

A Newsletter of JUIT

# HILLY RAMBLINGS

VOLUME 10 | ISSUE 3 | (MAR – JUN 2021)



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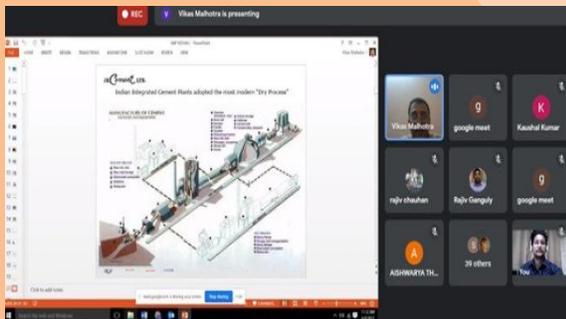
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**International Conference on  
CONSTRUCTION MATERIALS AND ENVIRONMENT (ICCME 2021)  
June 03 – 04, 2021**

The Department of Civil Engineering, Jaypee University of Information Technology, Solan and Indian Geotechnical Society (IGS), Shimla Chapter has organised the 1st International Conference on Construction Materials and Environment (ICCME 2021) during June 03-04, 2021 in virtual mode. The ICCME 2021 was conducted with the vision of bringing together researchers and practitioners from both academia as well as industry to meet and share the novel developments in the field of construction materials and sustainable environment. The Conference was coordinated by Prof. Ashok Kumar Gupta, Head Civil Engineering Department as Principal General



Chair and Dr. Saurabh Rawat, Assistant Professor of Civil Engineering Department of JUIT Waknaghat as General Chair of ICCME-2021.

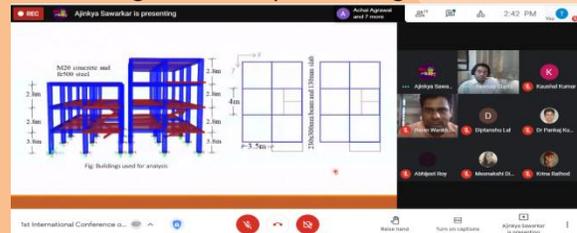
The chief guest for the inaugural session was Dr. Sanjay Kumar Shukla, Founding Editor-in-Chief [International Journal of Geosynthetics and Ground Engineering, Springer Nature, Switzerland], Founding Research Group Leader (Geotechnical and Geoenvironmental Engineering), School of Engineering, Edith Cowan University, Perth, Australia. He delivered his lecture on the Topic: Shallow foundations with geosynthetics - a sustainable approach through which he introduced the audience about the novel wraparound Technique developed by him to solve soft soil problems. Prof. Gabriele Chiaro, Associate Professor from University of Canterbury, New Zealand; Dr. M V

Reddy, Senior Researcher, Institute of Research Hydro-Québec, Canada; Prof. Krishna R. Reddy from University of Illinois, Chicago, USA were other prominent key note speakers along with Mr. Mr. Vikas Malhotra, General Manager, Technical Services, J. K. Cements Ltd. India as Industrial Key note speaker shared their experiences and insights on various aspects of construction materials.

Even during this challenging scenario of COVID 19, ICCME received 276 full length papers. The efforts of all these authors still working during this difficult time will always be appreciated by the organizers of ICCME2021. Unfortunately,



due to narrow acceptance window, only 83 papers were accepted for the conference proceeding and presentation. All the accepted papers of ICCME will be published as book chapters under the reputed book volume entitled as 'Lecture notes in Civil Engineering' which is published by Springer Nature, Switzerland. The proceeding of ICCME is thus indexed in SCOPUS database and EI compendex database. The ICCME 2021 got an overwhelming response with 253 participants from different states of India and a few from United Kingdom, Uthopia and Afghanistan.



Workshop on

## WOMEN INNOVATIONS AND IPR

March 08 – 13, 2021

The IPR Cell of JUIT organised a one week workshop on “Women Innovations and IPR” in Jaypee University of Information Technology in collaboration with Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) from March 08 - 13, 2021.

Details of the events of workshop are:

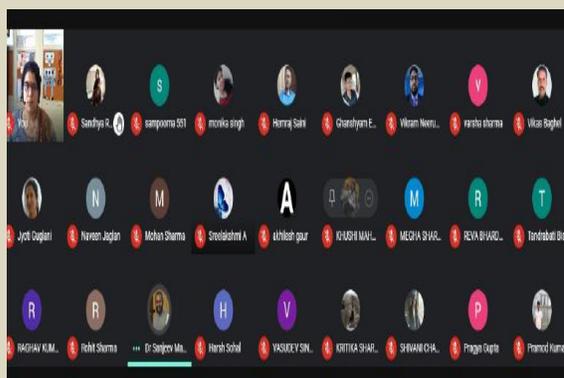
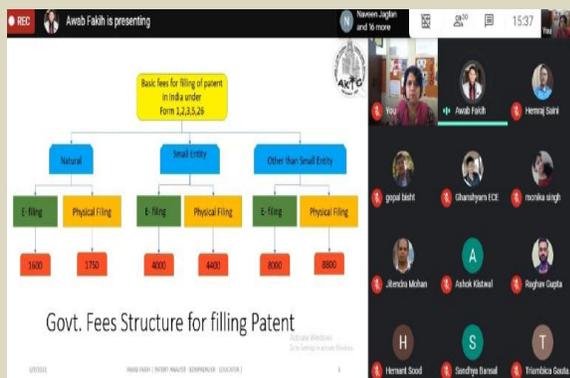
Date	Resource Person	Topic
March 08, 2021	Dr. Sanjiv Majumdar, Manager in StartUp Activities & Intellectual Property Division, National Research Development Corporation, Delhi	IPR Spectrum and opportunities for researchers, entrepreneurs
March 09, 2021	Mr. Awab Habib Fakh, Student Alliance LLP, Ministry of Commerce and Industry, Government of India, West Mumbai	Basic of IPR & Indian Patent Filing Procedure
March 10, 2021	Ms. Raj Latha Kotni, Lexport, Advocates & Legal Consultants	Women in IPR
March 12, 2021	Dr. Mini Namdeo, Executive Officer, IPR Cell IIT Roorkee	Innovation to IP Management

March 13, 2021	Dr. Ranjana Pathania, Professor, Department of Biotechnology & MHRD-IPR Chair Member, IIT Roorkee	Antibody Resistance- more than a Pandemic.
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The workshop received overwhelming responses not only from Himachal Pradesh but also from the states of Punjab, Tamil Nadu, Orissa, Gujarat, Maharashtra, Telangana, and Karnataka. The total no. of entries received for the workshop was 40. E-certificates have been



given to all active participants. The workshop was ended with the vote of thanks by IPR cell co-coordinator Dr. Shruti Jain.

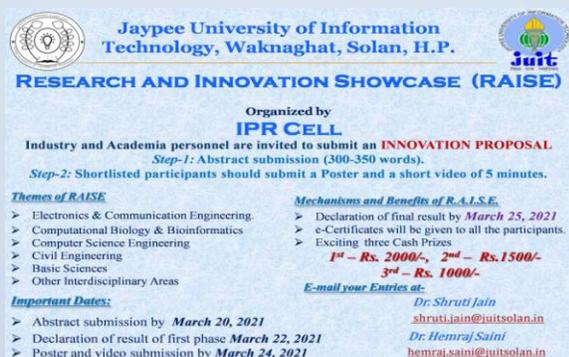


IPR Cell Event

## RESEARCH AND INNOVATION SHOWCASE (RAISE)

March 20-25, 2021

The IPR Cell, Jaypee University of Information Technology, Solan in collaboration with Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE) organised Research and Innovation Showcase



The poster for the Research and Innovation Showcase (RAISE) event is organized by the IPR Cell at Jaypee University of Information Technology, Wagnaghat, Solan, H.P. It invites industry and academia personnel to submit an innovation proposal. The event includes abstract submission, poster submission, and a short video. Themes include Electronics & Communication Engineering, Computational Biology & Bioinformatics, Computer Science Engineering, Civil Engineering, Basic Sciences, and Other Interdisciplinary Areas. Prizes are offered for the top three entries: 1st (Rs. 2000/-), 2nd (Rs. 1500/-), and 3rd (Rs. 1000/-). Contact information for Dr. Shruti Jain and Dr. Hemraj Saini is provided.

