

Vol. 7, Issue-1
July-December, 2021



Anunaad

Institute Newsletter



Jaypee Institute of Information Technology, Noida
(Deemed to be university under section 3 of UGC Act 1956)
A NAAC accredited and NIRF(MHRD) ranked deemed-to-be-university

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From the Desk of.....

The landscape of Higher Education is very vibrant with fast-evolving technological advancements, diversity in demand for employable skill development and challenges of generating an industry-ready workforce. JIIT is always a quality-conscious organization and has constantly strived to maintain academic excellence while constantly broadening its research and innovation skills.

The recent past that was overshadowed by the pandemic has thrown previously unknown and unconquered challenges to the world impacting each and every sector of growth and development. The Higher Education sector was no exception where the challenges faced were numerous. The present generation of students has grown with technology and the internet. They have experienced how technology makes their lives easier and more convenient. Naturally, the initial sentiment amongst several educational enterprises was that the 'online' system of education would not be a tough task and can be a comfortable sail through. However, students from varied socio-demographic backgrounds and with very different mindsets towards their approach to the online process of teaching & learning, and most importantly the practical complexities associated with online examination and evaluation platforms brought to fore the real-time issues.

Nevertheless, the grit and commitment of the management, the arduous and dedicated efforts of faculty, the cooperation by students and all stakeholders made the end result very impressive. JIIT has emerged with commendable academic and research output incorporating a hybrid mode of the teaching-learning process.

This edition of the Newsletter brings to you the academic, research and innovation aspects of JIIT. The vast array of webinars, invited lectures and interactive sessions reported in this edition, mirror the active engagement of both faculty and students across all disciplines of engineering and management in the pursuit of knowledge. The Newsletter also presents carefully designed and wonderfully executed out-of-curriculum activities that are integral to the all-rounded development of JIIT students. Pages showing the awards won by Jitians reflect the enthusiasm and competitive spirit of the fraternity.

On behalf of the Editorial team, I appreciate your continued support and encouragement to us in bringing out this volume of the institute Newsletter-Anunaad.

Prof S Krishna Sundari

Editor-in-Chief

Vice-Chancellor: Prof. Yog Raj Sood

Prof. Yog Raj Sood has joined the office as Vice-Chancellor with effect from 14 June 2021. Prof. Sood has an outstanding administrative, academic, and research experience of about 35 years.

Prof. Sood graduated with B.E. (Honors) in Electrical Engineering and Masters in Electrical Power Systems from Punjab Engineering College Chandigarh. He obtained his Doctoral degree in Electrical Engineering from I.I.T. Roorkee. He has served at prestigious institutions of Academic excellence namely: TIET, Patiala, N.I.T Kurukshetra (Haryana), NIT Hamirpur (H.P.), and NIT Pondicherry. During these years, he has served in various capacities as Director, Chairman Board of Governors (BOG), Chairman Finance Committee, Chairman of Senate, Dean (Research & Consultancy), Dean (Planning & Development), Dean (Faculty Welfare), Dean (Industrial Research & Consultancy), Head of Electrical Engineering Department, Professor In-charge of TIFAC-CORE, Chief Vigilance Officer and so on at NIT Hamirpur. He has also held positions reflecting his experience at other institutions as Chairman Building Works Committee (NIT Pondicherry); Member of Senate (NIT Calicut, Kerala). He has also served as an expert member in Interview Boards across the nation and been a part of accreditation teams (NBA, UGC) as a member and also as Chairman.

Prof. Sood's commitment to research is evident from mega research projects worth Rs. 530 Lakhs and three MHRD projects completed, Patents published (3), guided research theses (10), research papers published (370), and keynotes/expert lectures delivered (90). He has developed a completely functional High Voltage Engineering Lab, from its very start and set up new experiments in various labs which proves his hands-on approach to research and development. In his career of academics and research spanning over 35 years, many awards and honors have come his way. Best Educationist Award, Ministry of Energy-Department of Power Prize, by the Institution of Engineers (India), are to name some. IETE Gowri Memorial Award by the governing council of the Institution of Electronics Telecommunication Engineers is amongst the recently won awards (2021).

Vice-Chancellor Speaks.....

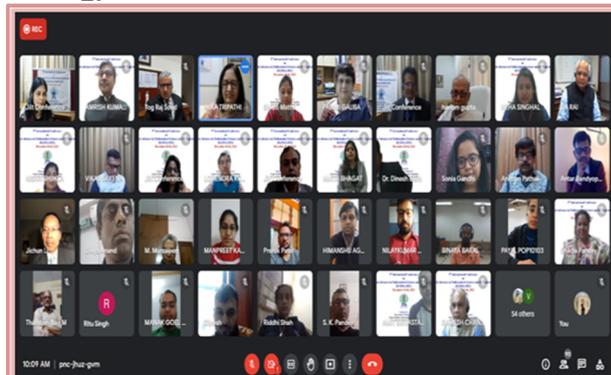
The ever-emerging technologies, industry demands, and changes in the perception and technology-savvy nature of the present generation were instrumental in bringing up a tremendous change in the nature of pedagogy. Modern technologies have entered the classroom. The teaching-Learning process as we knew it a few decades before has gradually moved from a teacher-centric approach (where students were passive learners) to a more learner-centric approach. The current approach emphasizes on participatory learning where students are actively engaged in classroom discussions and are encouraged to learn by doing (project-based learning). JIIT readily imbibes the advanced methods of teaching and learning. As the Vice-Chancellor, Prof.Sood pictures JIIT as a front runner, excelling in offering world-class education, so that students of JIIT stand to the competition in any part of the world and successfully achieve their career goals.

Prof. Sood recognizes the importance of having a competent workforce be it the faculty or the administration. He highly appreciates the exemplary credentials of the teaching faculty at JIIT. The Vice-Chancellor strongly believes in the provision of high-quality infrastructure that supports the overall growth and development of students. He identifies the significance of maintaining an up-to-date and fully functional IT-driven higher education campus, offering a competitive curriculum with a strong placement record that goes a long way in realizing the career aspirations of students and all stakeholders.

The Vice-Chancellor expresses his commitment that as a premier higher education institute JIIT would make its mark by securing further commendable position by all ranking agencies and grow as a top choice institution for Engineering, Science & Management education. The Vice-Chancellor motivates all faculty and students to strive for achieving a remarkable place in the sphere of higher education both in terms of knowledge creation, knowledge dissemination and Research Innovation.

5th International Conference on Recent Advances in Mathematical Sciences and its Applications (RAMSA-2021)

December 02-04, 2021



The objective of the 5th edition of this conference was to provide a platform for the exchange of ideas regarding the research findings and new advances in the wide areas of mathematics, sciences, and engineering and to discuss the practical challenges encountered in the different domains of applications and the solutions adopted thereto. Further, it provided an opportunity to enhance collaboration among researchers not only from the various parts of the country but also from abroad. The scientific program consisted of the keynote, plenary, invited lectures and parallel contributed presentation sessions. Keynote Speakers of the program are:

1. Prof. Jichun Li, University of Nevada Las Vegas, USA
2. Prof. Kalyan Chakraborty, Kerala School of Mathematics, Kerala, India
3. Prof. M. Thamban Nair, Indian Institute of Technology Madras, Chennai, India
4. Prof. Antar Bandyopadhyay, Indian Statistical Institute, Delhi, India
5. Prof. Mohammad Sajid, Qassim University, Saudi Arabia
6. Prof. C. S. Lalitha, Delhi University, Delhi, India
7. Prof. Kapil Kumar Sharma, South Asian University, Delhi, India
8. Prof. Janusz Matkowski, University of Zielona Góra, Institute of Mathematics, Poland
9. Prof. Maithili Sharan, Indian Institute of Technology, Delhi, India
10. Prof. Riddhi Shah, Jawaharlal Nehru University Delhi, India
11. Prof. R. C. Mittal, JIIT Noida, India
12. Dr. Prasanna R. Mishra, Scientific Analysis Group (SAG), DRDO, Delhi, India
13. Prof. Mohd. Mursaleen, Aligarh Muslim University, Aligarh, India

International Conference on Signal Processing and Communication (ICSC-2021)

