranquil environment that can heighten the spirit and energy level of all learners and inspire them to optimize their learning efforts.

The vision of the University is to become a Centre of Excellence in the field of IT & related emerging areas of education, training and research comparable to best in the world for producing professionals who shall be leaders in innovations, entrepreneurship, creativity and management.

JUIT 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.

Over the period of time JUIT has been developed as a modern world class campus, with intellectually vibrant ambience in a serene with a state-of-the-art campus. Comprising smart buildings with Internet with Wi-fi connectivity, including environmentally conditioned Academic block, Annapurna (Mess), well-equipped modern laboratories, Learning Resource Centre, Faculty and student residences provide a pleasant and intellectually stimulating ambience to students in an eco friendly environment.

The Academic Philosophy:

- Student centric learning
- Encouragement to self-learning
- Periodic review of curricula to keep pace with changing technology
- Regular updating of Electives in the Curricula
- Emphasis on Project, Design, and Laboratory Skills
- Development of Communication Skills and Leadership quality
- Emphasis on fundamentals, Concepts, understand and analytical & Problem solving skills.
- Enhancement of scientific reasoning ability
- Integration of human values and professionalism

Editorial Board:

Dr. Suresh K Chauhan, Learning Resource Centre

Dr. Rahul Shrivastava, Department of Biotechnology and Bioinformatics (Coordinator, Training and Placement)

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