(RAISE) from March 20 - 25, 2021. The event aimed to bring together the industry and academia. The themes for R.A.I.S.E. included:

- Electronics & Communication Engineering.
- Computational Biology & Bioinformatics
- Computer Science Engineering

- Civil Engineering
- Basic Sciences
- Other Interdisciplinary Areas

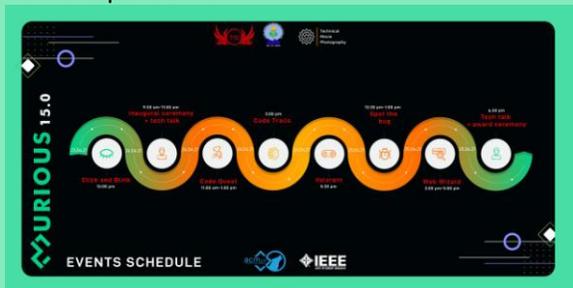
In total, 23 innovative entries were received from Tamil Nadu, West Bengal and Himachal Pradesh. All the innovations which were received were recommendable. The first round was based on Abstract Submission of app 300-350 words which defines the motivation and outcome of the work, was ended on March 20, 2021. The committee comprises Dr. Shruti Jain, Dr. Hemraj Saini and Dr. Hemant Sood has shortlisted 12 innovations for Round 2. Name of these entries were declared on March 22, 2021. In Round 2, the committee members have given a template for designing the poster and asked the participants to submit it by March 24, 2021. Based on the parameters like innovative idea, poster design and benefit to society committee members came up with final decision. The final result was declared on March 25, 2021 and as follows:

PARTICIPANT NAME	ENTRY TITLE	RESULT (PRIZE)
Anmol Sharma	Nomad Maps	First (Rs.2000/-)
Saurabh Tomar	Screw – In Foundation for street lights	Second (Rs.1500/-)
Ishita Satija	Lenfo	Second (Rs.1500/-)
Vaishnavi, T V	Smart Refrigerator using AI	Third (Rs.1000/-)
Raga Varshini, Sneha K, Sowmiya M, & Karthikeyan K	Automated Gas Stove	Third (Rs.1000/-)
Amrisha Vivinya PM	Smart Electric Pole System	Consolation (Certificate mentioning result)
Sunainy Ajrawat, Chhavi Thakur	In Silico exploration of medicinal compounds of Bauhinia Variegata	Consolation (Certificate mentioning result)

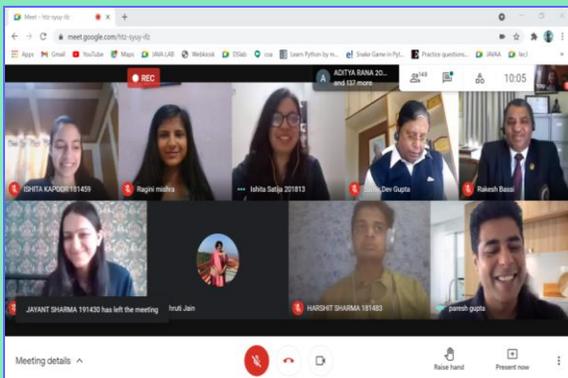
E-Certificates to all participants were given.

Annual Technical Fest  
**MURIOUS 15.0**  
April 24-25, 2021

The Jaypee Youth Club in collaboration with ACM JUIT and IEEE-JUIT SB organised the two-day long virtual technical fest, Murious 15.0 from 24th-25th April 2021. MURIOUS was a multi-layered fest for showcasing the reasoning and technical skills, event witnessed the participation from various colleges across India. The fest has a rich heritage and is being held since 2006. However, this year's Murious was beyond just being a technical fest as for the first time it was organised in online mode and provided students an escape from the pandemic.



The inaugural ceremony commenced with virtual lighting of the lamp by Honorable Vice Chancellor Prof (Dr.) Vinod Kumar. The Dean Academics Prof. Samir Dev Gupta and Registrar Major Gen. (Retd.) Rakesh Bassi graced the occasion with their words of wisdom. The university received more than 200 registrations for the virtual series of technical, photography, and gaming events like Spot the Bug, Code Trials, Click and Blink, Web Wizard, Tech talk by esteemed speakers. Dr. Amit Srivastava (JYC Faculty In-Charge), Dr. Shruti Jain



and Mr. Prateek Thakral (technical faculty coordinators) announced the winners and congratulated them. The event sponsored by the Easy Shiksha as Education partner, Coding Blocks, Coding Partner and Taskade as workspace partner, and Techradiance as career partner.

The tech talks organised by the JYC team aimed to motivate the students in the tough and monotonous times. The first speaker was Mr. Paresh Gupta, 6 times TEDx speaker, founder and CEO Global Centre for Entrepreneurship and Commerce. He has been the recipient of Rajasthan Youth Icon award not only this he is also the co-founder and investor on Neos Angels a startup consulting company. The second guest speaker was Mr Saurabh Jain, ex- vice president Paytm and founder of fun2do labs pvt ltd. They both inspired the audiences with their enlightening words. The closing ceremony marked representation from the student body including Ishita Kapoor, JYC President, and the technical coordinators Angima, Harshit, and Apoorv.



SYNAPSE Club  
**INCIPERE 2021**  
 March 27, 2021



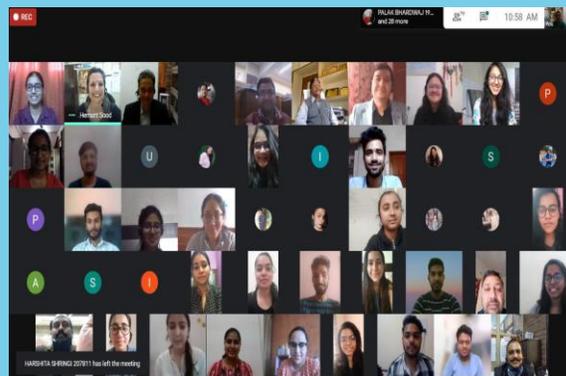
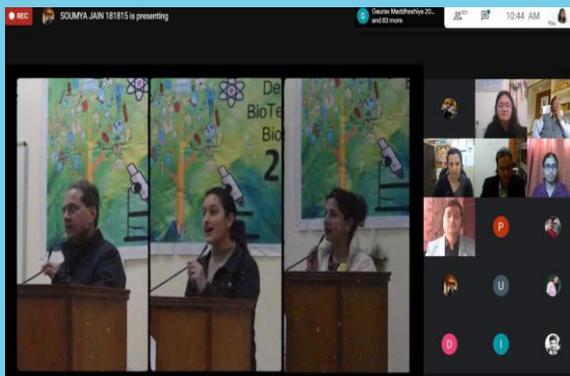
The SYNAPSE club of department of Biotechnology and Bioinformatics has changed its office bearers in the Incipere, an annual event of the Club. With its inception in 2004, the Team Synapse has always started its tenure with Incipere, the first annual event for the department, which marks the beginning of a new session with the welcoming of a new team and the farewell of the old one. Although, the year 2020 had been very different from all others, with the ongoing global pandemic of COVID-19, this yearly celebration had been delayed. But 2021 made sure to make up for the lost time, with Incipere-2021 being held on March 27, 2021. More than 100 participants attended the event on the Google Meet platform.

SYNAPSE (Student Coordinators 2021)	
<b>PRESIDENT</b>	Janki Insan
<b>GENERAL SECRETARY</b>	Simran Gohan
<b>TREASURER</b>	Dron Solanki
<b>COORDINATORS</b>	
<b>Events &amp; Technical</b>	Harshita Amritansh Rai
<b>Arts &amp; Literary</b>	Soumya Jain Sarita Vatwani Harshita Shringi
<b>Outreach, Career &amp; Alumni</b>	Rhea Singh Smriti Gaba Ajay Kumar

The event was marked by the presence of esteemed faculties of JUIT, including the Dean of Academics, Prof. (Dr.) Samir Dev Gupta, Head of Department of Biotechnology and Bioinformatics, Prof. (Dr.) Sudhir Kumar, and various other faculty members and faculty coordinators of Synapse, Dr. Hemant Sood and Dr. Tiratha Raj Singh.



The Bio-Quiz conducted, had everyone thinking on their feet with various science parody songs on various subjects as glycolysis and evolution and also some quite interesting yet funny illustrations and doodles of many biotechnological aspects the students have studied and are studying. A short video of the Team Synapse played next to sum up the activities conducted by the club and its role in the department.



## Club events

### TECHNICAL SCIENCES, MOVIES AND PHOTOGRAPHY CLUB

The Technical Sciences, Movies and Photography club organised a series of events for the students. The faculty coordinators Dr. Shruti Jain, Associate Professor, ECE and Mr.Prateek Thakral, Assistant Professor, CSE guided and motivated the students to arrange such events.

