

A Newsletter of JUIT

HILLY RAMBLINGS

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IN THIS ISSUE

MoU Signed

International Conference

TIEDC Events

VICHARANA 2.0

Workshops

Projects

Short Term Course

Fit India Movement

Special Talks

International Webinars

E-Essay Contest

Intellectual Capital

Faculty Spotlight

Ph.D Spotlight

More...



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6th International Conference

PARALLEL, DISTRIBUTED AND GRID COMPUTING (PDGC – 2020)

November 06 – 08, 2020

The Sixth 2020 International Conference on Parallel, Distributed and Grid Computing was organized by Department of Computer Science and Engineering and Information Technology during 06-08 November, 2020 in Association of technical sponsorship of IEEE Delhi section. The conference was inaugurated by Honorable Vice-Chancellor Professor Vinod Kumar along with function's Chief Guest, **Professor Shyam Sunder Pattnaik**, NITTR, Chandigarh. On this auspicious occasion **Professor Vinod Kumar** Vice-Chancellor Jaypee University of Information Technology, **Professor Samir Dev Gupta**, Dean (Academics), Jaypee University of Information Technology and Professor Shyam Sunder Pattnaik have motivated the audience by their addresses. They all have shown the importance of the title of the conference in today's scenario.

Dr. Hemraj Saini, Conference General Chair has provided the briefings of three days conference and welcomes all the dignitaries present in the meet. This International Event provides a platform to share the research works by the researchers and academicians of International level to benefit the society. In this conference, a total of 113 research papers were presented from India and abroad. In addition, four keynotes were also presented in detail by keynote speakers including **Professor Tamas Kiss**, Director of Research Centre for Parallel Computing Professor, School of Computer Science and Engineering, University of Westminster, **Dr. David (Bong Jun) Choi**, School of Computer Science and Engineering (Joint



Appointment: School of Electronic Engineering - IT Convergence) College of Information Technology, Soongsil University, Seoul, Korea, **Dr. Rahul Katarya**, Department of Computer Science & Engineering, Officer In-Charge, International Partnership & Visitation, Office of International Affairs, Delhi Technological University, Government of NCT, Delhi and **Dr. Neha Sharma**, Analytics & Insights, Tata Consultancy Services, Pune, India in their respective fields to benefit the audience. Over 200 participants connected virtually to attend the conference. The event ended with the Valedictory Session by Dr. Hemraj Saini.

TIEDC Event

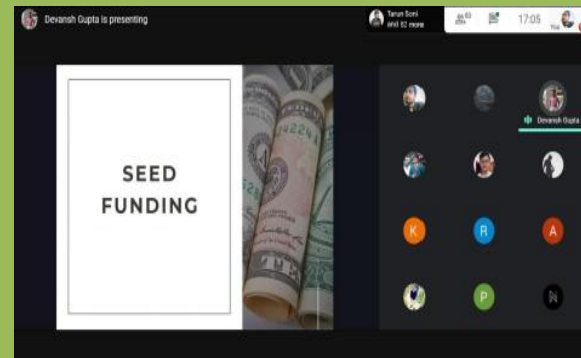
ENTREPRENEURSHIP WORKSHOP 2020

November 21 – 22, 2020

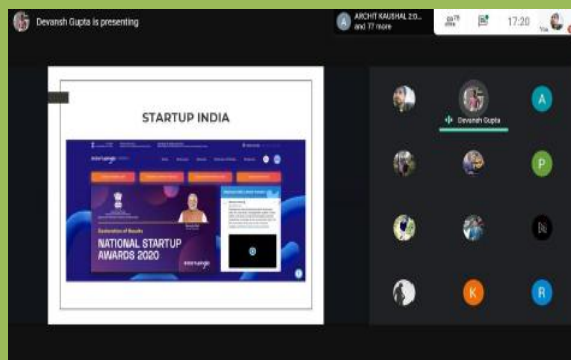


The Technology Incubation Entrepreneurship and Development Cell at Jaypee University of Information Technology, Solan organized an Entrepreneurship Workshop on the weekend of 21st and 22nd November, 2020.

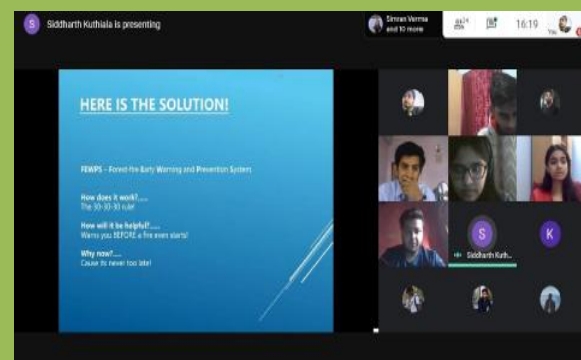
A two day event, with 80 participants, the workshop was a way to introduce college students to the various aspects of the startup world. Participating students were briefed about topics like Business Development, Marketing, Finances and Design Thinking



various parts of a startup, from the Partners, Resources, Marketing and Revenue Streams The



through presentations and sessions hosted by the members of the E Cell. At the end of the first day, following the sessions, an event was organized wherein participants were teamed up with one another. The teams were then asked to come up with an idea which they felt could eventually lead to a startup. Along with pitching their ideas, teams had to build their own Business Model Canvas - a representation of