November 25-27, 2021

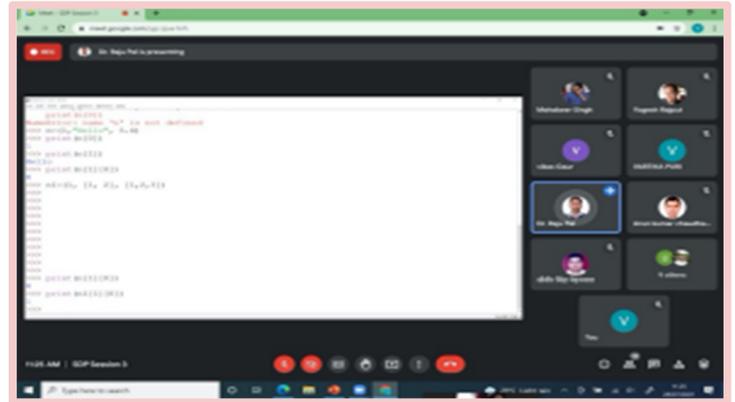
The Seventh Edition of the conference was technically sponsored by IEEE UP Section which received 168 paper submissions from various countries such as USA, Italy, Iran, Iraq, and Malaysia were received from eminent institutions such as NTU Singapore, BITS, NSIT, NIT's, IIIT's, DTU, AMU, Symbiosis, PEC, Shiv Nadar University, Bennett University, MMMU, and so on. With the support of around 200 TPC members and after rigorous peer review, 77 papers have been accepted for presentation in ICSC 2021 and are presented in different technical sessions through online mode. Each of the papers is at least reviewed by two of the reviewers and reviewed by 4 TPC members at most. There was a total of eighteen technical sessions covering different and all possible aspects of Wireless Communication Systems, Signal Processing for System Analysis, VLSI Technology and Embedded Systems, Machine Learning in Signal Processing, Internet of Things in Communication, Machine Learning in Communication, Image Processing, etc. Apart from these 3 special sessions were conducted on Women in Engineering, Special Interest Group on Humanitarian Technology (SIGHT), and Young Professionals. Moreover 8 Keynote speakers were invited to deliver their talk on the relevant topics in order to cope with the objectives of the conference. These keynote speakers were eminent professors in different reputed universities in USA, IIT's including the director of the IEEE Region 10 (Asia Pacific Region) and the chairman of the IEEE U.P. section.



Staff Development Program On Technical and Communication Skill Development

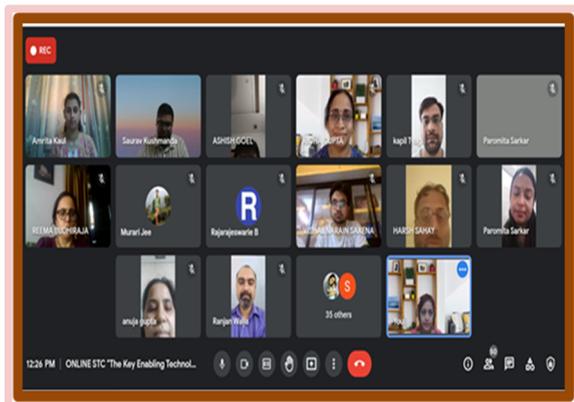
July 26-30 , 2021

This staff development program focuses on the skill enhancement of the laboratory staff in Technical and Communication Skill Development. The in-house faculty of JIIT conducted the various sessions.



The Key Enabling Technologies for 5G Communications and Beyond

August 02-14, 2021



Theme:

1. Design of 5G Testbed
2. Research Trends in Optical Communication
3. Security in 5G Networks
4. Internet of Things
5. Optimization Methods
6. MIMO Wireless Communication
7. Antenna Design
8. RF and Microwave Circuits
9. Wireless Sensor Networks
10. Cognitive Radio in 5G

Executive Development Program on Emerging Marketing Technologies

July 23 - August 07, 2021

The theme of this EDP was Emerging Marketing Technologies and was designed for small and medium business owners who want to know more about major marketing trends and want to explore new markets. The program aims to make participants from MSMEs understand Domestic and Global Marketing and help business owners to focus their marketing efforts in the right direction. The major emphasis was given to areas like emerging trends in marketing and marketing technologies. The EDP was conducted online through Google Meet / lecture and interactive sessions. 6 sessions were held for 72 participants out of which 52 were either founders or co-founders of MSME or start-ups. Dr. Ram Singh conducted the session on day 1 on “Emerging Trends in International Markets.” He specializes both in training & research, in areas such as: Export-Import Procedure, Trade Policy & Trade Logistics. Day 2 session was taken by Mr. Waris S Imam on “Competency Development in Marketing and Sales.” He has to his credit, over 24 years of International & Domestic experience in manufacturing, trading, health care, and academic sectors.

Dr. Shriram Purankar leads the talks on day 3 on “Entering Foreign/Global Markets.” Day 4 session on “Business to Business Research” was taken by Dr. Garima Srivastav. Day 5, the session on “Marketing Technologies and Emerging Trends” was held by Dr. Archana Shrivastava. Dr. Charu Sijoria held the last session on “Digital Marketing and Analytics.”

The screenshot shows a Google Meet interface. The main window displays a presentation slide with the following text:

EMERGING TRENDS IN INTERNATIONAL MARKETS: AN MSME PERSPECTIVE

Dr. Ram Singh
 Professor & Head (Trainings/MDPs)
 International Trade Operations & Logistics
 Indian Institute of Foreign Trade
 New Delhi
 Email: ramsingh@iift.edu

The right side of the screen shows a grid of participants, including Dr. Ram Singh, Charu Sijoria, Renu Luthara, Deepika Gopal, Archana Shrivastava, Nishant Kumar, Gajesh Anand, and Priyanka Tandon. The bottom of the screen shows the time as 4:29 AM and the user ID as erq-wynh-oed.

Data Analysis using Statistical Tools

September 13-18, 2021

The theme of this Faculty Development Program was Data Analysis using Statistical Tools. This program aimed to impart knowledge and understanding among researchers and academicians about various data analysis techniques and hands-on experience with different statistical software. Day 1 session on “Introduction to Research and Data Analysis using statistical software” by Dr. Priyanka Tandon involved understanding data analysis methods using SPSS, Eviews, and STATA. On day 2, the session on “Regression Analysis: Modeling & Estimation was on modeling and estimation of regression” and its various assumptions was conducted by Dr. Sakshi Singhal. “Exploratory Factor Analysis” session on day 3 was delivered by Dr. Rameshwar Dubey from Liverpool John Moores University, Liverpool where the participants imbibed the fundamental theory behind using factor analysis. The difference between exploratory factor analysis and confirmatory factor analysis was also explained using SPSS and Ms. Excel. Day 4 session on “Business Forecasting using case studies” was delivered by Prof. Dubey. He highlighted the importance of business forecasting using case methods. In the day 5 session, “Introduction to time-series data”, Prof. Chandan Sharma shed light on introduction to time-series data and its various underlying assumptions such as stationarity. The co-integration analysis was also discussed by the resource person. The last day session on “Time-series analysis in business decisions” was delivered by Prof. Ajit Kumar. He explained various time-series methods using software SPSS and Eviews. He had a very interactive session with hands-on-practical sessions with the participants. The FDP was smashing success with over 160 participants.

REC SHAKSHI SINGHAL is presenting

Assumptions of Regression

L.I.N.E 29

- ▶ **Linearity:**
 - ▶ The relationship between X and Y is linear.
- ▶ **Independence of Errors:**
 - ▶ Error values are statistically independent.
 - ▶ Particularly important when data are collected over a period of time.
- ▶ **Normality of Error:**
 - ▶ Error values are normally distributed for any given value of X.
- ▶ **Equal Variance (also called homoscedasticity):**
 - ▶ The probability distribution of the errors has constant variance.

3:01 PM | FDP on Data Analysis using Statistical To...

Deep Learning for Natural Language Processing

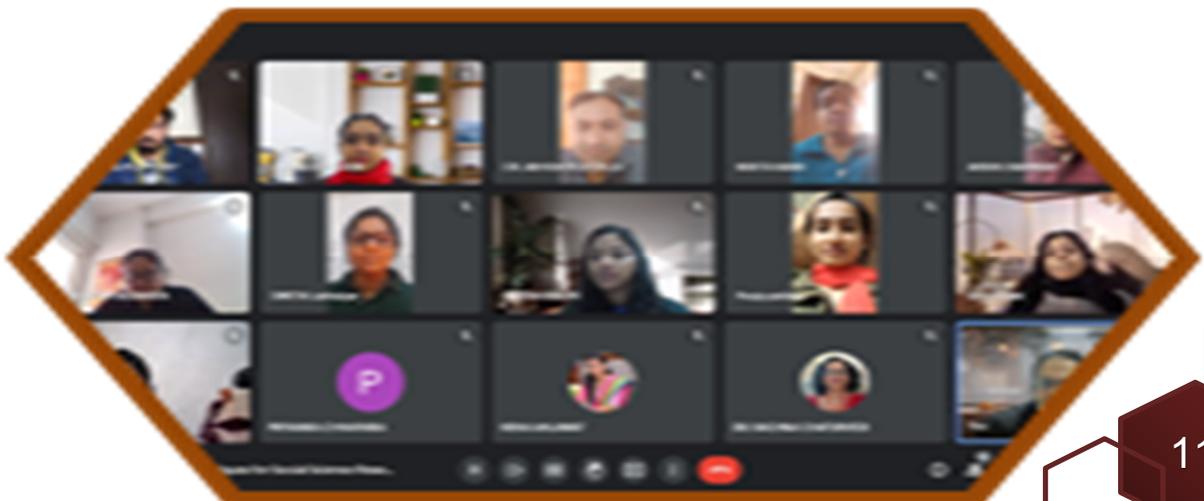
June 28 - July 03, 2021

The field of Natural Language Processing (NLP) is one of the most important application areas of Artificial Intelligence. NLP is undergoing rapid evolution as new methods and toolsets converge with an ever-expanding availability of data. The FDP comprised both theoretical and hands-on sessions to provide the participants with a comprehension on the state-of-the-art natural language processing methods so that participants can impart teaching of the NLP concepts, can develop NLP-based products, and can pursue research in the field of the NLP. The objectives of this FDP were: expose participants to the latest trends and developments in the domain of Natural Language Processing., give participants knowledge of the deep learning approaches in the NLP tasks and to provide exposure to effective approaches in order to solve a range of practical NLP applications.