#### PHOTOGRAPHY WORKSHOP

March 25, 2021

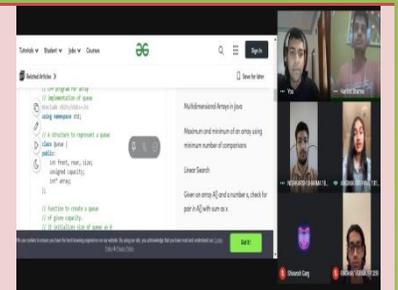
On 25<sup>th</sup> March '21, the Technical Sciences, Movies and Photography Club of JYC, JUIT conducted a workshop on the basics of photography and its skills. Members of the club from 2nd year took the responsibility for organizing the workshop with guidance from the coordinators as well. The workshop was a success as number of students from 1st year participated in the workshop and learned new things. An assignment was also given to the participants so that they can implement what they have learned in the workshop. 23 students participated in this workshop.



#### CODING SESSION ON DATA STRUCTURES

April 01, 2021

Data Structures is one of the subjects which fascinate many of us. So, to level up the students if first and second year we conducted a session on the same. The platform used was google meet. The session was based on the topic-'Queues'. To enhance the participants coding skills, later an assignment was also given. We wish to organize many more events which will encourage children to learn and achieve more. 21 students participated in this event.



#### PROBLEM SOLVING CONTEST ON HACKERRANK

April 04, 2021

'Practice makes a man perfect.' Following this motto we organised a contest based on generic problem solving. The code could be written in any language the participant was comfortable in. There was a time limit of 2 hours to solve 3 questions, out of which two had medium and the other had hard difficulty levels respectively. The contest not only helped children to practice coding, but also to manage time efficiently. 25 students participated in this event.

Rank	User	Score	Time	Country
1	anshu	1000.00	33:04	IN
2	20197shreyas	800.00	24:08	IN
3	harshad01	650.00	15:02	IN
4	ajaykumar	400.00	14:03	IN
5	20197prateek	400.00	45:01	IN
6	20197anshu	250.00	41:44	IN
7	ajaykumar01	200.00	14:03	IN
8	20197anish	150.00	13:02	IN

Club Event

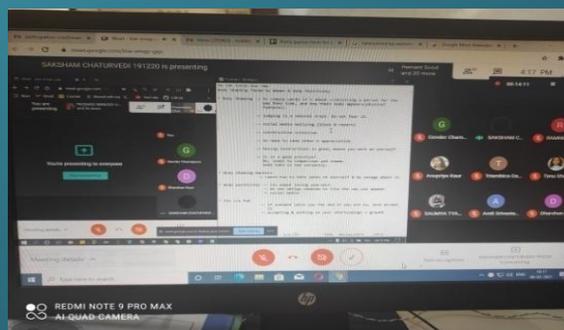
## INTERNATIONAL WOMEN'S DAY

March 08, 2021

The Gender Champion's Club of JUIT celebrated International Women's Day on 8<sup>th</sup> March 2021. The event was organised under the guidance of Dr. Anupriya Kaur (HOD-HSS) as nodal Officer. This virtual event was conducted for creating awareness for women's issues, as well as specifically calling out gender bias, and to seek out and celebrate this day. The topic of the event was "Issues faced by Women's-through cinema. Three students presented their views and one of the students recited a poem. Various women centric videos were shown and discussions among



participants and faculty members taken place on various associated subjects.



Club Event

## SCIENTIFIC ARTICLE WRITING COMPETITION

March 22, 2021

The SYNAPSE, student Bio Club of the Department of Biotechnology and Bioinformatics has organised article writing competition on topic "Skill development in Biotechnology and/or Bioinformatics" on the eve of National Science Day 2021 in Jaypee University of Information Technology, Solan Himachal Pradesh, India. More than 10 entries



were received from the departmental students, following have earned the positions on board. Committee has done the screening and analysis on the basis of plagiarism free content, word limit with authentic and comprehensive illustration of writing skills.

Name	Program	Position
Shanzi D'silvia	BTech, 2 <sup>nd</sup> Year	First
Amrita Mishra	BTech, 2 <sup>nd</sup> Year	Second
Ishita	BTech, 2 <sup>nd</sup> Year	Third

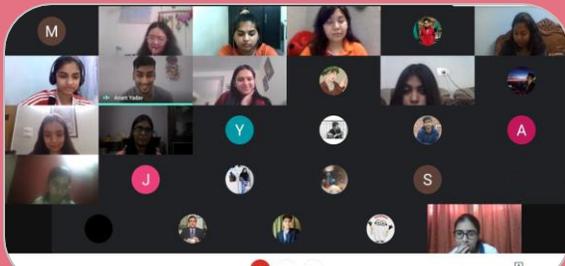
JYC Literary and Debating Club

## QAFILA - THE LITERARY, THEATRICAL AND MUSICAL EVENT

March 27, 2021

JYC organised the first ever virtual edition of Literary, theatrical and musical event that was commenced on 27th March 2021. The event saw a long line-up of students eager to put forward their thoughts, opinions and views. The event was a treasure of engrossing events like one take just a Minute and haiku face off. Not only did the celebration promote the languages, but it also pushed the participants to think out of the box and they did an in-depth research on the topics. It gave students a platform to showcase their skills, challenged them to prepare their character for the monologue event and gave everyone a new, virtual outlook

of how fun-filled fest vibe was retained at the comfort of their homes. The event was concluded with an evening that was filled with soulful melodies and beautiful songs by Karan Sharma and team. More than 100 students and faculty members joined. Specifically, for Acoustic Dusk, there was a lively engagement between the performers and viewers that helped the viewers stay glued to their screens. The Qafila was jointly organised by Literary and Debating club and Theater and Music club. It was coordinated by Dr. Rakesh Bajaj, Dr. Vikas Baghel, Dr. Ashok Nadda & Ms. Triambica Gautam.



Cultural and Dance Club

## ATHKHELIYAN

May 8, 2021

JYC virtually celebrated 'ATHKHELIYAN', which was an astounding feat for the holistic development of the personality of the students, gave students a break from their monotonous routine of academics. It was a treasure of engrossing activities like Feet OF Fire, Walk it off, and Slay off which were a part of the cultural extravaganza. More than 60 students showcased their dancing, walking, and dressing-up skills in their own innovative ways. 8th May 2021 was marked as the closing ceremony of Athkheliyan with the benign presence of Registrar of JUIT Major (Gen.) Rakesh Bassi. Cultural Faculty In-Charge Dr. Ruchi Verma and

Student coordinators Astha and Hiteshwar announced and congratulated the winners. More than 150 participants connected virtually for the closing ceremony to celebrate fashion, music, and dance.



## WE CARE

April 6-7, 2021

Jaypee Youth Club of Jaypee University of Information Technology (JUIT), Waknaghat in collaboration with 'The Omega Leo Club' successfully conducted 'WE CARE', which was an initiative to unite people through common goals of community awareness. The event commenced on 6-7th April 2021, the well-being of Mother Nature and having a sense of responsibility towards the surroundings was kept in mind.

The two-day-long event was a treasure of engrossing events like Green Hands and Save the Saviors. The participants got the opportunity to plant a small sapling in or around

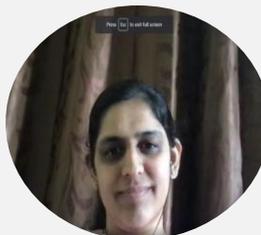
their homes to showcase their concern for the environment. Students also created magnificent paintings under the theme 'Impact of COVID on Environment' and made Green Hands, a creative painting competition a grand success. More than 50 students joined the event virtually to commemorate benevolent Mother Earth. The event rekindled emotive concerns and instigated the youngsters to save love, and respect Mother Nature with all their heart and soul. The faculty coordinators of the event were Dr. Naveen Jaglan and Dr. Saurav and Diwaker Srivastava and Kajal Singal were the students' coordinators.



Club event

## BIONERA – ALUMNI INTERACTION & QUIZ

May 15, 2021



The Synapse Club of Department of Biotechnology and Bioinformatics, JUIT organised an alumni interaction with Dr. Garima Suneja. She is an alumna from batch 2008-2012 BTech in Biotechnology.