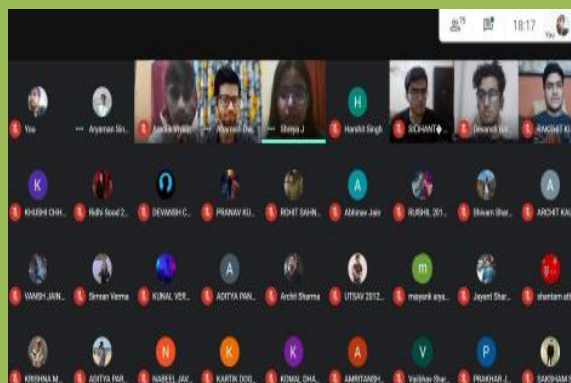


second day started early at 11 am with a brief session for the participants on how to pitch any idea and make presentations for the same. The pitches commenced at 3:30PM wherein each team presented their idea and the related Business Model to the panel. Each pitch lasted 10 minutes including questions put up to the teams regarding their startup idea by the panel

The top two teams whose ideas and presentations stood out were -

1. Siddharth Kuthiala, Khushi Chabra, Archit Kaushal, Shikhar Khandelwal
2. Ishan Sharma, Paras Sharma, Aarhan Ali Khan, Puneet Katoch

The event ended with positive feedback from the attendees on the entire two day learning experience.



TIEDC & e-Yantra Event

VICHARANA 2.0: TOY INNOVATION CHALLENGE

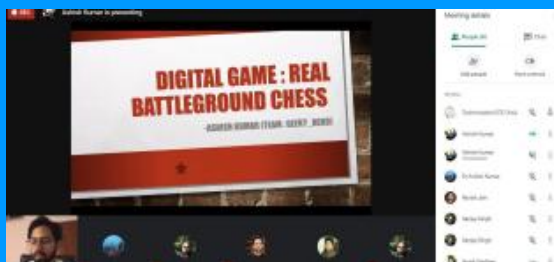
January 16, 2021

VICHARANA 2.0: Toy Innovation Challenge was organized by TIED Cell in association with e-yantra and Technovatorz club of Department of Electronics and Communication Engineering on 16th January 2021 through GoogleMeet. Under the event innovative ideas were welcomed from the participants for manufacturing local innovative toys based on our culture and tradition under the Board/Indoor game; Outdoor game and Digital game. In total 34 teams that involved a total of 65 participants had submitted their ideas for the first round. The ideas submitted were reviewed by 3 reviewers: Dr. Emjee Puthooran, Dr. Vikas Baghel and Dr. Harsh Sohal of JUIT. In the second round, teams presented their ideas in front of a judging panel. To judge the ideas, two panels were formed. Panel 1 judged the ideas under Board Game whereas Panel 2 judged the ideas under Digital and Outdoor games. Jury Members in Panel 1 are as follows:

1. Mr. Vineet Krishna, Sr. Project Manager, Fidelity Information Services, Alumnus (2004-2008), ECE, JUIT
2. Mr. Anupam Prasad, Enterprise Business Analyst, McCain Foods Limited, Alumnus (2004-2008), ECE, JUIT
3. Dr. Harsh Sohal, Assistant Professor, Department of ECE, JUIT
4. Dr. Nishant Jain, Assistant Professor, Department of ECE, JUIT

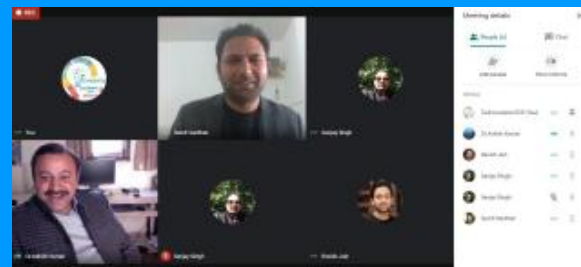
Jury Members in Panel 2 are as follows:

1. Mr. Sanjay Singh, Project Manager, Infosys Ltd., Alumnus (2002-2006), ECE, JUIT
2. Mr. Ravish Jain, PicsArt, Country Head for India & SAARC, Alumnus (2005-2009), ECE, JUIT
3. Mr. Sumit Vardhan, Patent & Market Research Consultant, SMES & DED, Abu Dhabi, Alumnus (2008-2012), ECE, JUIT
4. Prof. Ashish Kumar, Professor, Dept of Civil Engg, JUIT

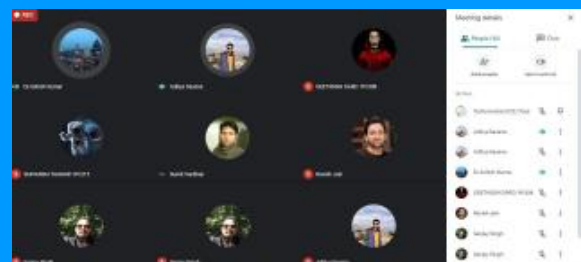


The following teams declared as winners:

1. Under the theme “Board Games”, Winner was Team PerChins who presented their idea titled “Indian Epics Board Games”. Names of the team members were Suriyaa K.R. 8th grade, Nithika K.R. 4th grade from Chitkara International school, Chandigarh and K.R Ramkumar from Chitkara University.
2. Under the theme Digital Games Winner was Team D-Force who presented their idea titled “Cricket Auction And Match Simulator”. Names of the team members were Aditya Saxena, Geetansh Garg and Shivansh Thakur from 2nd Year, BTech., JUIT.
3. Under the theme Outdoor Games Winner is Team karishma- presented their idea on “outdoor game using wooden Puzzle”. The Name of the team member was Karishma.