Analytical Techniques for Social Science Research

January 12-18, 2021



Recent Trends of Artificial Intelligence in Electronic Devices and Systems

July 19-24, 2021

The theme of this FDP was to introduce, innovate and explore the recent trends of Artificial Intelligence (AI) in electronic devices and system design methodologies to the faculty members and researchers. According to research conducted by IBM, 41% of the electronic industry will be changing its design model in the upcoming 2 years due to the immense capability of AI to be explored and utilized for AI-enabled electronic devices. AI is actually paving the way for the future of Electronic Devices and Systems. The goal was to develop technical skills in faculty members and research scholars, motivating them to put AI work in electronics.



Machine learning for Internet of Things (IoT), Natural Language Processing & Computer Vision

August 16-21, 2021

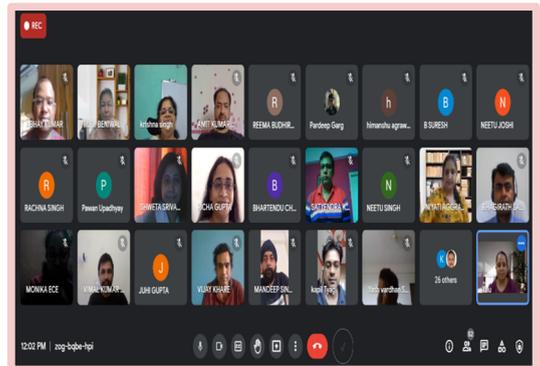


As we are moving ahead in the era of digitalization, machine learning is in an urgent need to gather and analyze data. It equips the systems to evolve their intelligence and improve over time. They can perceive and respond to the world around them. They have the ability to learn from experience and adapt according to the environment while considering the current data captured from various sources available online. It has various applications in various domains such as the Internet of Things (IoT), Natural Language Processing, Computer Vision, and many more. The overall objective of the FDP was to assort the research findings on the latest achievements, and challenges in the field of Machine Learning.

Recent Trends of Artificial Intelligence in Electronics Devices and Systems

July 19-24, 2021

Eleven online sessions for lectures were conducted covering applications of AI in major areas of electronics and communication engineering.



Recent Techniques for the Solutions of Nonlinear Differential Equations”

August 23-28, 2021

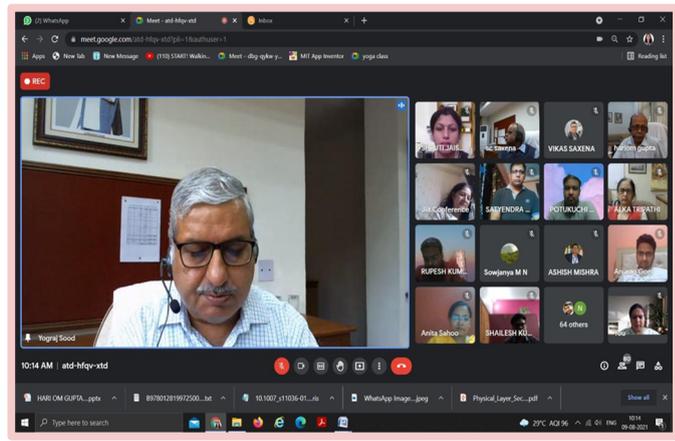
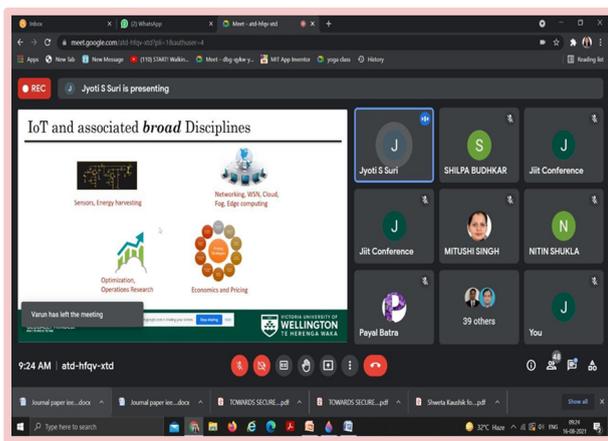


The nonlinear differential equations arise when the real-world problems are modeled and hence play an important role in engineering applications. Solving techniques of nonlinear differential equations usually confuses the learners as the theory behind the techniques is, in general, not taught due to the dependency on mathematical analysis. The purpose of the program was to educate in mathematical and computational analysis of theoretical and applied nonlinear differential equations. Several simple models were derived in terms of nonlinear differential equations which govern the physical problems. Hands-on experience was provided.

Industry 4.0: Security and Technological Aspects, Technically Sponsored by IEEE UP Section (India)

August 09-21, 2021

The Fourth Industrial Revolution (or Industry 4.0) was the application of modern smart technology for the automation of traditional industrial practices. New technologies are integrated for increased automation, improved communication and self-monitoring, and the production of smart machines that can analyze and diagnose issues without the need for human intervention. Also, information security plays an important role in today's world of technological changes, whether it is system security, network security, security of the application, or device security. Due to the requirements for sophisticated tools to keep the system secure and sound, there is a big need in India and the globe for professionals who are well educated about the various aspects of information security required for the implementation of industry 4.0. Due to the requirements for new technology and tools to make systems smart and independent, there is a big need in India and the globe for professionals who are well educated in the various technological and security aspects of Industry 4.0. The summer school, explored how emerging paradigms influence industry automation. To support the objectives, organizers identified several technologies driving these paradigms and invited experts from industry and academia to discuss the current status and future directions.

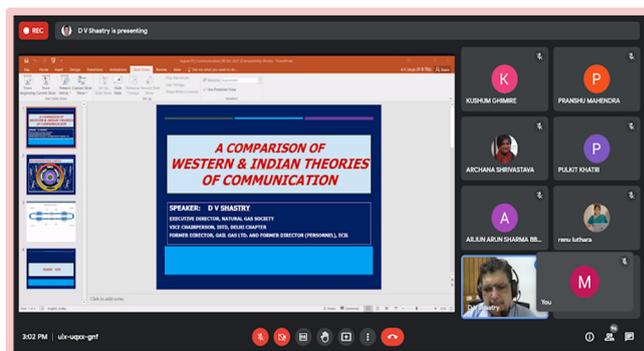


Business Communication workshop - "The People Principle: Effective Communication for everyone"

October 07-09, 2021

Speakers:

- Prof Neerja Pandey, Professor, IIM Lucknow
- Mr. DV Shastry, Executive Director, Natural Gas Society
- Mr. Ritesh Batra, Trainer and Consultant.



Virtual Workshop and Hands-on Training On "Bioinformatics Approach For Data Analysis And Research"

August 12-14, 2021



Virtual Workshop and the hands-on training were held for 3 days which was based on "Bioinformatics approaches for data analysis and research". The workshop was organized under leadership of Prof. Pammi Gauba and organizing secretaries: Prof. Rachana and Dr. Shazia Haider. Proficient resource people were invited to the workshop namely: Dr. Mohammad Askander Iqbal, Dr. Arun Kumar Krishnan, Dr. Kalaiarasan Ponnusamy, Prof. Samudrala Gourinath and Dr. Md. Zubair Malik.

“Agents of Change” under UP Government Mission Shakti Phase III

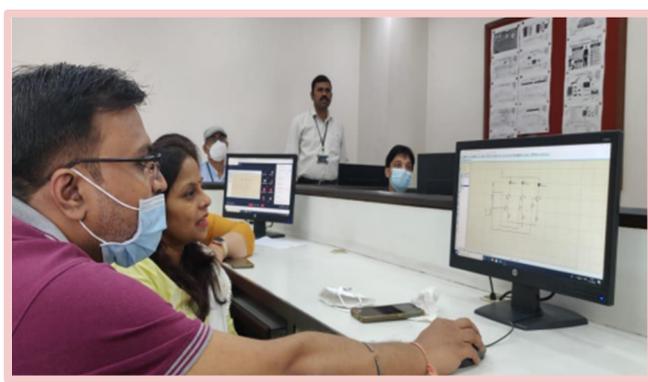
September 2021 - December 2021

In compliance with UP Government Mission Shakti Phase III, the JIIT 128 team nominated “Agents of Change” organized Webinars and Empowerment drives. The webinars were related to different women’s issues like Gender Inequality, Gender-Based Violence, etc. The Empowerment Drive was mainly focused on rural women and JIIT workers. Its main objective was to make them aware of the importance of Menstrual and Overall Hygiene.