Prof. Sudhir Syal,

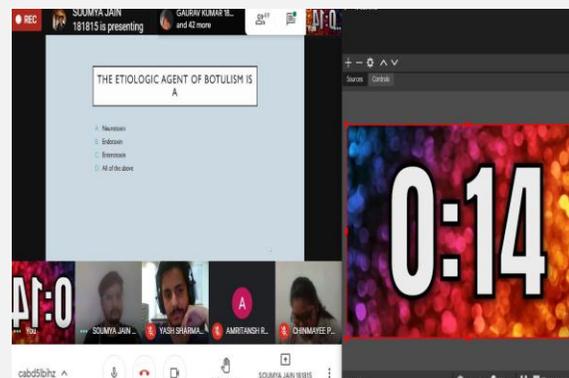
HOD of BT-BI, Dr. Hemant Sood and Dr. Tirtha Raj Singh welcomed the Guest with their warm words. In the interaction, Dr. Suneja described that she liked the environment of JUIT and since she obsessed with the reading, library was the best place for her. She shared three mantras of success with students, 1. Prepare for the entrance exams to get the institute of your choice. 2. Find your interest, which field actually grabs your attention or which area you want to explore more, and 3. Prepare for the interview and learn about the guide's profile and choose your PhD guide accordingly.

The session was beneficial for all the participants and helped them to understand

different topics like PhD, jobs aspects, importance of masters. Dr. Suneja also answered various queries raised by the participants.



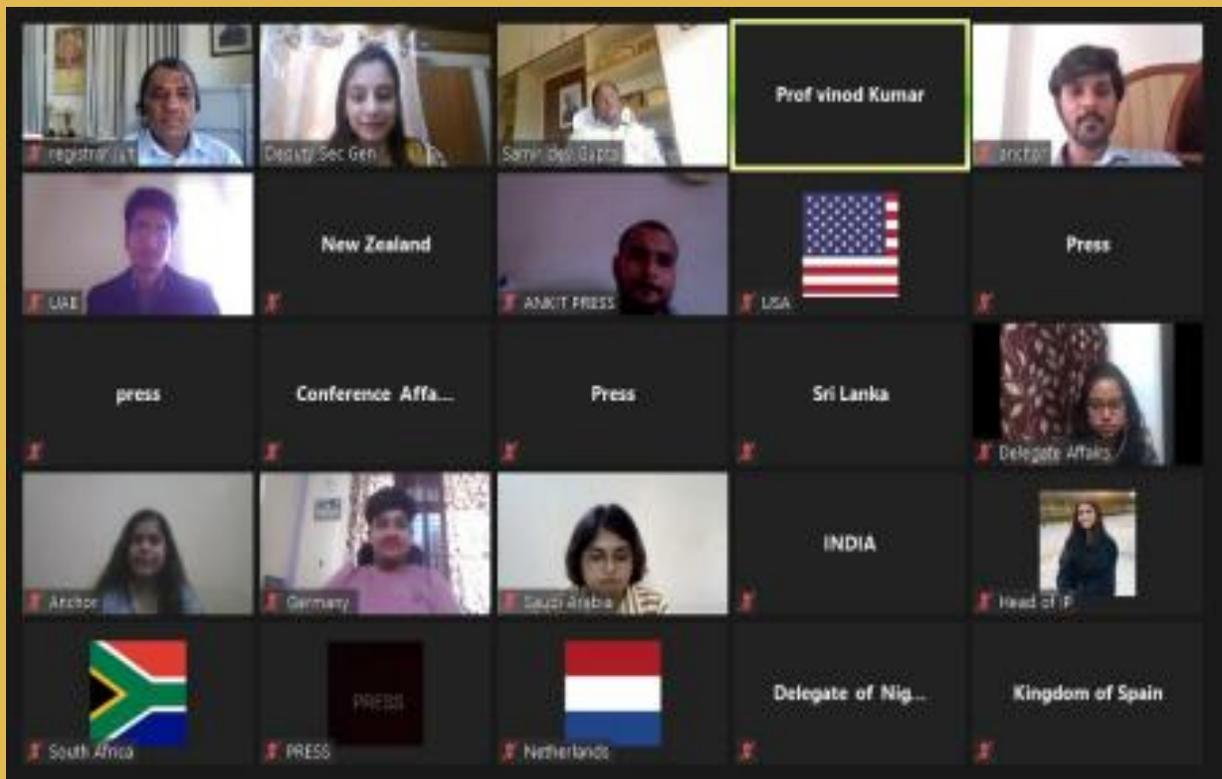
After the interaction, a Biology Quiz was also organised for the students. Six teams participated in the quiz. After different rounds, AspYR team (Ashish Guleria, Yash Sharma, Divyansh Bhadiar) with 99 points was declared winner of the quiz and Second position with 94 points secured by the team Alpha Clones. All participants were awarded with the participation certificate and winners were felicitated with mementos. Dr. Garima Suneja stayed connected and reminisced her JUIT days.



JYC Literary and Debating Club  
**MODEL UNITED NATIONS (MUN)**  
May 22-23, 2021

This year, JYC virtually inaugurated 'JUIT-MUN', a two-day long simulation of the United Nations, where students become delegates of various countries and debate on "real" world issues and tried to resolve them. 22nd May 2021 was marked as the inaugural ceremony of the 8th edition of JUIT-MUN with the benign presence of Honorable Vice-Chancellor Prof (Dr.) Vinod Kumar, the dean of Academics Prof (Dr.) Samir Dev Gupta and Registrar of JUIT Major (Gen.) Rakesh Bassi. With great zeal and enthusiasm, the Secretary General Mr. Soham Ahuja declared the conference open. This

conference celebrated a gathering of literary enthusiasts and groups from various universities and colleges across India. It helped the students to develop leadership skills, research, writing, public speaking, and problem-solving. This event is a culmination of intellect, public speaking and world issues. Students discuss major socio-political issues faced by the world today and in the end, come up with solutions to fix these issues. It is one the most highly regarded forms of debating with a panel of executives who are rating your every action during the debates and proceedings.

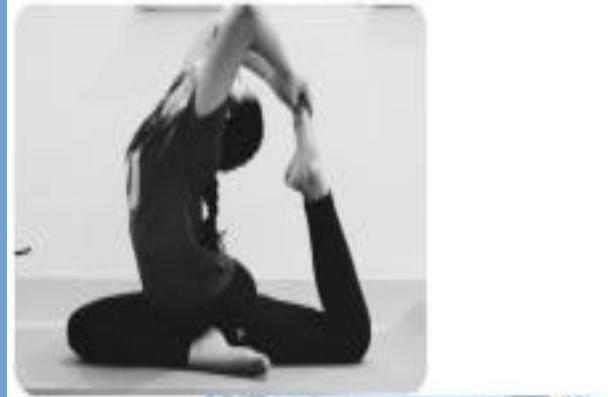


Sports Club

## INTERNATIONAL YOGA DAY

June 21, 2021

Yoga embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between human and nature; a holistic approach to health and well-being. The numerous benefits of Yoga make it a popular practice for people across the globe, especially in times of a pandemic when mental and physical health is under stress. The International Yoga Day was celebrated on 21st June by the students of Jaypee University of Information Technology in virtual mode to usher in peace, harmony, happiness, and success to every soul in the world. Students shared their experiences and showcased their favorite asanas by sending photographs from their homes. Jaypee Youth Club encouraged the students to develop the habit of yoga that will help students achieve a better life, physically, mentally, and spiritually as well. The club faculty coordinators Mr. Munish Sood and Dr. Rishi Rana along with Student coordinators Parth Bali, Sanya Kanwar and Vidit Jindal coordinated this event.



