

Faculty Detail

Name : Dr. Shruti Jain

Designation : Associate Professor

Biography

Dr. Shruti Jain is an Associate Professor in the Department of Electronics and Communication Engineering at the Jaypee University of Information Technology, Wagnaghat, H.P, India, and has received her Doctor of Science (D.Sc.) in Electronics and Communication Engineering. She has teaching experience of around 16 years. She has filed five patents, of which one has been granted and four are published. She has published more than 21 book chapters, and 125 research papers in reputed indexed journals and in international conferences. She has also published 12 books. She has completed two government-sponsored projects. She has guided 06 Ph.D. students and now has 04 registered students. She has also guided 11 M Tech scholars and more than 95 B Tech undergrads. She has organized 07 conferences of IEEE and Springer as Conference General Chair. Her research interests are Image and Signal Processing, Soft Computing, Internet-of-Things, Pattern Recognition, Bio-inspired Computing and Computer-Aided Design of FPGA and VLSI circuits. She is a senior member of IEEE, Executive member of IEEE Delhi Section, life member and Executive member of Biomedical Engineering Society of India and a member of IAENG. She is a member of the Editorial Board of many reputed journals. She is also a reviewer of many journals and a member of TPC of different conferences. She was awarded by Nation Builder Award in 2018-19.

Contact Number: 01792 239262, +91- 9318039036

ACADEMIC PERFORMANCE

Degree/Diploma	Board/University	Performance	Year
D. Sc.	GLA University, Mathura	Completed	2014 – 2020
PhD (ECE)	JUIT, Wagnaghat, Solan	Completed	2008 –2012
M.Tech(ECE)	Rajasthan Vidyapeeth (Deemed University)	71.9%Agg.	2005 –2007
B.Tech (Electronics)	Haryana Engg College, Jagadhri (Kurukshetra University)	81.28% Agg	2000 –2004
12 th	CBSE, Ambala	82.2% Agg.	2000



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shruti.jain@juitsolan.in

Affiliations:

Sr. Member IEEE (90530491),

Life Member IAENG (112391),

Biomedical Engineering Society of
India, LM-1095

SCIREA Journal of Computer,
802317

FORCE Biomedical, FB - M - 19 -
000732

10 th	CBSE, Ambala	72.4% Agg.	1998
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Webpage : <http://www.juit.ac.in/faculty.php?id=155&dep=ece&page=0>

GOOGLE SCHOLAR : <https://scholar.google.co.in/citations?user=AIV68TgAAAAJ>

SCOPUS ID : <https://www.scopus.com/authid/detail.uri?authorId=7404324730>

ORCID ID : <http://orcid.org/0000-0002-7538-0584>

RESEARCHER ID :C-8263-2015

PUBLONS : https://publons.com/a/1487672_jain.shruti15@contact.publons.com
<https://publons.com/researcher/1487672/shruti-jain/>

VIDWAN : https://vidwan.inflibnet.ac.in/myprofile#honours_information_panel
<https://vidwan.inflibnet.ac.in/profile/173845>

PH.D. Thesis : <http://shodhganga.inflibnet.ac.in:8080/jspui/handle/10603/11161>

Entitled “Communication of Signals and Responses Leading to Cell Survival/ Apoptosis Using Engineered Regulatory Networks”

JOB EXPERIENCE: 16years

- 1) Working as **ASSOCIATE PROFESSOR** in Jaypee University of Information Technology, Waknaghat from 30/09/ 2016 to present.
- 2) Worked as **ASST. PROFESSOR** in Jaypee University of Information Technology, Waknaghat from 01/07/2012- 30/09/2016.
- 3) Worked as **SR.LECTURER** in Jaypee University of Information Technology, Waknaghat from 01/07/2010- 01/07/2012.
- 4) Worked as **LECTURER** in Jaypee University of Information Technology, Waknaghat from 15/04/2008 to 01/07/2010.
- 5) Worked as **LECTURER** in Ambala College of Engineering & Applied Research, Devasthali from 13/07/2005 TO 25/02/2008
- 6) Worked as **LECTURER** in Haryana Engineering College from 13/08/2004 to 21/05/2005 AND 02/07/2005 to 13/07/2005

Research Projects and Consultancy Works:

S. No.	Title of Research Project/ Consultancy Work	Details of Sponsoring Agency	Duration, Sanction Date & Status	Amount Sanctioned	Chief or Co Investigator Specify	Status
1	Fabrication of Energy Harvesting Prototypes Using Piezoelectric Materials	Government of India , Ministry of Defence, Defence Research & Development Organisation Defence Institute of High Altitude	2 years	Rs. 9.68 lakhs	Dr. P.K. Naik	Completed