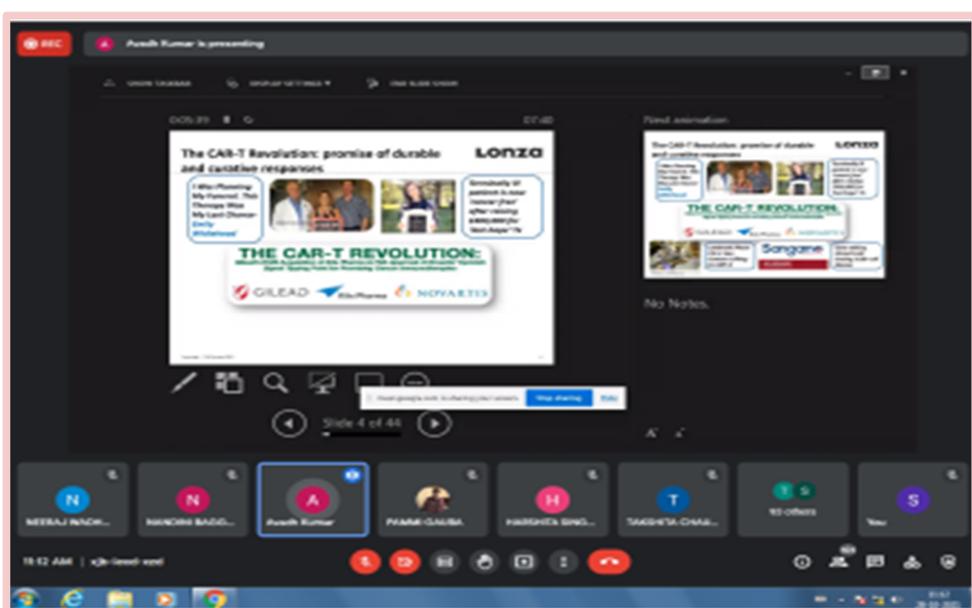
Hybrid Workshop on "CAD Tools for VLSI and Smart Systems"

October 7-14, 2021



Academia Interaction: Cell and Gene Therapy

October 28, 2021



The Success Saga of MSME & Start-ups: The Growth Engine of the Indian Economy

18 October 21 – 22 October 21

The sessions were aimed at inducing motivation and enthusiasm in a young professional who is hungry to learn and succeed. The sessions helped entrepreneurs enhance their knowledge about reducing the risk and increasing the success of their venture, and develop a want to explore new domestic and international markets. Various sources of funding were discussed. Information about various government schemes and privileges available to start-ups were given by the experts in the industry. There were 249 participants out of which 6 were either founders or co-founders of MSME or start-ups. Participants from the MSMEs actively participated in discussions. The Day 1 session on “Secrets of Funding” was taken by Dr. Nayan Bheda. The topic for Day 2 session was “Privileges and Benefits for MSMEs” conducted by Shri Niranjana Kumar Jain. Mr. Amit Parikh headed the session on day 3 on the topic “Opportunity in Agri and Food Processing Sectors. Scope of Innovation in Agri & Food Processing Sectors.” The last session was held on day 4 on the topic “Gateway to global opportunities” by speaker Dr. Kamal Chhabra. The valedictory session was held on the last day with the Closing remark by Vice Provost Prof. Renu Luthra and Mr. Sachin Goel (President MSME and start-up Forum-Up).

Keynote Speakers:

- i. Dr. Nayan Bheda, Member, National board of advisor MSME and Start up Forum Bharat
 - ii. Shri Niranjana Kumar Jain, Chairman-National Advisory Board at MSME & Startups Forum, Ahmedabad – Bharat
 - iii. Mr. Amit Parikh, Advisor Agri Food Tech Cell
 - iv. Mr. Kamal Chhabra, Head North America Chapter
 - v. Ms. Preeti Srivastav, National Vice President Public relations and training
- Coordinator(s)/Convenor(s):** Dr. Archana Shrivastava and Dr. Garima Srivastav



Hands-on session on Guava Muse Cell Analyzer

September 30 - October 01, 2021

Virtual Workshop and hands-on training was held for 2 days which was based on “Hands-on session on Guava Muse Cell Analyzer”. The workshop was organized by Prof. Vibha Rani. Proficient resource person Dr. Debian Kundu was invited for this workshop.



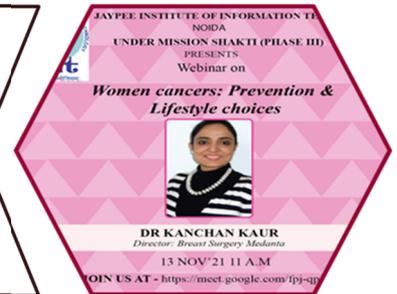
Training on Ansys Tools and Anechoic Chamber for Design, Characterization and Testing of Microwave Devices

February 24-25, 2021

Two days workshop on “Training on Ansys Tools and Anechoic Chamber for Design, Characterization and Testing of Microwave Devices” was organized in the Department of Electronics and Communication Engineering, JIIT, Noida. The workshop was conducted in online and offline mode which received keen participation of faculty members and research scholars working in the area. The objective of the workshop was to develop simulation and experimental skills in faculty members and research scholars who are working in the area of RF and Microwave Engineering. Moreover, the workshop encouraged researchers to explore different microwave devices such as microwave filters, couplers, absorbers, etc. The workshop was also there to create awareness in faculty members and research scholars about recent facilities developed in the department of Electronics and Communication Engineering and their applications to achieve their research objectives. The workshop consists of 4 sessions on . different aspects related to simulation and experimental knowledge of microwave devices. This workshop was conducted with the collaboration of Entuple Technologies Pvt. Ltd. And Applied Concept Group. Three speakers from the industries have shared their ideas and expertise on the facility developed in the department. One speaker from the parental department had also delivered one hands-on session on the Design and Characterization of Microwave Absorbers.

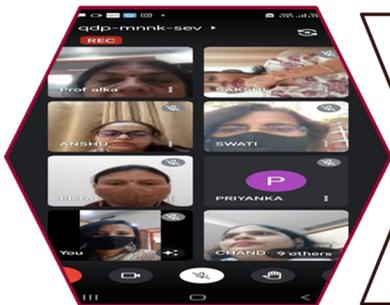
Talk/Webinar

Title: Women Cancers: Prevention & Lifestyle Choices
Date: November 13, 2021
Speaker: Dr. Kanchan Kaur Director, Breast Surgery, Medanta Hospital, She is a gold medalist in medicine.



Title: Conduct Rules for Teachers and Staff
Date: November 22, 2021
Speaker: Prof. Alka Sharma Professor of Sociology and Dean of Humanities and Social Sciences

Title: Counselling Session on Mental Health
Date: October 29, 2021
Speaker: Ms. Syona Sachdeva



Title: Integrity Pledge
Date: October 26, 2021
Speaker: Prof. Alka Sharma Professor of Sociology and Dean of Humanities and Social Sciences

Title: Role of a Counsellor in grooming young minds
Date: October 30, 2021
Speaker: Jyotsna Mittal

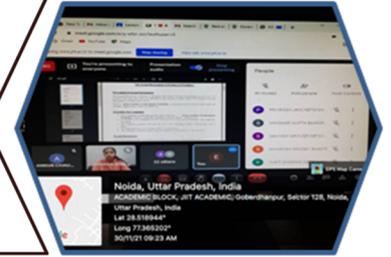


Talk/Webinar

Title: Talk on Creating awareness about Gender Sensitization, Internal Complaint Committee and Undertaking the oath on Balika Suraksha

Date: November 30, 2021

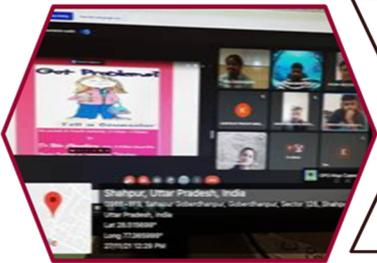
Speaker: Dr. Ekta Srivastava



Title: Counseling Session

Date: November 27, 2021

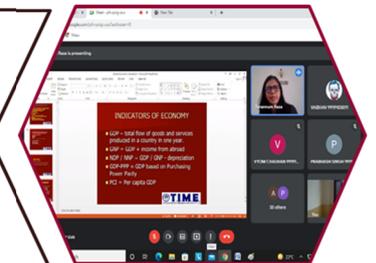
Speaker: Dr. Nilu Choudhary, the counselor under Mission Shakti Phase III