Webinar

## AZADI KA AMRUT MAHOTSAV: A VIRTUAL EVENT

(CELEBRATION OF INDIA'S 75 YEARS OF INDEPENDENCE)

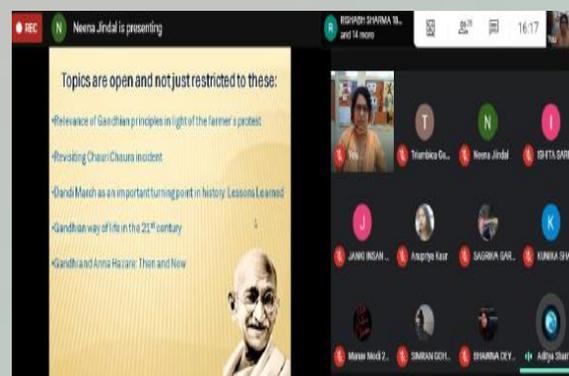
March 15, 2021

Department of HSS, JUIT, Solan organised a webinar on the 75 years of independence of The Dandi March on 15 March 2021 at 4pm. Students from all years and branches of the BTech program actively participated and put forth their opinions and observations, making apt comparisons and taking real life examples. The following topics were open for discussion:

1. Relevance of Gandhian principles in light of the farmer's protest
2. Revisiting Chauri Chaura incident
3. Dandi March as an important turning point in history: Lessons Learnt
4. Gandhian way of life in the 21st century
5. Gandhi and Anna Hazare: Then and Now

Ms. Triambica Gautam and Dr. Papiya Lahiri organised the event. All faculty members of HSS department and some faculty members from other departments along with many students were in the audience. Dr. Papiya introduced the event with a few thought provoking ideas. Dr. Anupriya Kaur as the HOD offered her opening remarks on the significance of Gandhian way of life and the event ended successfully with Ms. Triambica giving a well rounded conclusion. The student participants very creatively put forth their views, choosing poetic, declamatory, power presentation and interactive styles of presentation. The student participants:

S No.	Name	Enrollment No.	Participated in	Topic
1	Aditya Sharma	201551	Poetry Recitation	Patriotic poetry
2	Sagrika Gargya	191002	PPT Presentations	Revisiting Chauri Chaura incident
3	Ankit Kumar Singh	201197	Poetry Recitation	Revisiting Chauri Chaura incident
Open discussion on the Chauri Chaura Incident				
4	Siddharth Kuthiala	201144	Open Mic	Gandhian way of life in the 21st century
5	Siddharth Misra	201179	Open Mic	Gandhian way of life in the 21st century
6	Anirudh Sharma	201020	Speech	Gandhian way of life in the 21st century
7	Khushi Chhabra	201269	Open Mic	Relevance of Gandhi in modern India
8	Kunika Sharma	191227	Public Speaking	Gandhian way of life in the 21st century
9	Parul Sharma	191206	Open Mic	Gandhian way of life in the 21st century
10	Janki Insan	181824	Open Mic	Gandhian way of life in the 21st century



Webinar on

## **IPR AWARENESS AND THEME OF THE YEAR – CRITICAL ROLE OF SMALL AND MEDIUM SIZED ENTERPRISES**

April 26, 2021

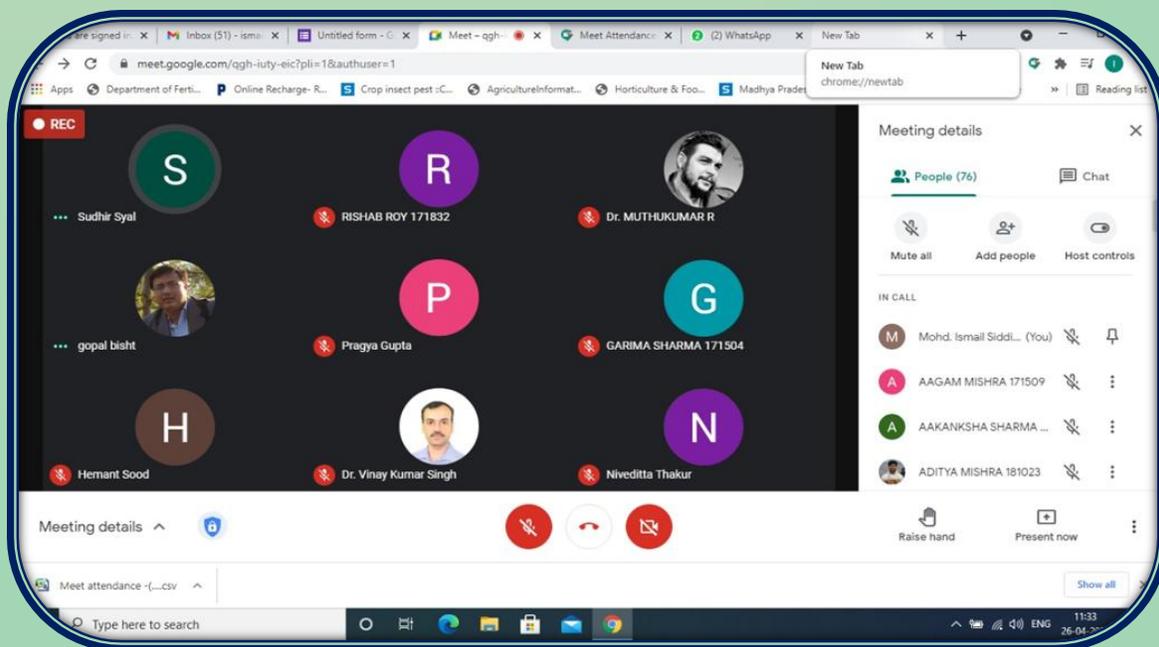
The IPR cell of JUIT celebrated World IPR day on April 26, 2021. A webinar was conducted by Prof. Sudhir Kumar, Head, Department of Biotechnology and Bioinformatics and Coordinator, IPR cell on “IP awareness and theme of the year – Critical role of small and medium sized enterprises”. The event was started at 11:00AM. About 95 faculties, researchers, staff, and students of various universities/ institutes attended the event. Prof. Kumar explained the

- Need of protection of IP assets
- Understanding the benefits of IP
- Procedures of identifying, protecting and managing IP
- Auditing the IP assets and carrying out IP valuation
- Decision on IPs for entering to foreign markets

He explained the concept of patents, copyrights, trademarks, industrial designs, and

geographical indications through significant questions associated with these IPs. He further highlighted the need to decipher inventiveness in research projects, art work, and designs. The technology transfer to industry as exclusive rights to a process, technology in public domain, joint patents, and commercialization of patent aspects were also discussed. Students were motivated to initiate the dialogue with the IP experts, mentors, and faculty to file IPs.

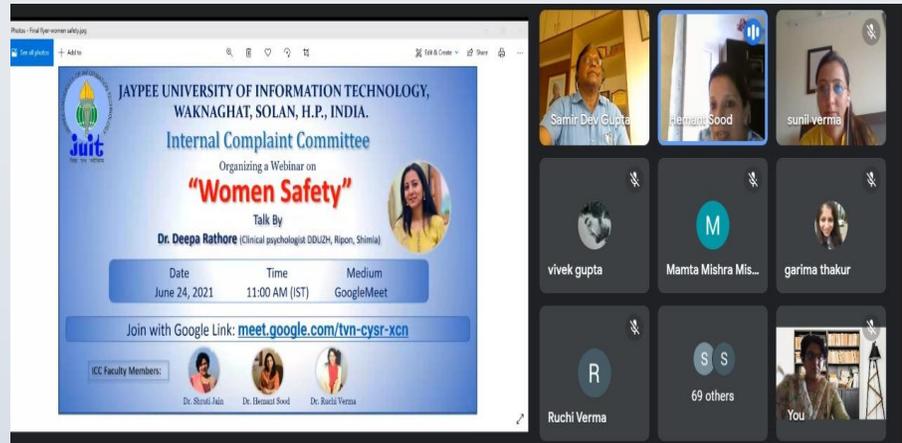
Mr. Ismail Siddiqui – Lab. Engineer of BT and BI department helped in modulating the online session including participants’ questions and technical aspects. The IP Cell of JUIT assured the participants to answer their queries, if any, in future and assured them to provide all possible assistance in filing their IPs. The IP Team of JUIT (Dr. Sudhir, Dr. Shruti, Dr. Hemraj) owe their thanks to HIMCOSTE, Shimla for providing support.



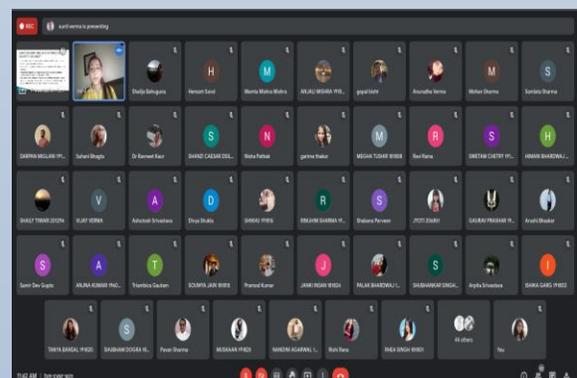
Webinar on  
**WOMEN SAFETY**  
 June 24, 2021

The Internal Complaints Committee faculty coordinators Dr Shruti Jain, Dr Hemant Sood and Dr Ruchi Verma of JUIT Wagnaghat along with team has organised a webinar on the topic 'Women Safety' on 24th June 2021 .The webinar was graced with the presence of Prof. Samir Dev Gupta, Dean of Academic, JUIT, faculties and by 95 participants including faculty, research scholars, and students from different universities across India. The speaker of the session was Dr. Deepa Rathore (Clinical Psychologist DDUZH, Ripon, Shimla).