Winning team under each theme was awarded with Rs 3000/- Amazon Gift coupons and with the amount of Rs 7,000/- which they can use for the development of the prototype. If students are able to build the prototype then they will be encouraged to submit their ideas and project in events like Smart India Hackathon, e-Yantra event by IIT Bombay and students will be encouraged to submit business ideas.



INTERNATIONAL WEBINAR SERIES

The Centre of Excellence in Health Care Technologies and Informatics (CEHTI) of JUIT had started an International Webinar Series in the last year. The CEHTI organised webinars delivered by eminent academicians and

researchers on diversified topics related to bioinformatics, biomedical informatics and healthcare sectors. Following three webinars were conducted during the period of November 2020 to March 2021.

	<p>International Webinar by Dr. Dipankar Sen Gupta Queens University Belfast, Northern Ireland, UK on CLINICAL BIOINFORMATICS: BRIDGING THE GATEWAY TO PRECISION MEDICINE (6th November 2020)</p>
<p>International Webinar by Ms. Meemansa Sood Fraunhofer Institute – SCAI, Department of Bioinformatics & B-IT Bonn University, Germany on LONGITUDINAL MODELING OF ALZHEIMER'S DISEASE USING MACHINE LEARNING METHODS (7th November 2020)</p>	
	<p>International Webinar by Prof. Holger Fröhlich Head of AI & Data Science Group & Deputy Head of Department of Bioinformatics at Fraunhofer SCAI, Germany On MULTI-MODAL DATA INTEGRATION IN BIOMEDICINE (12th January 2021)</p>

The International webinar series has been conducted by team CEHTI which includes Dr. Tiratha Raj Singh as Convener, Dr. Ragini Raj

Singh and Dr. Nishant Jain as coordinators with Prof. Sudhir Kumar, Head, BT and BI.

e-Essay contest

ROLE OF WOMEN IN SCIENCE AND TECHNOLOGY

February 15 – 27, 2021

“The Pen is mightier than the sword” by Edward Bulwer-Lytton, with this thought, the Committee for Complaints against Caste Based Discrimination of JUIT conducted an e-Essay Contest on the topic 'Role of Women in Science and Technology'.

As it was an open competition, the flyer was made public on 15th February, 2021 by promoting it on various social media platforms and the responses were accepted till 22nd February, 2021. Participants were asked to submit their essay in pdf or word format with their details. We received overwhelming responses not only from Himachal Pradesh but also from the states of Punjab, Tamil Nadu, Gujarat, Maharashtra, Telangana, Karnataka. The total no. of entries received for the contest were 47, out of which 10 participants were shortlisted. Six winners were declared from these shortlisted participants on 27th February 2021. The first position was awarded to



Siddhant Verma, the second position was secured by Sakshi Manoj Parkar, and Dhruv Srivastava, the third position was backed by Saumya Tyagi and Rhea Singh with one consolation prize to Monica Chaudhuri. The winners were awarded with E-certificates. Also, e-certificates of Participation were provided to all the participants.



PROJECT SANCTIONED TO CIVIL ENGINEERING DEPARTMENT

A project has been sanctioned to Civil Engineering department of Jaypee University of Information Technology on Geological Hazards mitigation using stone concrete block retaining walls and helical soil nailing, Mohal: Kandaghat, District Solan. The project sanctioned by the Office of the Deputy Commissioner of Solan District, HP. The department received sanctioned amount Rs. 25, 00,000/- through District Treasury.

No:-PLG/27-30/NDRF/2020-2021 - 22517
OFFICE OF THE DEPUTY COMMISSIONER
SOLAN, DISTRICT SOLAN, (HP)-173212
Ph.NO.01792-220697,e-mail:-dposolan@gmail.com

Dated Solan 173212 the 26 March,2021

To

The Vice- Chairman,
Jaypee University of Information,
Technology Waknaghat, District Solan.

Subject:-

Regarding Geological Hazards mitigation using stone concrete block retaining walls and helical soil nailing, Kandaghat, District Solan.

Sir,

Kindly find enclosed herewith sanction order No. PLG/27-30/NDRF/2020-2021-22038 dated 20/03/2021 on the subject cited above. In this connection, it is intimated that the sanctioned amount Rs. 25, 00,000/- (Twenty Five Lakh only) has been transferred through District Treasury in your account no. 6371000100014461 mailed by you.

Yours faithfully,

District Planning Officer,
Solan, District Solan.