		Research(DIHAR)				
2	Design and Analysis of a Thermoelectric Generator for Energy Harvesting System from Waste Heat for the State of Himachal Pradesh	Himachal Pradesh Council for Science, Technology & Environment (HIMCOSTE), H.P.	2 years	Rs 5.24 lakhs	Dr. Meenakshi Sood	Completed
3	“DRISHTI” - IEEE SIGHT JUIT	IEEE, SIGHT		250 \$		Ongoing

Patent Filled :

S. No	Title of Research Project	Members	Application No
1	Energy Harvesting Footwear	Ritendra Mishra, Dr Sunil Kumar Hota, Dr C Durgaprasad, Dr Shruti Jain , Col. Vasant Ballewar, Dr R B Srivastava	Patent Application number 325/DEL/2015 Patent No :339820 Date of Award : 29/06/2020
2	A Novel N-Bit Compressor Based High-Speed Multiplier Algorithm For Low Power Arithmetic Circuits	Rajkumar Sarma, Cherry Bhargava, Sandeep Dhariwal, & Shruti Jain	TEMP/E-1/23170/2018-DEL Patent Application Number: 201811022936. Published on: July 26, 2019 Examination Filled on : Dec 20, 2021
3	A Multiplexer based MAC architecture Implementation on FPGA	Rajkumar Sarma, Cherry Bhargava & Shruti Jain	TEMP/E-1/29819 /2020-DEL Patent Application Number: 202011026964 Filed on :June 25,2020 , 14:25:00 Published on: Oct 15, 2021
4	Portable Thermal Gradient Apparatus for Recovery of Waste Heat	Shruti Jain , Meenakshi Sood, Pramod Kumar	Cbrno : 19316 Design Application No : 334586-001 Filled on : October 23, 2020, 19:01:53
5	Artificial Intelligence and Voice Based Patients Monitoring System	SriRamManish Kumar, Firos A, Aruna M, Shruti Jain , Meenakshi Sood, Samson Isaac, Siva Sathyanarayana, Satheesh Gopisetti, Prabakaran R, Thamaraiselvam S, Sabarimuthu M	TEMP/E-1/53405/2020-CHE Patent Application Number: 202041048080 Published on : Nov 13, 2020
6	Design of Household Waste Heat Harvesting System	Shruti Jain , Meenakshi Sood	TEMP/E-1/4172/2021-DEL Patent Application Number: 202111003968 Published on : Feb 12, 2021

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S. No.	Title of Research Project	Members	Application No
1	A Handbook to Use Digital Circuit Simulation Tools	Rajkumar Sarma, Cherry Bhargava & Shruti Jain	L-83855/2019 08/07/ 2019
2	Novel Signed Floating-Point MAC (SFMAC) Architecture	Rajkumar Sarma, Cherry Bhargava & Shruti Jain	L-91179/2020 06/05/2020
3	Universal Compressor-Based Multiplier (UCM) Architecture	Rajkumar Sarma, Cherry Bhargava & Shruti Jain	L-94212/2020 28/08/2020

Guest Editor :

1. Sudip Paul, Shruti Jain, “Sensor-based Wireless Biomedical Systems for Health Technologies”, Special Issue on Measurements Sensor <https://www.journals.elsevier.com/measurement-sensors/call-for-papers/sensor-based-wireless-biomedical-systems-for-health-tech> <https://www.sciencedirect.com/journal/measurement-sensors/special-issue/10NS2QPNDJ0> [IF 3.364]
2. Dinesh Kumar, Shruti Jain, Amit Kumar Manocha, Ram Sewak Singh, “Intelligent Healthcare Systems for Sustainable Development”, Special Issue on International Journal of Computer Applications in Technology, Inderscience. <https://www.inderscience.com/info/ingeneral/cfp.php?id=5187>
3. Shruti Jain, Meenakshi Sood, “Emerging Technological Paradigms in Engineering”, Special Issue for Recent Patents on Engineering <https://benthamscience.com/journal-files/special-issue-details/RPENG-SII20190211-01.pdf>
4. Meenakshi Sood, Shruti Jain, “Advances in Wireless Communication, Networks and Automation”, Special Issue for International Journal of Sensors, Wireless Communications and Control <https://benthamscience.com/journal-files/special-issue-details/ISWCC-SII20190130-01.pdf>

Books Written:

1. Rajiv Kumar, Shruti Jain, Harsh Sohal “Signal Processing, Computing and Control” , IEEE, 2021, ISBN 978-1-6654-2554- 4 <https://ieeexplore.ieee.org/xpl/conhome/9609332/proceeding> 978-1-6654-2554-4/21/\$31.00 ©2021 IEEE, DOI: 10.1109/ISPC53510.2021.9609466
2. Ayodeji Olalekan Salau, Shruti Jain, Meenakshi Sood, “Paradigms in Computational Intelligence and Data Sciences “, CRC, Taylor & Francis Group, U.K. ISBN :9781032123134 <https://www.lehmanns.de/shop/mathematik-informatik/57316548-9781032123134-computational-intelligence-and-data-sciences>
3. Shruti Jain, Sudip Paul, “Assistive Technology Intervention in Healthcare”, CRC, Taylor & Francis Group, U.K. ISBN : 9781032075976 <https://www.routledge.com/Assistive-Technology-Intervention-in-Healthcare/Jain-Paul/p/book/9781032075976>
4. Nikihil Maraiwalla, C.C. Tripathi, Shruti Jain, Dinesh Kumar Proceedings of MRCN 2021, Lecture Notes in Networks and Systems, Series ISSN 2367-3370. <https://link.springer.com/book/9789811670176>

5. NikihilMaraiwalla, Shruti Jain, C.C. Tripathi, ShivakumarMathapathiEmerging Convergent Technologies and Biological Systems (ETBS 2021), Lecture Notes in Electrical Engineering, ISSN1876-1100
<https://link.springer.com/book/9789811687730>
6. Amit Manocha, Mandeep Singh, Shruti Jain, Vishal Jain, Smart Computational Intelligence in Biomedical and Health Informatics, CRC, Taylor & Francis Group, U.K. ISBN 9780367624125
<https://www.routledge.com/Smart-Computational-Intelligence-in-Biomedical-and-Health-Informatics/Manocha-Singh-Jain-Jain/p/book/9780367624125>
<https://www.taylorfrancis.com/books/edit/10.1201/9781003109327/smart-computational-intelligence-biomedical-health-informatics-amit-kumar-manocha-mandeep-singh-shruti-jain-vishal-jain>
7. NikihilMaraiwalla, C.C. Tripathi, ShivakumarMathapathi, Shruti Jain, Soft Computing for Intelligent Systems (SCIS 2020).“Algorithms for Intelligent Systems”.ISBN : 978-981-16-1047-9, eISBN : 978-981-16-1048-6, doi: 10.1007/978-981-16-1048-6
<https://www.springer.com/in/book/9789811610479>
<https://link.springer.com/book/10.1007/978-981-16-1048-6>
8. Amit Manocha, Shruti Jain, Mandeep Singh, Sudip Paul, “Computational Intelligence in Healthcare”, Health Information Science- Springer Book Series. ISBN : 978-3-030-68722-9, eISBN : 978-3-030-68723-6
<https://www.springer.com/gp/book/9783030687229>
9. C.C. Tripathi, NikihilMaraiwalla, Dinesh Kumar, Shruti Jain, “Mobile Radio Communications and 5G Networks, Springer, Singapore, ISBN 978-981-15-7129-9.
<https://www.springer.com/gp/book/9789811571299>
<https://www.springer.com/gp/book/9789811571299#bibliographic>
<https://www.springer.com/gp/book/9789811571299#aboutBook>
10. Shruti Jain, Sudip Paul, “ Recent Trends in Image and Signal Processing in Computer Vision”, Springer, ISBN 978-981-15-2740-1DOI: [10.1007/978-981-15-2740-1](https://doi.org/10.1007/978-981-15-2740-1)
<https://www.springer.com/in/book/9789811527395>
<https://link.springer.com/book/10.1007%2F978-981-15-2740-1#editorsandaffiliations>
11. Shruti Jain, Meenakshi Sood, Sudip Paul, “Advances in Computational Intelligence Techniques”, Springer,ISBN 978-981-15-2620-6
<https://link.springer.com/book/10.1007%2F978-981-15-2620-6>
<https://www.springer.com/in/book/9789811526190>
12. Shruti Jain and Meenakshi Sood“Signal Processing, Computing and Control” , IEEE, 2019, ISBN 978-1-7281-3986-9 (Print), ISBN: 978-1-7281-3988-3 (XPLORE Compliant)
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8988451>
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8988347>
13. Meenakshi Sood and Shruti Jain,“Signal Processing, Computing and Control” , IEEE, 2017, ISBN 978-1-5090-5837-2
<https://ieeexplore.ieee.org/xpl/conhome/8258908/proceeding>
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8269572>
14. Shruti Jain,“Synthetic Biology : Towards Digital Circuit” –VDM Veralag , Mauritius, 2011. ISBN-10 : 9783639338119
<https://www.amazon.in/Synthetic-Biology-Towards-Digital-Circuits/dp/3639338111>