Title: Webinar on Global economic slowdown

Date: November 30, 2021

Speaker: Tarannum Naseem Raza



Title: Talk on “Dastak” a street play on Gender Sensitization by Sukhmanch Theatre

Date: November 27, 2021

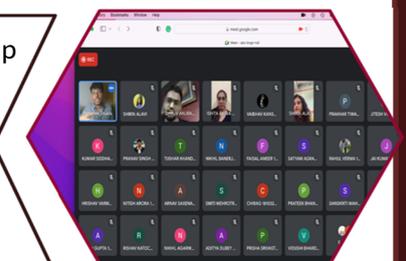
Speakers: Dr. Nilu Choudhary, Dr. Ekta Srivastava



Title: Changing the Future Of Supply Chain with Customer Relationship Management- A Post Pandemic Thought

Date: November 24, 2021

Speaker: Mr. Abhishek Shukla, Associate Developer at SAP Labs in Bangalore



Talk/Webinar

Title: Introduction to QSAR in Flare
Date: September 7, 2021
Speaker: Anand Balupuri, Application Scientist, Cresset



Title: Academic industrial interaction
Date: October 01, 2021
Speaker: Ms. Jyoti Saini with her team Ms. Geetika Bhalla and Ms. Srishti Mittal (Mckinsey and company)



Title: ABHIVAADAN 2021 (Alumni Meet for 2020 batch of BTech & MTech)

Date: December 04, 2021



Title: Meet our alumni series
Date: August 11, 2021
Speaker: Mr. Abhishek Tyagi, the pro-bono consultant and volunteer



Title: Improving research practices and publications in association with Web of Science

Date: July 21, 2021

Speaker: Saurabh Srivastava, Sr. Account Manager, North Clarivate



Title: Moving Mesh Methods for Burger's and Navier-Stokes Equations

Date: October 19, 2021

Speaker: Dr. Yogesh Gupta





WHITE EYE CATCHING
ITS PREY

RUSSET SPARROW



Photo credits: Dr. B.R. Mehta , Director RID, JIIT, Noida



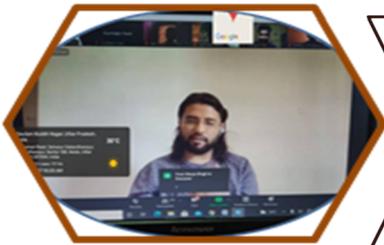
BAYAWEAVER



PAINTED STORKS

Photo credits: Dr. B.R. Mehta , Director RID, JIIT, Noida

Talk/Webinar



Title: Webinar on Pandemic uncertainty and Dynamics of Happiness
Date: September 27, 2021,
Speaker: Mr. Vishesh Deep Life and Corporate Coach, TEDx Speaker

Title: How to do well in a Personal Interview
Date: 24 September 2021
Speaker: Neel Anil Panicker, Author and Blogger, T.I.M.E. Delhi



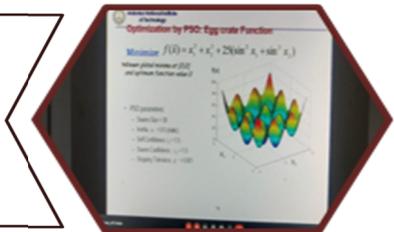
Title: Webinar on Gender Equality, Women Safety and Rights
Date: September 18, 2021
Speaker: Mr. Navneet Kumar, Founding Partner- Saxena's and Kumar Law Chambers LLP

Title: Public webinar on Ayurveda in Everyday life: Caution & Concerns
Date: July 16, 2021
Speaker: Dr. Ritu Sethi, Senior Ayurveda consultant, Delhi



Title: Exploring various career avenues in Biotechnology
Date: September 27, 2021
Speaker: Prof. Atul Kumar Johri, School of Life Sciences,,JNU Delhi

Title: Nature-Inspired Algorithms
Dates: December 27, 2021
Speaker: Prof. Rajesh Kumar

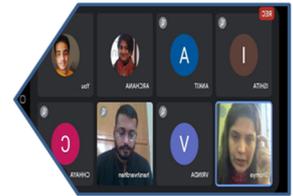


Talk/Webinar

Title: Alumni talk

Date: September 16, 2021

Speaker: Harshvardhan Singh Chauhan, Academic Counsellor at UpGrad, Shomya Shukla, HR at Planetspark.



Title: Alumni talk

Date: September 25, 2021

Speaker: Diksha Sharma, Wealth and Asset Management, McKinsey



Title : Understanding the Industry vis-à-vis Financial and Market Position in Indian Market

Date: October 27, 2021

Speaker: Mr. Abhishek Kumar, Product Consultant, Sapiens International Corporation



Title : Introduction to Business Verticals - Understanding the Industry vis-à-vis Financial and Market Position

Date: November 11, 2021

Speaker: Ms. Pankhuri Verma, Process/Team Lead, Ameriprise Financial



Title:: Annual Alumni Meet- Milaap

Date: December 04, 2021

Speakers: Honorable Vice Chancellor Prof. Y.R. Sood, Vice Provost Prof. (Dr) Renu Luthra, Dr. Shriram Anil Purankar, Assistant Professor, JBS



Title: What IT industry can expect in next decade

Date: March 24,

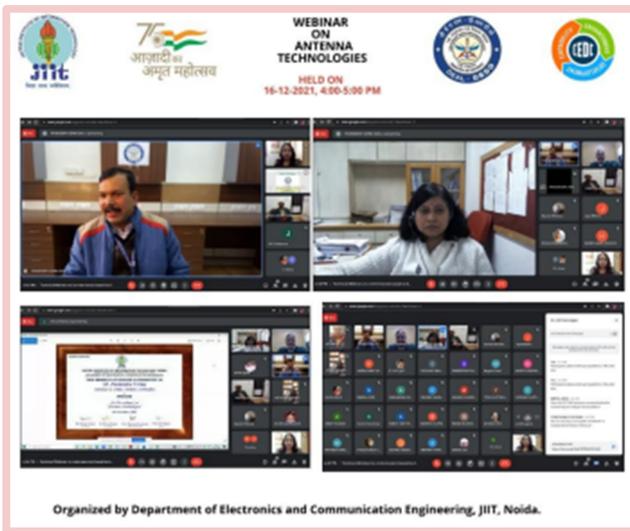
Speaker: Amarjeet Prajapati



Series of Technical Webinars to commemorate Azadi Ka Amrit Mahotsav under the initiative of Ministry of Defense

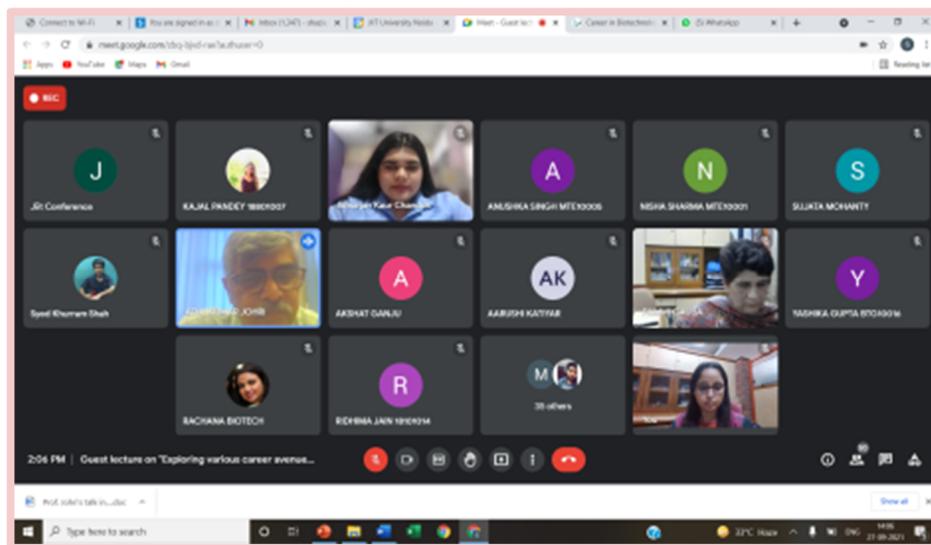
December 10-17, 2021

Theme and objective: To Celebrate the Azadi ka Amrit Mahotsav under the initiative of Ministry of Defense, Department of Electronics and Communication Engineering Department, JIIT Noida in association with Capability Enhancement and Development Cell (CEDC) and resource person from Defense Electronics Application Laboratory (DEAL) Dehradun had organized the four day technical webinar on the topics related to the interest of Indian Defense Industry. The objective of the technical webinars was to make students conversant about the research and products developed by DEAL. Defense Electronics Applications Laboratory (DEAL) is working on design and development of technologies and systems in the areas of satellite communication and surveillance, software radios, data links, microwave and millimeter wave communication, satellite image reception and processing, troposcatter communication systems.