Endst. As above

REPUBLIC DAY CELEBRATION

January 26, 2021

The 72nd Republic Day of India was celebrated at the campus on 26th January 2021. The Registrar Maj. Gen Rakesh Bassi, Rtd coordinated the pride ceremony of Republic Day. The National Flag was hoisted by the Hon'ble Vice Chancellor, Prof. Vinod Kumar. The ceremony was taken place near Vivekananda Statue at 09:30AM in the campus. In view of COVID-19 Safety Protocol, the event was kept limited to a few Security Personnel and essential staff for arrangements. All present had observed social distancing norms along with using face masks. Tea and snacks were served after the flag hoisting.



MOU SIGNED

JUIT signs MOU with Alves Health Care Ltd. The company is based in Nalagarh, Solan and Mahim, Mumbai. The purpose of the MOU is to promote collaborative work between JUIT and Alves Health Care Ltd. in field of education, research and technology development.



DBT SKILL VIGYAN PROJECT

The department of Biotechnology and Bioinformatics started DBT Skill Vigyan Project in February 2021 in Quality Control Biologists and Lab. Technicians job roles. Science graduates and 12th passed science students are enrolled in this project in collaboration with HIMCOSTE.

On 15 February, 2021, the department of Biotechnology and Bioinformatics started online “Quality Control Biologists Training” of science graduates of various states under a sponsored project of DBT in collaboration with HIMCOSTE.

DBT SPONSORED M.SC. – BIOTECHNOLOGY

The department of Biotechnology and Bioinformatics started DBT sponsored M. Sc. Biotechnology program in November 2020.

Club activities

FIT INDIA CAMPAIGN AT JUIT

Various activities were conducted under Fit India Campaign Club of Jaypee University of Information Technology (JUIT) Waknaghat. Some of the activities, taken place during November 2020 to February 2021, are listed below:

TALK ON SLEEP DISORDERS

A Webinar on the theme "Sleep Well to Stay Fit" was organized on 21st November 2020 w.e.f.



09:30AM to 11 :00AM to educate all regarding ill effects of the irregular and less sleep. Dr. Muthuraj Sangu (Neuroscientist),

Department of Pharmacological & Pharmaceutical Sciences, University of Houston, Houston, Texas, US spoke on the title "Neurobiology of sleep and neurological disorders: Outcome from basic research". There were a lot of queries by the attendees which were nicely clarified by Dr. Muthuraju Sangu at the end of the session. The whole session was very interesting as could be inferred from the duration of the session which lasted for more than one and a half hours and from the number of queries at the end of the session. Approximately 100 participants attend the webinar.

TALK ON PHYSICAL FITNESS AND WELLNESS

A webinar on the title "Physical fitness and wellness" was conducted on 28th November 2020 at 11:00 AM to 12:30 PM to appraise all

about the benefits of fitness for the healthy living. Raghav Kumar, Sports Coach, JUIT, Solan delivered a talk on this topic. More than 30 attendees were in the meeting. A lot of queries were answered at the end of the talk by the speaker.

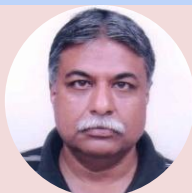


REGULAR FITNESS ACTIVITIES

Regular fitness activities, including volleyball, basketball, yoga, badminton and table tennis were arranged. Since students have not joined the University because of lockdown, in-house faculty and their children are regularly participating in the activities mentioned above. A good number of participants were involved in these activities. They have regularly been told and motivated regarding the advantages of fitness in life by Raghav Kumar, Sports Coach, JUIT. Timings for these activities are (1) in the morning, 07:00AM - 07:45AM: Yoga and (2) in the evening, 05:30PM to 08:00PM: basketball, badminton and table tennis. In addition to this faculty members coming to the campus play badminton daily from 01 :00PM to 02:00PM.

Dr. Tiratha Raj Singh, Dr. Ragini Raj Singh and Dr. Nishant Jain worked as members of Organizing team during the Online/Virtual International Summit on Atmanirbhar Bharat: India as Manufacturing Hub (Promoting Innovation and Entrepreneurship in Medical Devices, held during November 26-27, 2020, organized by ICMR-CIBioD where 2700+ delegates and 65+ domain experts participated from across the globe. This was an activity after the MoU was signed between JUIT and with CIBioD, PGI, Chandigarh.

FACULTY SNAPSHOT



Invited talk by **Prof.(Dr.) P.B. Barman, Head, Department of Physics and Materials Science** in International Conference AMRP 2020 held during 9-11 November 2020 in online mode. His talk was focused on latest research, current practices and future trends in the field of material science and radiation physics.



Prof. Sudhir Kumar was a resource person for UGC-Refresher Course on Environment Conservation and he delivered a webinar on “Biogas Technology and Environmental Conservation” This was arranged by UGC – Human Resource Development Centre of Guru Nanak Dev University, Amritsar (24 November, 2020).

Prof. Sudhir Kumar was a resource person for UGC-Faculty Induction Program and he delivered a webinar on “Ways of Teaching and Learning” for Faculty members newly inducted in various Govt. Colleges/Universities of India. This was arranged by UGC – Human Resource Development Centre of Guru Nanak Dev University, Amritsar (11 December, 2020).