PROFESSIONAL MEMBERSHIP

Senior Member, Institute of Electrical and Electronics Engineers (*IEEE*) 90530491

Member, International Association of Engineers (*IAENG*) 112391

Life Member, Biomedical Engineering Society of India, LM-1095

Senior Member, SCIREA Journal of Computer, 802317

Member, FORCE Biomedical, FB - M - 19 – 000732

Member,Asian Council of Science Editors, 91.17334

QS Global Academic Survey Member2017 , Maharishi Markandeshwar University, Mullana

AWARD :

1. Enlisted in the top 2% scientist of world rankings of 2021 published by Elsevier, data compiled by Stanford University.
<https://elsevier.digitalcommonsdata.com/data.../btchxktzyw/3>
2. International Scientist Awards on Engineering, Science, and Medicine, Sep 10-11, 2021 in Coimbatore, India .
3. Appointed as Executive member in IEEE Delhi section<https://ewh.ieee.org/r10/delhi/>
4. Appointed as Executive Committee member of Biomedical Engineering Society of India (BMESI) : Dr Shruti Jain, Member# L1095 for 2021-23 session.
5. Awarded honorary “Rosalind Member of London Journals Press”,MembershipID#LD66484for research paper titled "*Instance-Based Learning of Marker Proteins of Carcinoma Cells for Cell Death Survival*"on July 05, 2020.
6. Best Electrical & Electronic Engineering Paper in 2019, for An image feature selection approach for dimensionality reduction based on kNN and SVM for AkT proteins by Cogent Engineering.
<https://www.cogentoa.com/collection/cogent-engineering-best-paper-awards-2019>
7. Awarded honorary “Rosalind Member of London Journals Press”,Membership ID#WK14138for research paper titled "*Comparative Analysis of Various Image Fusion Techniques for Brain Magnetic Resonance Images*" on May 19, 2020.
8. Awarded “Quarterly Franklin Membership”, Membership ID# HS75601; given by Editorial Board of London Journals Press (2020) for research paper titled, “*An Image Feature Selection Approach for Dimensionality Reduction Based on kNNand SVM for AKT Proteins*” on Feb 26, 2020.
9. Appointed as Editor in Chief of ENGMEDNEWS (bimonthly newsletter) : Dr Shruti Jain, Member# L1095 for 2019-21 session
- 10.“Nation Builder Award” on the occasion of Teacher’s Day / International Literary Day by Rotary Club Shimla, September 2018.
- 11.Certificate of Appreciation for mentoring project submitted to Texas Instruments Innovation Challenge India Design Contest 2015.
- 12.Certificate of Appreciation for mentoring project submitted to Envision: the Product Design Competition held during Entrepreneurship Summit 2009.
- 13.Certificate of Appreciation for mentoring project submitted to Himachal Tourism entitled “ Himglancer – A Tourism Oriented Map Application”.

Ph.D. Students Supervised :

S.No	Name of Student	Title	University
1.	Mr. Ritendra Mishra	Energy Harvesting Using Piezoelectric	Jaypee University of Information

	(126003) Jan 21, 2017 JUIT/WKG/2016-17/012	Elements to Power Microelectronic Devices http://shodhganga.inflibnet.ac.in/handle/10603/165981	Technology, Solan
2.	Ms. Jyotsna Dogra (166004) June 09, 2020	An Automatic Glioma Detection and Extraction Framework for the Removal of Shrinkage in Segmentation https://shodhganga.inflibnet.ac.in/handle/10603/304121	Jaypee University of Information Technology, Himachal Pradesh, India http://www.ir.juit.ac.in:8080/jspui/handle/123456789/23852
3.	Mr. Raj Kumar (41400103) June 27, 2020 LPU/DE/DOR/EC/200718/0002/1E96/14/0001	Design & Analysis of a Novel Hybrid 8x8 Bit Multiply and Accumulate (MAC) Architecture using Clock Gating Scheme for Pipelined Processing	Lovely Professional University, Ludhiana
4	Ms. Charu Bhardwaj (176005) November 19, 2020 JUIT/WKG/2020-21/012	A Computational Framework for Diabetic Retinopathy severity grading categorization using Ophthalmic Image Processing https://shodhganga.inflibnet.ac.in/handle/10603/308275	Jaypee University of Information Technology, Himachal Pradesh, India http://www.ir.juit.ac.in:8080/jspui/handle/123456789/23862
5	Ms Kirti (176006) November 23, 2020 JUIT/WKG/2020-21/013	A Low Power Wearable Electrocardiogram module for Heart rate Variability Classification System https://shodhganga.inflibnet.ac.in/handle/10603/308269	Jaypee University of Information Technology, Himachal Pradesh, India http://122.252.232.85:8080/jspui/handle/123456789/23861
6	Mr. Navdeep Prashar (166005) December 29, 2020 JUIT/WKG/2020-21/017	Electrocardiogram Analysis for Robust Optimal Thresholding System Design	Jaypee University of Information Technology, Himachal Pradesh, India http://www.ir.juit.ac.in:8080/jspui/handle/123456789/23867