Exploring Various Career Avenues in Biotechnology

September 27, 2021



ABHIVAADAN 2021 (Alumni Meet for 2020 batch of B.Tech and MTech)

December 04, 2021

The first virtual Alumni meet – ABHIVAADAN 2021 organized for the 2020 batch of BTech and MTech Biotechnology students by the Department of Biotechnology.

- The purpose of this meeting was to provide a platform for our alumni to interact and share their experiences, knowledge, and achievements, with a sense of reconnecting with the institution that they belong to.



National Mathematics Day

22 December, 2021

The event focused mainly on the glory and highlights of the research work done by Srinivasa Ramanujan during his short span of life journey in the field of Mathematics. In addition to Srinivasa Ramanujan, the work and life struggles of many other worthy and esteemed mathematicians were appreciated and remembered. During this event, a total of three sessions were arranged and all the speakers were from Jaypee Institute of Information Technology, Noida.





DEPARTMENT OF MATHEMATICS
JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY, NOIDA, INDIA

WELCOMES ALL STUDENTS AND FACULTIES FOR THE CELEBRATION OF
NATIONAL MATHEMATICS DAY

22nd DECEMBER 2021

HAPPY NATIONAL MATHEMATICS DAY!!
Remembering India's one of the greatest mathematical genius **Shri Srinivasa Ramanujan** on his birth anniversary.



Mathematics is not about numbers, equations, computations, or algorithms: It is about understanding.

Keynote Speakers:

- § Prof. R. C. Mittal
Title of the talk: "On rational approximation of irrationals"
- § Prof. B.P. Chamola
Title of the talk: "A Glimpse into Mathematical Treasure of some of the Great Indian Scholars"

Student Activity: Presentations by Research Scholars and M.Sc. Students

Google Meet Link: <https://meet.google.com/umi-edpu-rja>
Time: 12:00 - 15:00 Hrs

$$\frac{1}{\pi} = \frac{2\sqrt{2}}{9801} \sum_{k=0}^{\infty} \frac{(4k)!(1103 + 26390k)}{(k!)^4 396^{4k}}$$

Coincidentally - Dr. Neha Singhal, Dr. Shikha Pandey

Meet our alumni series

August 11, 2021

Noida, Uttar Pradesh, India
Jaypee Institute of Information Technology
15, B Block, Block A, Industrial Area, Sector 17
62, Noida, Uttar Pradesh-201309, India
Lat 28.430732° Long 77.317609°

Department of Biotechnology
JIT Noida
presents
MEET OUR ALUMNI SERIES

"HACCP and Microbiology for biotech students for Food Manufacturing Sector"

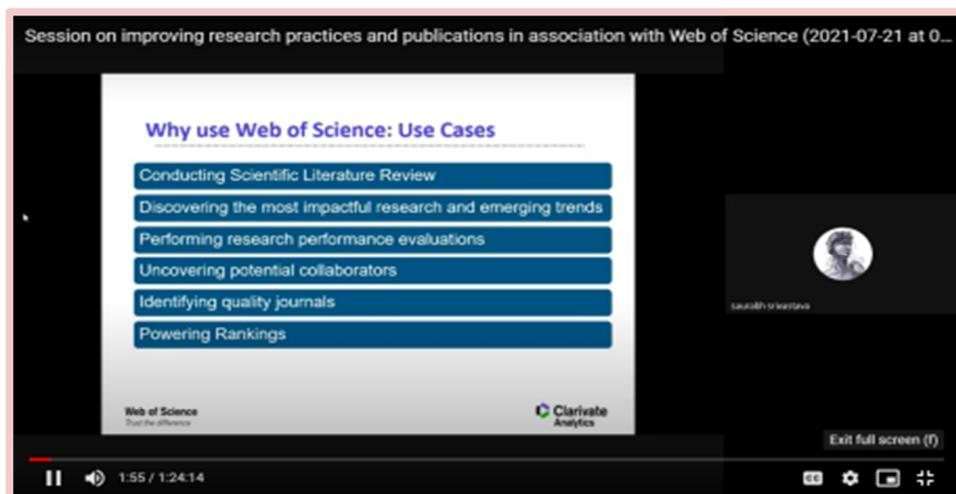
Mr. Abhishek Tyagi
The pro-lease consultant and researcher, Abhishek Tyagi, brings us his experience and journey through building a distinguished career in food safety systems, sector audits and much more.

REGISTRATION LINK:
<https://www.google.com/maps/place/401+PM+anl-iyd-fmp>

11 Aug 2021
6:00-6:00pm
[meet.google.com/401-iyd-fmp](https://www.google.com/maps/place/401+PM+anl-iyd-fmp)

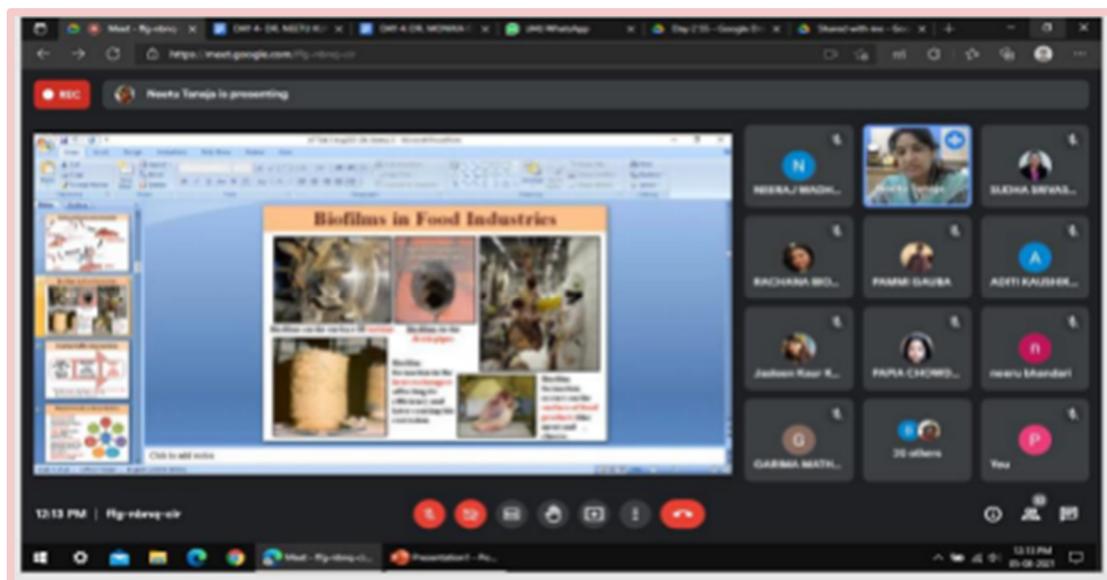
Improving research practices and publications in association with Web of Science

July 21, 2021



Food and Agriculture Biotechnology

August 02-07, 2021



Independence Day

Independence day is celebrated with great zeal on 15 August every year. On this day in the year 1947, India became independent from British colonial rule. This day was celebrated by unfurling the flag, singing the national anthem, remembering our freedom fighters, etc. This grand celebration wakes up the people with patriotism and understands the struggle of freedom fighters in our young generation. On this day, every individual in the country pays tribute to our martyrs—the organization of various functions in colleges for students. The students perform acts & play to represent the struggle of our freedom fighters. To fill us with the feeling of love & patriotism for our nation. At JIIT, every year Independence Day is celebrated with paying respect to our National flag, by all faculty and students. The Independence day celebration has been addressed by honorable Pro-Chancellor Prof. S. C. Saxena



Hands-on session on Guava Muse Cell Analyzer

September 30 – October 01, 2021

Hands-on training on Guava Muse Cell Analyzer functioning was conducted for non-teaching staff, faculty, and students. The instrument is known for its high-performance single-cell analysis at a fraction of the time, effort, and price based on microcapillary technology and miniaturized optics. Proper demonstration of an integrated touchscreen and software for data acquisition analysis using optimized muse assays was done. Step by step operation of touchscreen interface and proper use of assay-specific software module including sample graphs to make population gating setup was explained. It was also explained how to compare our experimental assays with the optimized muse assays for accurate results. Furthermore, it was also demonstrated how to save the data and retrieve the files from the machine.