Prof. Sudhir Kumar, Head, Department of BT-BI, delivered a webinar on Teaching and Learning for school and college faculty of Himachal and other states on 16th January, 2021. Through his talk, he highlighted the methodology and innovation and creativity practices in teaching and learning.

Prof. Sudhir Kumar was a resource person for an interactive session on “Bioenergy from Food Waste” invited by Swachhta Committee of Sciences of MCM DAV College for Women, Chandigarh.(06 February, 2021).



Dr. Shruti Jain, Associate Professor, Department of ECE, delivered Lecture on “Recent Advances in Computational Intelligence for Signal Processing”, AICTE sponsored One Week National Level Online Faculty Development Program on “Research Areas in Bio-Medical Signal Processing” dated Dec 14-19, 2020 organized by Sri Vasavi Engineering College, Tadepalligudem.

Dr. Shruti Jain Sessioned Chair in 2nd International Conference on Soft Computing for Intelligent Systems, (SCIS-2020) organized by University Institute of Engineering & Technology Kurukshetra University, Kurukshetra from 24th-25th December 2020(online mode)



Dr. Nafis Uddin Khan, Asstt Professor, Department of ECE, Chaired a session in the 3rd International Conference on Communication and Computational Technologies (ICCCT 2021) Jointly Organized in Virtual Format by Rajasthan Institute of Engineering and Technology, Jaipur and Rajasthan Technical University Kota in Association with Soft Computing Research Society, February 27-28, 2021



Dr Hemant Sood, Associate Professor, Department of BT-BI, has accomplished NPTEL course and FDP with silver medal on 'Managing Intellectual property in University' scheduled from September 2020 to October 2020 conducted by NPTEL, IIT Madras and SWAYAM Funded by the Ministry of HRD, Govt of India (examination was on 18th December 2020).



Mrityunjay Singh, Assistant Professor, Department of CSE, delivered an invited talk on "Machine learning in healthcare" in the STC Recent Trends in Computer Science and Engineering organized by the Department of Computer Science and Engineering, Bundelkhand Institute of Engineering and Technology, Jhansi on February 24th, 2021.

BOOK PUBLISHED



Dr. Shruti Jain
Asso Prof. ECE

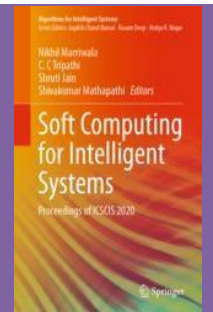
SOFT COMPUTING FOR INTELLIGENT SYSTEMS

Proceedings of ICSCIS 2020

Editors: Marriwala, N., Tripathi, C.C., Jain, S., Mathapathi, S.
(Eds.)

This book presents high-quality research papers presented at the International Conference on Soft Computing for Intelligent Systems (SCIS 2020), held during 18–20 December 2020 at University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, Haryana, India. The book is helpful for educators, researchers and developers working in the area of recent advances and upcoming technologies utilizing computational sciences in signal processing, imaging, computing, instrumentation, artificial intelligence and their applications.

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DOI – 10.1007/978-981-16-1048-6



PH.D SNAPSHOT

	Hakam Singh (176204) completed his Ph.D on “DESIGN NEW META HEURISTIC ALGORITHMS FOR PARTITIONAL CLUSTERING PROBLEMS” under the supervision of Dr. Yugal Kumar on November 10, 2020.
	Amit Sharma (166211) completed his Ph.D on “RELIABLE FOREST FIRE DETECTION SYSTEM USING WIRELESS SENSOR NETWORKS AND INTERNET OF THINGS” under the supervision of Dr. Yugal Kumar and Dr. Pradeep Kumar Singh (Co-supervisor) on November 11, 2020.
	Charu Bhardwaj (176005) completed her Ph.D on “A COMPUTATIONAL FRAMEWORK FOR DIABETIC RETINOPATHY SEVERITY GRADING CATEGORIZATION USING OPHTHALMIC IMAGE PROCESSING” under the supervision of Dr. Shruti Jain on November 19, 2020.
	Kirti (176006) completed her Ph.D on “A LOW POWER WEARABLE ECG MODULE FOR HEART RATE VARIABILITY CLASSIFICATION SYSTEM” under the supervision of Dr. Shruti Jain on November 23, 2020.
	Shivi Sharma (166204) completed her Ph.D on “SECURE DELAY AWARE SCHEDULING AND LOAD BALANCING ALONG WITH REDUCED ENERGY FOR DEADLINE SENSITIVE APPLICATIONS IN FOG COMPUTING ENVIRONMENT” under the supervision of Dr. Hemraj Saini on November 25, 2020.
	Abhishek Guleria (176852) completed his Ph.D on “SOME NEW APPROACHES TO SOLVE DECISION MAKING PROBLEMS UNDER PYTHAGOREAN FUZZY SET ENVIRONMENT” under the supervision of Dr. Rakesh Kumar Bajaj on December 4, 2020.
	Ekta Thakur (176001) completed her Ph.D on “DESIGN & DEVELOPMENT OF COMPACT MIMO / DIVERSITY BAND NOTCHED UWB ANTENNAS” under the supervision of Dr. Naveen Jaglan on December 10, 2020.
	Navdeep Prashar (166005) completed his Ph.D on “ELECTROCARDIOGRAM ANALYSIS FOR ROBUST OPTIMAL THRESHOLDING SYSTEM DESIGN” under the supervision of Dr. Shruti Jain on December 29, 2020.
	Sonia Kumari (166553) completed her Ph.D on “EXPLORATION OF MYCELIAL PROTEINS AND SHIKONIN MEDIATED GROWTH INHIBITION OF ASPERGILLUS TERREUS USING PROTEOMICS APPROACH” under the supervision of Dr. Jata Shankar on January 21, 2020.
	Anand Kumar Srivastava (166210) completed his Ph.D on “DESIGN MACHINE LEARNING CLASSIFIER FOR HEALTHCARE APPLICATIONS” under the supervision of Dr. Yugal Kumar and Dr. Pradeep Kumar Singh on February 10, 2021.
	Preeti Thakur (146801) has completed her Ph.D on “DIGITAL CONSUMERS IN TIER 2 CITIES OF NORTH INDIA - ANALYZING AND DISCERNING ONLINE BEHAVIOUR” under the supervision of Dr. Anupriya Kaur on November 7, 2020.