Dr.Deepa Rathore who has been working as a clinical psychologist in DDUZH, Shimla since October 2013 is an alumnus of St. Luke, Solan, holds a Post Graduate Diploma in Clinical Psychology and a Doctorate in Psychology from HPU. She also has a one-year of counseling experience as a school psychologist in KVS Chandigarh.



She initiated the discourse by emphasizing how physical and emotional abuse of women has been a major human rights issue for several years amongst all socio-economic groups. She highlighted that with the outbreak of Covid-19 there have been unprecedented obstacles for women such that an increase of 21% in domestic violence was reported. While discussing about the problems relating to working women she encouraged the audience to contribute towards women empowerment for the welfare of the community. Dr. Deepa also stated her faith on the next generation who will resist the inequalities we observe every day and internalize these ideals in our work.



Webinar on

## PREPARATION STRATEGY TO CLEAR IAS EXAM IN FIRST ATTEMPT

May 01, 2021



Center of Excellence – Industry 5.0, at Jaypee University of Information Technology, Wanknaghat successfully conducted a Webinar on a topic - “Preparation strategy to clear IAS exam in first Attempt”. The webinar enabled the attendees to get a very detailed and insightful vision into the exam’s pattern, preparation and perspective of the exam thus bestowing a concrete direction for the willing aspirants to prepare accordingly to succeed in the exam. For an aspirant drenched in sweat of hard work and anxiousness, the best form of motivation one could get is - a chance to interact with a person who successfully cracked the exam. The speaker, Ms. Ritika Jindal, IAS, H.P Cadre, delivered a needed insightful speech, which cleared out most of the heartfelt doubts of the aspirants, henceforth providing a sense of direction as to how the preparation should be proceeded with. She was also joined by Mr.



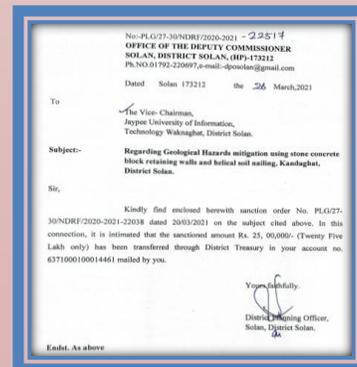
MK Yadav, Ex. IB and Vigilance Officer who introduced the pattern and method of preparation for the examination encapsulated in a one year long IAS preparation course. Nearly 100 students attended this

webinar. In conclusion the Webinar was a success, providing a concrete direction for the interested students and a question worth pondering that whether a desirable post is just an interest or a passion for one?

## Research Projects awarded to JUIT

March 20, 2021

A project entitled, ‘Geological Hazards mitigation using stone concrete block retaining walls and helical soil nailing’ has been awarded to Civil Engineering Department of JUIT by the District Disaster Management Authority (DDMA) Solan, HP. A sanctioned amount of Rs.25 lakhs has been transferred to JUIT. Dr. Tanmay Gupta, Dr. Saurabh Rawat and Dr. Ashok Kumar Gupta will handle the project.



**NATIONAL SKILL DEVELOPMENT  
CORPORATION (NSDC)  
GOVT. OF INDIA**

Prof. Sudhir Kumar, Dr. Rahul Shrivastava and Dr. Gopal Singh Bisht completed their three week training sessions followed by multiple examinations held by NSDC, Govt. of India and these three faculty members of JUIT are now Certified Trainers of Skill India Program, Govt. of India.

**DBT SKILL VIGYAN PROGRAMME**

The department of Biotechnology and Bioinformatics successfully launched and completed the training of the first batch of sponsored candidates under DBT Skill Vigyan Program. This is one of the first of its kind in JUIT funded by DBT in collaboration with HIMCOSTE. The candidates from all over India completed their training in Quality Control Biologists and Lab. Technician Traits with the help of faculty and staff of the department.

Prof. Sudhir Kumar is the coordinator of the program and Dr. Rahul Shrivastava, and Dr. Gopal Singh Bisht are co - coordinators.

**FACULTY IN SPOTLIGHT**

**Faculty members as resource persons**

Dr. Tiratha Raj Singh, Associate Professor (BT/BI) delivered an invited talk in the Faculty Development Program on March 9th, 2021 on the topic "Bioinformatics Applications in Various Domains of Biotechnology" organised by UIET, Kurukshetra University, Kurukshetra, India.

Prof. Sudhir Kumar, HOD, Biotechnology and Bioinformatics department of JUIT was a resource person for RKMV, Shimla and his webinar was on Career Opportunities for Science Graduates (11 June, 2021).

Prof. Sudhir Kumar, HOD, Biotechnology and Bioinformatics department of JUIT was a resource person In AICTE sponsored Short Term Training Program on 'Environment Protection and management' of Beant Singh Engineering College, Gurdaspur, Punjab (16 June, 2021). His talk was on E waste Challenges and Management.

Dr. Shruti Jain, Associate Professor, ECE attended one week Faculty Development Program on Advanced Excel with Data Visualization from 17th May 2021 to 22nd May 2021, organised by E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY& IIT Kanpur).

Dr. Shruti Jain, Associate Professor, ECE was the Conference General Chair and Session chair in International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2021), University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, April 28-29, 2021 (Springer).

Dr. Shruti Jain, Associate Professor, ECE was the Conference General Chair and Session chair in Mobile Radio Communications and 5G Networks, Springer, Singapore, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, June 23-24, 2021.

Dr. Shruti Jain, Associate Professor, ECE delivered lecture on "Recent advancements and Research Challenges in Biomedical field" on June 24, 2021 in AICTE Sponsored One Week National Level Online Faculty Development Program on "Research Areas In Bio-Medical Signal Processing" , Department of Electronics & Communication Engineering, Sri Vasavi Engineering College, Tadepalligudem, West Godavari, 21st -26th June 2021.

Dr. Shruti Jain, Associate Professor, ECE appointed as Execom member of Biomedical Engineering Society of India (BMESI) : Dr Shruti Jain, Member# L1095 for 2021-23 session.

## PROMOTIONS OF FACULTY MEMBERS

	<p><b>Prof. Ashok K Gupta</b> Prof &amp; Head, Civil Engineering Promoted to <b>Dean (Academics &amp; Research)</b> on 1<sup>st</sup> June 2021</p>		<p><b>Prof. Ashish kumar</b> Professor, Civil Engineering Promoted to <b>Head of Civil Engineering Dept.</b> on 1<sup>st</sup> June 2021</p>
	<p><b>Dr. Jitendraa Vashistt</b> Asstt. Professor (SG), BT-BI Promoted to <b>Associate Professor</b> on 1<sup>st</sup> March 2021</p>		<p><b>Dr. Garlapati Vijay Kumar</b> Asstt. Professor (SG), BT-BI Promoted to <b>Associate Professor</b> on 1<sup>st</sup> March 2021</p>
	<p><b>Dr. Ragini Raj Singh</b> Asstt. Professor (SG), PMS Promoted to <b>Associate Professor</b> on 1<sup>st</sup> March 2021</p>		<p><b>Dr. Tanu Sharma</b> Asstt. Professor (SG), HSS Promoted to <b>Associate Professor</b> on 1<sup>st</sup> March 2021</p>
	<p><b>Dr. Ashok Kumar</b> Asstt. Professor (G-II), BT-BI Promoted to <b>Assistant Professor (SG)</b> on 1<sup>st</sup> March 2021</p>		<p><b>Dr. Tanmay Gupta</b> Asstt. Professor (G-II), CE Promoted to <b>Assistant Professor (SG)</b> on 1<sup>st</sup> March 2021</p>
	<p><b>Dr. Aman Sharma</b> Asstt. Professor (G-II), CSE Promoted to <b>Assistant Professor (SG)</b> on 1<sup>st</sup> March 2021</p>		<p><b>Dr. Monika Bharti</b> Asstt. Professor (G-II), CSE Promoted to <b>Assistant Professor (SG)</b> on 1<sup>st</sup> March 2021</p>
	<p><b>Dr. Alok Kumar</b> Asstt. Professor (G-II), ECE Promoted to <b>Assistant Professor (SG)</b> on 1<sup>st</sup> March 2021</p>		<p><b>Dr. Saurabh Srivastava</b> Asstt. Professor (G-II), Math Promoted to <b>Assistant Professor (SG)</b> on 1<sup>st</sup> March 2021</p>
	<p><b>Dr. Abhishek Chaudhary</b> Asstt. Professor (G-I), BT-BI Promoted to <b>Assistant Professor (G-II)</b> on 1<sup>st</sup> March 2021</p>		<p><b>Mr. Surjeet Singh</b> Asstt. Professor (G-I), CSE/IT Promoted to <b>Assistant Professor (G-II)</b> on 1<sup>st</sup> March 2021</p>
	<p><b>Dr. Mandeep Singh</b> Asstt. Professor (G-I), Math Promoted to <b>Assistant Professor (G-II)</b> on 1<sup>st</sup> March 2021</p>		

## PHD AWARDED



Ankur Choudhary (176605) of Civil Engineering Department completed his PhD on **BIOGAS PRODUCTION FOR SUSTAINABLE ENERGY GENERATION IN RURAL HIMACHAL PRADESH USING ONE STAGE PORTABLE DIGESTER** under the supervision of Dr. Ashish Kumar on March 9, 2021.