Academia Industrial Interaction

October 01, 2021



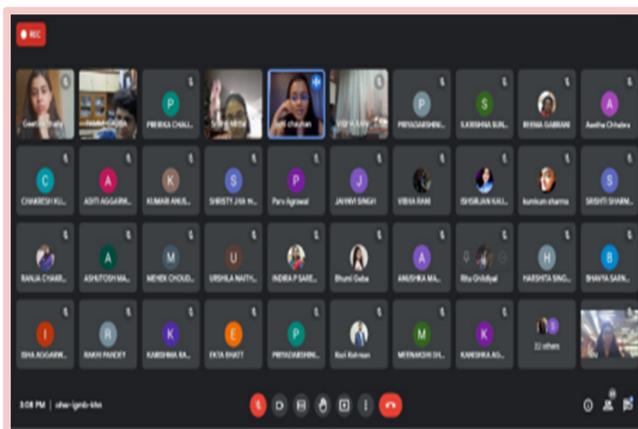
Jaypee Institute of Information Technology
Department of Biotechnology organises

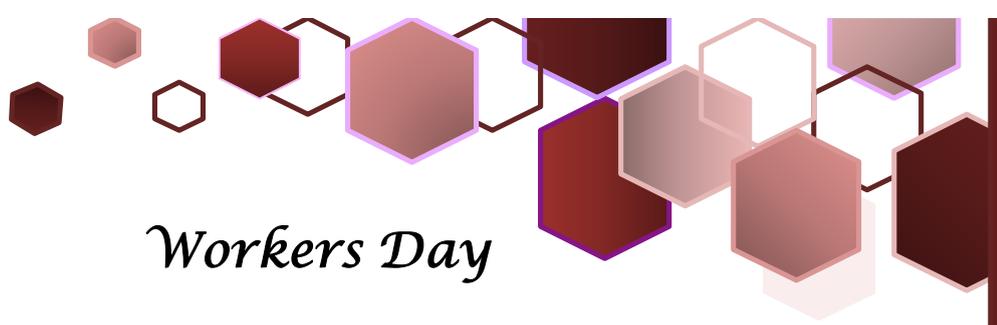
Academia Industrial Interaction
on
"Biotechnologists as Future Career Consultants"
McKinsey & Company

Jyoti Saini

Geetika Bhalla
October 1, 2021

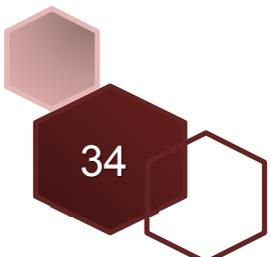
Srishti Mittal
3:00PM Onwards





Workers Day

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Plantation Drive

In consonance with National Festival of Tree Planting observed by Govt. as "Van Mahotsav" (1-7 July, 2021)



Green Initiatives & Waste Management Cell of IIIT organized a Tree plantation activity on campus

LAURELS WON

Dr. Pranav Pancham won the Younger Ethnopharmacology Award -2021 For the best oral presentation on the topic 'Formulation and Essential oil Based Nano Emulsion System For Treating Skin Carcinoma' at the International Congress of Society For Ethnopharmacology, India (SFEC 2021).



Ms. Priya Malpani received the NASI - Swarna Jayanti Puruskar (2021) For the Best Paper Presentation in the field of Physics Sciences through "The National, Academy of Sciences, India.

MS. Nikita Nunavath, Junior Research Fellow, received the NASI- Swarna Jayanti, Puruskar (2021) for 'Best Paper Presentation' in the field of Physics Sciences through "The National Academy of Sciences, India.



Mr. Arindam Dutta, Junior Research Fellow, received the NASI- Swarna Jayanti Puruskar (2021) for 'Best Paper Presentation' in the field of Physics Sciences through "The National Academy of Sciences, India.

LAURELS WON

Prof. Rachana received the women Scientist Award in the field of Biomedical Sciences in Health and Wellness conclave by Social talks, Supported by - IPC, USP, NCPM, World Book of Records, March 2021.



Dr. Shalini Mani received the Best Paper Award for the Research paper “Molecular Docking and ADMET Studies to predict the Anti- Breast Cancer effects of Aloca By Taxgeteog Estrogens and Progesterone Receptors” presented at 2021 IEEE International Conference on Nanoelectronics, Nanophotonic, Nanomaterials, Nano bioscience & Nanotechnology organized by Mangalam college of Engineering, Ettumanoor, Kottayam, Kerala, India, April 29 & 30,2021



Ms. Mansi Sharma, Research Scholar received the Best Paper Award in Environment/ Health Sustainability For the Paper presentation on “Exploring of anticancer and other pharmacological potential of *Musa paradisiaca*, peel extract” organized by S.S. Khanna Girls’ Degree College, Prayagraj & Strengthening Component of Star College Scheme: DBT, GOI



Light De Literacy

An NGO, run by a group of socially active youth that aims to educate underprivileged children. Light de Literacy has been started to provide quality education to them. We have been working for children living in slums since 2012 and have started working under this name since September 27th, 2014. 'Light de Literacy' means 'साक्षरता का प्रकाश' and our tagline एक आशा नवनिर्माण की clearly shows our vision for the future.

OUR MISSION

- To identify and educate children and make them self-dependent so that, they can have a common platform with others in terms of social equality and justice.
- To make children discover their hidden potential and counsel them.
- The organization focuses on the overall development of a child in the field of academics, sports, art, etc., and also makes them aware of the potential hazards they are prone to.

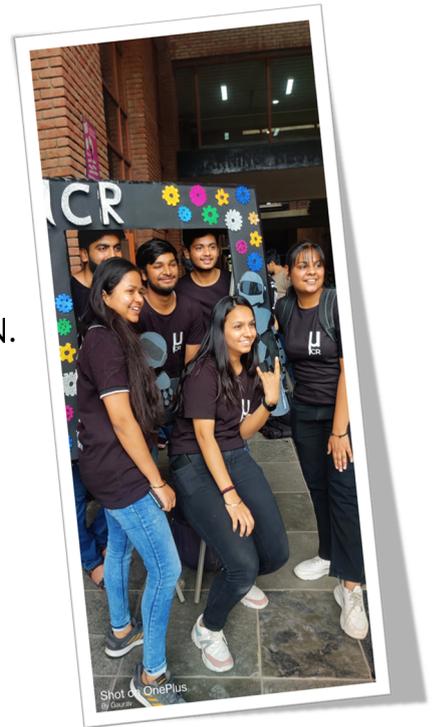
ACHIEVEMENTS

Till now we have admitted more than 40 children to schools. Our children are competing at the National level. Few are winning State level sports championships in Boxing, Kho-Kho, etc. whereas others are competing in prestigious academic institutions like JNV. Three of our kids cleared the entrance in 2017 as well. Parallely, we are taking many initiatives for the upbringing of our kids, you can find more on our Initiatives page.



μ cr

- Volunteers Form released (17.09.2021 - 24.09.2021)
- Informal Meet with volunteers - Hub introduction, Role of volunteers, Domain distribution, etc. (01.10.2021)
- 1st-year google form released (12.10.2021)
- Orientation (Introduction to Hub and present managing team)
Chief Guest: Mr. Ajit Tomar and Dr. Hema N. (18.10.2021)
- Autonomous Workshop for volunteers – Arduino [21.10.2021-24.10.2021]
- Autonomous Workshop (1st year) [27.10.2021-31.10.2021---Arduino]
- 19.11.2021-Online LFR Team List Revealed for First Years and Mentors are allocated



Kalakriti Hub Activity

Kalakriti provides a platform for young engineers to showcase their creativity and artistic capabilities. This hub unleashes the artistic and creative ideas of students by organizing various competitive and non-competitive activities throughout the year. This hub provides students an opportunity to follow their artistic pursuits and release their stress. With activities like Sand art, Rangoli, Junk Rangoli, Poster making, Graffiti, etc. the young engineers not only learn and showcase new art forms but also find it a pleasant break from the humdrum



Event : 11-17 Oct 2021

Activity by IEEE



| S.No. | Event Name | Date |
|-------|---|-------------------|
| 1. | Road Map to success by Mr. Surya P. Kahar popularly known as "TechDose" | 10 September 21 |
| 2. | Orientation for first year students | 29 September 21 |
| 3. | IEEE Day Event TechHeist- Technical Quiz Events creative writing | 02 October 21 |
| 4. | Hacktoberfest Introductory session on Github | 05 October 21 |
| 5. | Webinar on Web dev., MLH and Github by Praveen Kumar Purshotam | 24 November 21 |
| 6. | TechBlocks 7.1 | 25-29 November 21 |

Art Corner



ART CONTRIBUTION : RIYA BADHAN AND TEENA



Crescendo-the Music Hub of IIIT



Crescendo is a Music Hub of IIIT. It is a family of keen music enthusiasts who Perform Promote and Propagate music It's an open community that welcomes and motivates fellow students to unleash their Musical talents Crescendo philosophy is to provide a platform for everyone who has music in their soul. It is a National level of even. The date of the Programme was 29-11-2021 and it was conducted on Campus. Crescendo 2021 Orientation was held to introduce the freshers to the culture of Crescendo and the events hosted by us. The orientation was held in Hybrid Mode - online & offline mode and later coordinators as well as volunteers performed for the Freshers.



Alumni Speak

Stay Happy, Spread Happiness, - Dr. Ankita Raj



Hello Friends, Little did I know that the lectures in LT1 were teaching me patience. Finding the tutorial rooms was preparing me to choose the right destination. Cultural programs increased my self-confidence. Short trips to Shipra mall gave me a glimpse of small struggles in the future, on my way to the office. Major project taught about coordination in work-life. T&P cell explained about professional help. Labs demonstrated that whatever was learned, had to be implemented for results.