INTELLECTUAL CAPITAL

Publications in Research Journals

- Behl, S., Sharma, A., Suravajhala, P., & Singh, T. R. (2020). Computational studies to explore the role of MSI associated DNA mismatch repair mechanisms in HNPCC through expression and interaction data. *International Journal of Bioinformatics Research and Applications*, 16(4), 408-416
- Bhardwaj, P., Barman, P. B., & Hazra, S. K. (2021). Hydrogen response of palladium nanoparticles washed with different solvents. *Bulletin of Materials Science*, 44(1), 1-7.
- Gupta, R., Sharma, D. & Sood, H. (2021) Micropropagation of critically endangered herb of Himalayan region: *Trillium govanianum* for in vitro shoot proliferation and production of Diosgenin. *Research Journal of biotechnology*. 16(2), 173-178.
- Jain, S. (2020). Computer-Aided Detection System for the Classification of Non-Small Cell Lung Lesions using SVM. *Current computer-aided drug design*, 16(6), 833-840.
- Munjal, N. S., Shukla, R., & Singh, T. R. (2021). Physicochemical characterization of paclitaxel prodrugs with cytochrome 3A4 to correlate solubility and bioavailability implementing molecular docking and simulation studies. *Journal of Biomolecular Structure and Dynamics*. 39, 1-13.
- Salau, A. O., & Jain, S. (2021). Adaptive diagnostic machine learning technique for classification of cell decisions for akt protein. *Informatics in Medicine Unlocked*, 23, 100511.
- Shukla, R. and Singh, T.R. (2020). Neuroinflammation in Alzheimers Disease: current therapeutic approaches and recent progress. *Journal of Neurology and Brain Disorders*, 4(5), 403-416.
- Singh, M., Jakhar, A. K., & Pandey, S. (2021). Sentiment analysis on the impact of coronavirus in social life using the BERT model. *Social Network Analysis and Mining*, 11(1), 1-11
- Yadav, A. K., Shukla, R., Changotra, H., & Singh, T. R. (2021). Recent challenges and progress of potential vaccines for Coronavirus disease 2019 (COVID-19). *International Journal for Computational Biology (IJCB)*, 9, 7-23.

Publications in conference proceedings

- Bhardwaj, H., Jadav, S., Sohal, H., & Jain, S. (2020, December). Optimized Crosstalk Circuit for Long Wire Copper Interconnects using 45nm CMOS Inverter. In 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE) (pp. 392-395). IEEE. Bangladesh, Dec 26-27, 2020.
- Gupta, R. and Sood, H. (2021). Biosynthesis and accumulation of mangiferin and amarogentin in different developmental phases of in vitro grown *Swertia chirayita*. 5th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2021&ICONBIO) January 29-30, 2021, Arunai Engineering College, Tiruvannamalai, Tamilnadu, India.
- Jain, S. (2020, December). FPGA-Assisted Framework for Heart Rate Evaluation using ECG Signal Processing. In 2020 IEEE 17th India Council International Conference (INDICON) (pp. 1-6). IEEE. Netaji Subhas University of Technology, New Delhi, December 11-13, 2020.
- Maheshwari, K., Yukti, & Sood, H. (2020). Effect of homemade biocompost and bioenzyme on exotic vegetables. International Conference of innovations in Biotechnology and Life Sciences(ICIBLS2020) hosted by Department of Biotechnology, Delhi Technical University, 18-20 December, 2020 pp107 065 ISBN (Print): 978-93-88647-32-8 ISBN (Online): 978-93-88647-33-5.
- Mohan, A., Srivastava, K., Malhotra, G., & Khan, N. U. (2020, November). Plant Disease Detection Using Clustering Based Segmentation and Neural Networks. In 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) (pp. 506-510). IEEE. Jaypee University of Information Technology, Solan, India, November 06 – 08, 2020,
- Pal, B., Mahajan, S., & Jain, S. (2020, December). Medical Image Fusion Employing Enhancement Techniques. In 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE) (pp. 223-226). Bangladesh, Dec 26-27, 2020.
- Saxena, S., Sinha, S., & Jain, S. (2021). Computer-Aided Diagnostic System for Diabetic Retinopathy Using Convolutional Neural Network. In Innovations in Information and Communication Technologies (IICT-2020) (pp. 219-226). Springer, Cham. ITS, Mohan Nagar, Ghaziabad, UP, India, 7-8 November, 2020.
- Sharma, A., Chudhey, A. S., & Singh, M. (2021, March). Divorce case prediction using Machine learning algorithms. In 2021 International Conference on Artificial Intelligence and Smart Systems (ICAIS) (pp. 214-219). IEEE.
- Shrivastva, U. and Sood, H. (2021). Molecular screening for phytochemical significance of *Podophyllum hexandrum* Royale and *Podophyllum peltatum*. In 5th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2021 ICON) January 29-30, 2021 organized Arunai Engineering College, Tiruvannamalai, Tamilnadu, India.
- Sood, M., & Jain, S. (2021). Speech Recognition Employing MFCC and Dynamic Time Warping Algorithm. In Innovations in Information and Communication Technologies (IICT-2020) (pp. 235-242). Springer, Cham., ITS, Mohan Nagar, Ghaziabad, UP, India, 7-8 November, 2020.