Sandeep Singh (166801) of HSS department completed his PhD on **'EMPIRICAL STUDY OF EMOTIONAL INTELLIGENCE AND IT'S RELATIONSHIP WITH CULTURAL INTELLIGENCE, ADVERSITY QUOTIENT AND OCCUPATIONAL STRESS OF INDIAN SERVICE SECTOR MANAGERS'** under the supervision of Dr. Tanu Sharma on March 19, 2021.



Dinesh Kumar (176009) of ECE department has completed his PhD on **'PROACTIVE CONNECTION RECOVERY STRATEGIES FOR SURVIVABLE ELASTIC OPTICAL NETWORKS'** under the supervision of Dr. Rajiv Kumar and Dr. Neeru Sharma on April 27, 2021.



Kanchan Kumari (176901) of PMS department completed her PhD on **'EFFECT OF MAGNETIC FIELD ON THE GROWTH OF CoFe<sub>2</sub>O<sub>4</sub> AND NiFe<sub>2</sub>O<sub>4</sub> FILMS'** under the supervision of Dr. Rajesh Kumar and Dr. P B Barman on May 3, 2021.



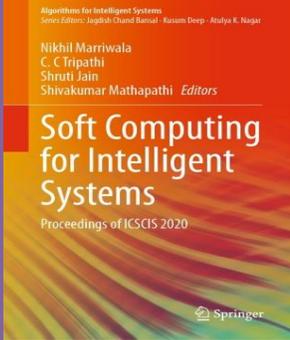
Aditya Kumar Tiwari (166610) of Civil Engineering department completed his PhD on **'POST-FIRE EXPOSURE BEHAVIOR OF CONCRETE FILLED STEEL TUBE COLUMN UNDER AXIAL LOADING'** under the supervision of Dr. Ashok Kumar Gupta on May 28, 2021.



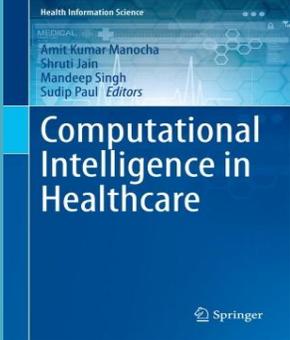
Ankit Thakur (166606) of Civil Engineering department completed his PhD on **'GROUND IMPROVEMENT USING ENCASED STONE COLUMNS'** under the supervision of Dr. Ashok Kumar Gupta and Dr. Saurabh Rawat on June 23, 2021.

# INTELLECTUAL PROPERTY

## BOOKS WRITTEN

	<h3>Soft Computing for Intelligent Systems</h3> <p>Proceedings of ICSCIS 2020</p> <p>Editors</p> <ul style="list-style-type: none"><li>• Nikhil Marriwala</li><li>• C. C Tripathi</li><li>• <b>Shruti Jain</b></li><li>• Shivakumar Mathapathi</li></ul> <p>Publisher: Springer, Singapore DOI: <a href="https://doi.org/10.1007/978-981-16-1048-6">https://doi.org/10.1007/978-981-16-1048-6</a> Hardcover ISBN: 978-981-16-1047-9 Number of Pages - XV, 653</p>	
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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 encompasses all branches of artificial intelligence, computational sciences and machine learning which is based on computation at some level such as AI-based Internet of things, sensor networks, robotics, intelligent diabetic retinopathy, intelligent cancer genes analysis using computer vision, evolutionary algorithms, fuzzy systems, medical automatic identification intelligence system and applications in agriculture, health care, smart grid and instrumentation systems.

	<h3>Computational Intelligence in Healthcare</h3> <p>Editors</p> <ul style="list-style-type: none"><li>• Amit Kumar Manocha</li><li>• <b>Shruti Jain</b></li><li>• Mandeep Singh</li><li>• Sudip Paul</li></ul> <p>Publisher: Springer, Cham DOI: <a href="https://doi.org/10.1007/978-3-030-68723-6">https://doi.org/10.1007/978-3-030-68723-6</a> Hardcover ISBN: 978-3-030-68722-9 Number of Pages - XIV, 412</p>	
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To explore recent advances and disseminate state-of-the-art techniques related to intelligent healthcare services and applications. This edited book involved in designing systems that will permit the societal acceptance of ambient intelligence including signal processing, imaging, computing, instrumentation, artificial intelligence, internet of health things, data analytics, disease detection, telemedicine, and their applications. As the book includes recent trends in research issues and applications, the contents will be beneficial to Professors, researchers, and engineers.