JBS-life coached me that personality matters. Annapurna taught that there is a queue for things. Little did I know that the attendance in the hostel was educating me to be present where I am supposed to be. Most importantly, having a roommate prepared me to believe that home will feel empty without family members, once I start working. I left J.I.I.T. in 2011.

After college

I was elated to get campus placement. I explored the city of Chennai, Mumbai, and Delhi. Good things unfolded eventually. After working for 4 years, I chose to get married. That was a huge turning point in my life, again. I switched to academics and taught M.B.A students. I conceived and had to take a break from my work life. Child caretaking demanded some more time. I opted for Doctoral research then and the topic focused on women's economic empowerment. I wrote my thesis heartedly and discovered my love for writing. Meanwhile, my daughter turned 2-years old and I learned about child psychology. I wrote my first parenting book co-authored with my husband where we share our experiences. Now, my two daughters help me with ideas for my literary works.

About me

I have published nine books as of now. Overall, ~70 publications. I established Greenhath Products, which gives a work-from-home opportunity to rural women. I am a social policy analyst and educator in gender, women empowerment, and management; Enthusiastic about social change through storytelling and behavioral nudges. I am a spokesperson at events to counsel women and youth on domains of life; Contributed to and presented policy briefs at the University of Oxford and University of Cambridge, UK, and Entrepreneurship Development Institute of India. I delivered guest lectures at Allahabad University, Jaipuria, and Amity University. I blog with UN Women Asia & Pacific, Jagran, Times of India, Amar Ujala, and other Hindi language newspapers; Keen interest in social writing and poster designing; Song published with T-series. I like to write columns on environmental aspects. I have been awarded by Purvanchal University and the Indian Institute of Public Administration.

See you soon. Your days are good. You are working to make them more beautiful. Cheers!

Best wishes,

Ankita (Author & Founder, Greenhath Products)

DDM 2006-2011 batch (06502901 ☺)

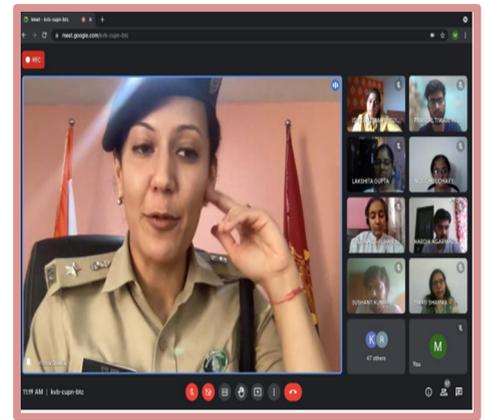
ankitaraj3@gmail.com

NSS Events

| Name of the Activity | Date |
|---|------------|
| Online Awareness Program: Doctor's Day | 01/07/2021 |
| VIRTUAL PARLIAMENTARY DEBATE | 14/08/2021 |
| Fit India | 16/08/2021 |
| Women Safety lecture By IPS Vrinda Shukla | 16/08/2021 |
| Webinar On Drama Techniques | 17/08/2021 |
| Lecture by Bala Lakhendra BHU Role of NSS Volunteers in Nation Building | 18/08/2021 |
| Sapling Plantation | 18/08/2021 |
| Webinar; Enhancing Emotional Intelligence Mr. Manoj Keshav, Founder NxtNlp Research Institute | 19/08/2021 |
| Guest Lecture; Service Entrepreneurship | 19/08/2021 |
| Lecture on Water Conservation by Dr. Rajendra Singh | 19/08/2021 |

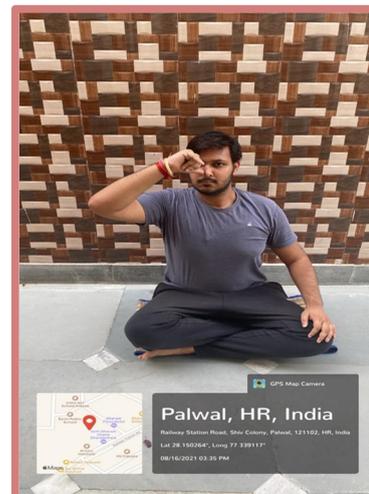


Sapling Plantation



Talk with IPS Vrinda Shukla

| | |
|---|------------|
| Workshop on mask making | 20/08/2021 |
| Service Drive (Offering Appreciation to Front Line Workers) | 19/08/2021 |
| Workshop; NDRF : Preparing for general Emergencies | 21/08/2021 |
| Guest lecture on Clean Noida | 21/08/2021 |
| Clothes Donation Drive | 04/09/2021 |
| Online Quiz on National Service Scheme | 25/09/2021 |



Fit India

NSS Events

| | |
|---|----------------|
| Photography Contest on World Animal Welfare Day | 2-4/10/2021 |
| Animal Welfare Day | 11/10/2021 |
| Online Awareness Program: International Day of Girl Child | 11/10/2021 |
| Gandhi Jayanti | 12/10/2021 |
| Photophi-1.0: Hands on Training on Adobe photoshop | 17 -18/10/2021 |
| Campus tour of NSS Nodal Officer Dr Anshumali Sharma | 30/10/2021 |
| Online Awareness Program National Unity Day | 31/10/2021 |
| Illustrific 1.0: workshop on Illustrator | 20-21/11/2021 |
| Constitution Day | 26/11/2021 |
| World AIDS Day | 01/12/2021 |
| National Pollution Control Day | 02/12/2021 |
| World Disabled Day | 03/12/2021 |



NDRF



Clothes Donation

Upcoming events

06 Jun, 2022

- One week FDP on “RECENT TRENDS IN OPTICS AND PLASMA PHYSICS” organized by Department of PMSE

12 Jun, 2022

- One week online FDP on “GREEN IoT FOR SUSTAINABLE DEVELOPMENT “

04 Jul, 2022

- One week FDP on “FULL STACK ENGINEERING” organized by Dept of CS/IT

25 Jul, 2022

- One week FDP on “MATHEMATICAL FOUNDATIONS OF MACHINE LEARNING” organized by Department of Mathematics

25 Jul, 2022

- Two weeks summer school on “QUANTUM COMPUTING AND ITS APPLICATIONS” organized by Department of CSE/IT

04 Aug, 2022

- Fourteenth International Conference on Contemporary Computing (IC3-2022)

01 Dec, 2022

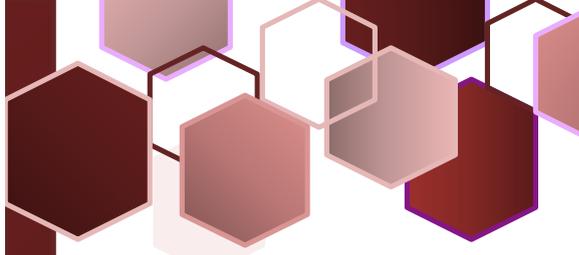
- Eighth International conference on signal processing and communication(ICSC-2022)

08 Dec, 2022

- 6th International conference on recent advances in “mathematical sciences and its application”(RAMSA-2022) by Department of mathematics

18 Jan, 2023

- International conferences on “Innovation in life sciences and computational biology” (ICABB-2022) by Department of Biotechnology



New Joinees in IIIT Family

COMPUTER SCIENCE & ENGINEERING AND INFORMATION TECHNOLOGY

- NISHTHA AHUJA, Assistant Professor (GRADE II)
- PRATISHTHA VERMA, Assistant Professor (GRADE II)
- SURENDRA KUMAR, Assistant Professor (GRADE II)
- NAVEEN KUMAR GUPTA, Assistant Professor (SR GRADE)
- ASHISH KUMAR, Assistant Professor (GRADE II)
- JANARDAN KUMAR VERMA, Assistant Professor (GRADE I)
- NITISH ANDOLA, Assistant Professor (SR GRADE)
- NAVEEN KUMAR, Assistant Professor (SR GRADE)
- KAPIL MADAN, Assistant Professor (GRADE II)

JAYPEE BUSINESS SCHOOL

- DIVYA GOEL, Assistant Professor (SR GRADE)
- RUBY SANGAR, Assistant Professor (SR GRADE)
- MANSI KHURANA, Assistant Professor (SR GRADE)

MATHEMATICS

- MANISH KUMAR BANSAL, Assistant Professor (GRADE II)
- SHRUTI, Assistant Professor (GRADE I)
- RAJANISH KUMAR RAI, Assistant Professor (GRADE I)

ELECTRONICS & COMMUNICATION ENGINEERING

- SAMRITI KALIA, Assistant Professor (SR GRADE)
- GAURAV KHANNA, Assistant Professor (SR GRADE)

PMSE

- RAVI GUPTA, Assistant Professor (GRADE I)

HUMANITIES & SOCIAL SCIENCES

- DEBJANI SARKAR, Assistant Professor (GRADE I)

TRAINING & PLACEMENT

- PREETI SARASWAT, Executive- Admin



Photo credit: Prof. Pammi Gauba,
HoD, Biotech Dept.