- Thakur, D., Baghel, V., & Talluri, S. R. (2020, November). Robust beamforming against mismatched signal steering vector using ellipsoidal constraints. In 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) (pp. 303-307). IEEE. 303-307, Jaypee University of Information Technology, Solan, India, November 06 – 08, 2020.
- Thakur, G., Sohal, H., & Jain, S. (2020, November). FPGA-based parallel prefix speculative adder for fast computation application. In 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) (pp. 206-210). Jaypee University of Information Technology, Wanknaghat, India, November 06-08, 2020.
- Verma, K., Beakta, M., Srivastava, P., & Khan, N. U. (2020, November). A Non-intrusive Approach for Driver's Drowsiness Detection. In 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) (pp. 501-505). IEEE, Jaypee University of Information Technology, Solan, India, November 06 – 08, 2020.
- Yukti, Maheshwari, K. & Sood, H. (2021). Optimizing components of biocompost and bioenzyme for growing exotic vegetables. 5th International Conference on Bioenergy, Environment and Sustainable Technologies (BEST2021) January 29-30, 2021 organized Arunai Engineering College, Tiruvannamalai, Tamilnadu, India.

Publications as book chapters

- Pundir, A., Kad, A., & Sood, H. (2021). *Rhodiola imbricata*. In *Himalayan Medicinal Plants: Advances in botany, production and research*. Elsevier, Academic Publisher. (pp. 151-171). Academic Press. (ISBN: 978-0-12-823151-7, eBook ISBN: 9780128234303).
- Sharma, A., Tiwari, P., Gupta, A., & Garg, P. (2021). Use of LSTM and ARIMAX Algorithms to Analyze Impact of Sentiment Analysis in Stock Market Prediction. In *Intelligent Data Communication Technologies and Internet of Things: Proceedings of ICICI 2020* (pp. 377-394). Springer Singapore.
- Sharma, A., Chudey, A. S., & Singh, M. (2021). COVID-19 Detection Using Chest X-Ray and Transfer Learning. In *Handbook of Research on Machine Learning Techniques for Pattern Recognition and Information Security* (pp. 171-186). IGI Global.

जे.पी. विश्वविद्यालय की कार्यशाला से PWD अधिकारी लाभान्वित

नई दिल्ली, 23 नवंबर (संस्था) : सिविल इंजीनियरिंग विभाग, जे.पी. यूनिवर्सिटी ऑफ आईटी, एकनाथपट्टा द्वारा 'सस्टेनेबल हाईवे कंस्ट्रक्शन पर एक ऑनलाइन कार्यशाला आयोजित की गई। जिसमें एच.पी. पी. डब्ल्यू.डी. से सहायक अभियंता और जूनियर आर्किटेक्ट, सिविल इंजीनियरिंग स्कूल 100 से अधिक प्रतिभागियों ने भाग लिया। कार्यशाला का उद्घाटन जे.पी.आई.टी. के कुलपति प्रो. विनोद कुमार ने किया और समापन समारोह

ONLINE WORKSHOP FOR PWD ENGINEERS

workshop was conducted by the department of civil engineering at Jaypee University of Information Technology, Sustainable Highway Construction'. More than 100 including assistant engineers and junior architects, civil engineering students participated in the workshop. The workshop was held on the 23rd of November and was inaugurated by the Vice-Chancellor, Prof. Vinod Kumar. The workshop was conducted in Hindi and English. The workshop was held on the 23rd of November and was inaugurated by the Vice-Chancellor, Prof. Vinod Kumar. The workshop was conducted in Hindi and English.