## RESEARCH PAPERS IN JOURNALS

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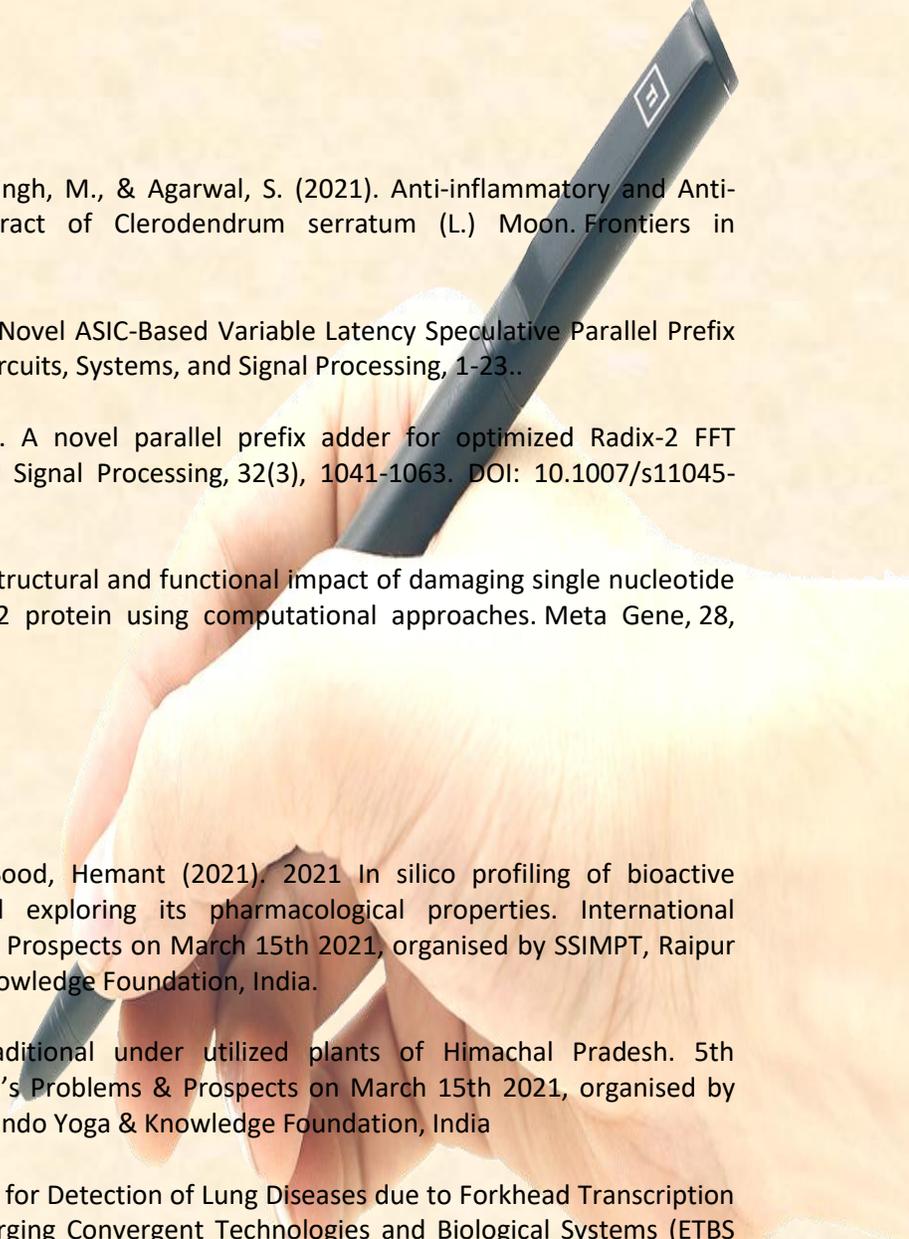
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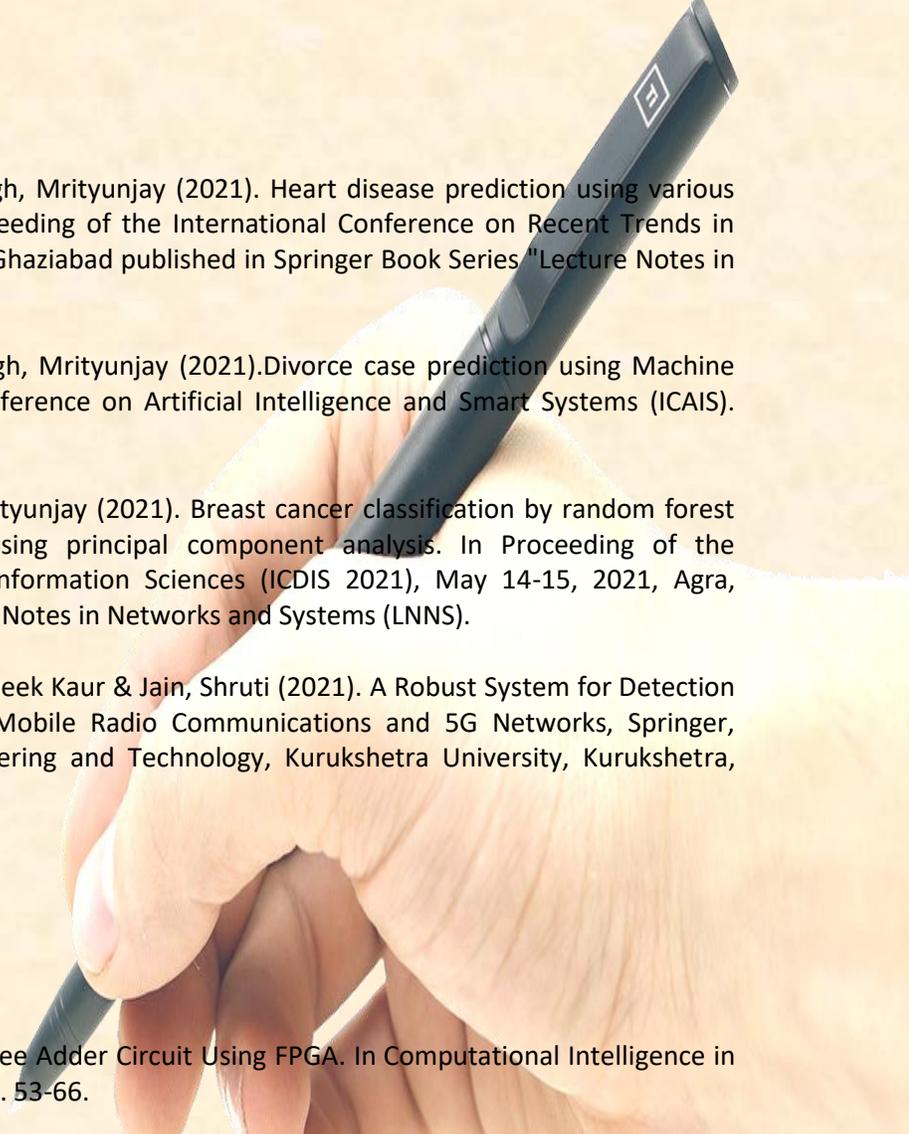
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Jain, Shruti (2021). A Computational Model for Detection of Lung Diseases due to Forkhead Transcription Factor", International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2021), University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, April 28-29, 2021 (Springer)

Kashyap, Manasvi & Jain, Shruti (2021). Importance of Pulse Examination and its Diagnostic System, The 4th International Conference on Recent Innovations in Computing (ICRIC-2021), May 08-09, 2021, Central University of Jammu, J & K.

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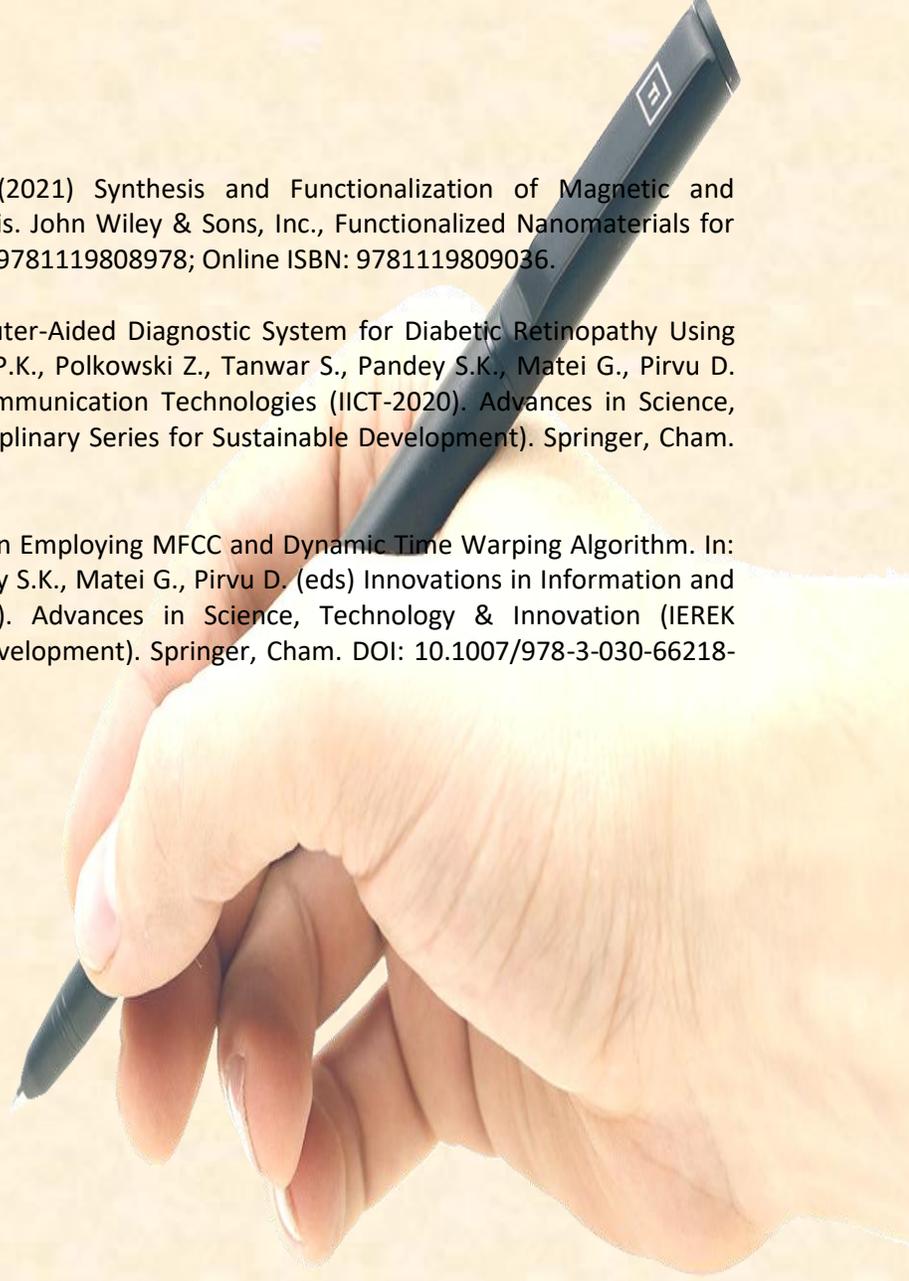
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# HILLY RAMBLINGS

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