सस्टेनेबल हाईवे-वे कंस्ट्रक्शन पर कार्यशाला

जेपी यूनिवर्सिटी ऑफ इंफार्मेशन टेक्नोलॉजी वाकनाघाट में 100 से अधिक प्रतिभागियों ने हिस्सा भगा। जेपी यूनिवर्सिटी ऑफ इंफार्मेशन टेक्नोलॉजी वाकनाघाट में 100 से अधिक प्रतिभागियों ने हिस्सा भगा। जेपी यूनिवर्सिटी ऑफ इंफार्मेशन टेक्नोलॉजी वाकनाघाट में 100 से अधिक प्रतिभागियों ने हिस्सा भगा। जेपी यूनिवर्सिटी ऑफ इंफार्मेशन टेक्नोलॉजी वाकनाघाट में 100 से अधिक प्रतिभागियों ने हिस्सा भगा।

कोविड-19 के नियमों को भूले लोग 20 फोर्सदी की दर से फैल रहा सऊम

कोविड-19 के नियमों को भूले लोग 20 फोर्सदी की दर से फैल रहा सऊम। कोविड-19 के नियमों को भूले लोग 20 फोर्सदी की दर से फैल रहा सऊम। कोविड-19 के नियमों को भूले लोग 20 फोर्सदी की दर से फैल रहा सऊम। कोविड-19 के नियमों को भूले लोग 20 फोर्सदी की दर से फैल रहा सऊम।

जेपी यूनिवर्सिटी में ऑनलाइन फैकल्टी डिवेलपमेंट प्रोग्राम

जेपी यूनिवर्सिटी में ऑनलाइन फैकल्टी डिवेलपमेंट प्रोग्राम। जेपी यूनिवर्सिटी में ऑनलाइन फैकल्टी डिवेलपमेंट प्रोग्राम। जेपी यूनिवर्सिटी में ऑनलाइन फैकल्टी डिवेलपमेंट प्रोग्राम। जेपी यूनिवर्सिटी में ऑनलाइन फैकल्टी डिवेलपमेंट प्रोग्राम।

ऑनलाइन फैकल्टी डेवलपमेंट प्रोग्राम सफलतापूर्वक सम्पन्न

ऑनलाइन फैकल्टी डेवलपमेंट प्रोग्राम सफलतापूर्वक सम्पन्न। ऑनलाइन फैकल्टी डेवलपमेंट प्रोग्राम सफलतापूर्वक सम्पन्न। ऑनलाइन फैकल्टी डेवलपमेंट प्रोग्राम सफलतापूर्वक सम्पन्न। ऑनलाइन फैकल्टी डेवलपमेंट प्रोग्राम सफलतापूर्वक सम्पन्न।



JAYPEE UNIVERSITY (INTERNATIONAL CONFERENCE)

Three days Sixth 2020 International Conference on Parallel, Distributed and Grid Computing was organized by Department of Computer Science and Engineering and Information Technology during 06-08 November 2020 in Association of technical sponsorship of IEEE Delhi section. The conference was inaugurated by Honorable Vice-Chancellor Prof. Vinod Kumar along with function's Chief Guest, Professor Sunder Pattnaik, Director, NITTR, Chandigarh. On this auspicious occasion Professor Vinod Kumar Vice-Chancellor, Jaypee University of Information Technology, Professor Samir Dev Gupta (Academics), Jaypee University of Information Technology, Shyam Sunder Pattnaik have motivated the audience.

दूर-दूर से 113 शोधपत्र प्रस्तुत

दूर-दूर से 113 शोधपत्र प्रस्तुत। दूर-दूर से 113 शोधपत्र प्रस्तुत। दूर-दूर से 113 शोधपत्र प्रस्तुत। दूर-दूर से 113 शोधपत्र प्रस्तुत।

3-day intl conference on PDGC concludes in Jaypee University

Excelsior Correspondent
JAMMU, Nov 12: A three-day international conference on Parallel, Distributed and Grid Computing concluded in Jaypee University of Information Technology, Wagnaghat, Solan (Himachal Pradesh). The conference was organized by Department of Computer Engineering and Information Technology in association with IEEE Delhi section. Vice-Chancellor Prof. Vinod Kumar inaugurated the conference along with function's chief guest, Professor Shyam Sunder Pattnaik, Director, NITTR, Chandigarh. On the occasion, Prof Vinod Kumar, Prof Samir Dev Gupta, Dean (Academics), Jaypee University and Professor Shyam Sunder Pattnaik motivated the audience by their addresses. Earlier, Dr Hemraj Saini, the conference ended with a vote of thanks presented by Dr Hemraj Saini.

अंतरराष्ट्रीय सम्मेलन में विशेषज्ञों ने साझा किए विचार

अंतरराष्ट्रीय सम्मेलन में विशेषज्ञों ने साझा किए विचार। अंतरराष्ट्रीय सम्मेलन में विशेषज्ञों ने साझा किए विचार। अंतरराष्ट्रीय सम्मेलन में विशेषज्ञों ने साझा किए विचार। अंतरराष्ट्रीय सम्मेलन में विशेषज्ञों ने साझा किए विचार।



HILLY RAMBLINGS

Coordinators:

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