Ph.D. Students Supervising :

No	Name of Student	Title	University
1	Ms. Garima July 2019	Reconfigurable Computing	Jaypee University of Information Technology, Himachal Pradesh, India
2	Ms. Himani Bhardwaj Sep 2020	Low power VLSI Design	Jaypee University of Information Technology, Himachal Pradesh, India
3	Ms. Anupama Aug 2021	Image Fusion	Jaypee University of Information Technology
4	Ms. Shivani Aug 2021	Text Classification	Jaypee University of Information Technology

Postgraduate Students Supervised :

No.	Name of Student	Title
1	Shilpa Kaushal	Evaluation of Empirical Wavelet Transforms For Glaucoma Detection Using

	(162004)	Fundus Images
2	Garima Thakur (162005)	High Speed Radix-2 Butterfly Structure Using Novel Wallace Multiplier
3	Mr Amandeep (152012)	Classification of Lung Carcinoma using Texture Features of Ultrasound Images
4	Ms. Shreya Sharma (152013)	Support Vector Machine Based Texture Feature Extraction Technique for Classification of Breast Cancer from Ultrasound Images
5	Ms. Radhika (152016)	FPGA Implementation of Arithmetic Operations Using Quaternary Signed Digit
6	Mr. SahilBhusri (142003)	Classification of Breast Lesions for two class using Feature Extraction Techniques.
7	Ms. Shailija Rana (142007)	Analysis and Classification of kidney FOCAL Lesion.
8	Mr Manjeet Singh (132007)	FPGA implementation of High Speed Hybrid CMOS Full adder circuits for Low Power VLSI Design
9	Mr. Sandeep Yadav (112007)	FPGA Implementation of Low Complexity Decoder using LPDC Codes
10	Ms. Suruchi Singh (112016)	Design of Instrumentation amplifier usingOperational Transconductance Amplifier and Current Differencing Transconductance Amplifier
11	Mr. Lokesh Kumar (10201)	Design and Implementation of Power Efficient ReconfigurableFixed Width Baugh- Wooley Multiplier and its Application
12	MrHanish Sharma (6594)	Activities of E-Governance in Himachal Pradesh Department of Transport
13	Mr Shantanu Sharma (6564)	Implementation of High Security Vehicles Registration Scheme (Government of Himachal Pradesh)

Undergraduate Projects Supervised :

Year	Name of Student	Title
2021 (Odd Sem)	Vinayak Tiku (181005)	Detection of Diabetic Retinopathy using Digital Image Processing
2021 (Even Sem)	Kshitij (181017)	Diagnostic System for Detection of Epilepsy Using Machine Learning
2020-21	Sanket Saxena (171008) Shivam Sinha (171019)	Deep learning-based severity prediction for Diabetic Retinopathy
2020-21	Bandana Pal (171057) Surya Mahajan (171060)	Detection of Cerebrovascular Diseases Employing Novel Fusion Technique
2019-20	Sanket Saxena (171008) Shivam Sinha (171019)	Computer Aided Diagnostic System for Diabetic Retinopathy Based on Fundus Images using Deep Neural Network
2019-20	Bandana Pal (171057) Surya Mahajan (171060)	Implementation and Analysis of a Hybrid Fusion Technique for Biomedical Applications
2019-20	Garima Malhotra (161027) Kushagra Srivastava (161033) Manthan Chauhan (161117)	Liver Cancer Detection and Classification Based on Optimum Feature Fusion
2019-20	Manasvi Kashyap (161024) Shailu Srivastava (161045) Mohit Garg (161007)	Design of Optimum Finite Impulse Response Digital Filters using Lab View

2018-19	Anish Vijan (151005) Mohit Sachdeva (151015) Parth Dubey (151065)	Comparative Analysis of Various Image Fusion Techniques on Multi-sensor and Medical Images
2018-19	Krittika Tewari (151087) ShriyaVandita (151092)	Predictive Modeling to Predict Absenteeism in MNC's
2017-18	Srijan Thakur (141061)	Theoretical Computational and Experimental Study of Operational Amplifier
2017-18	Ashish Saini (141045) Aditya Raj(141051) Nitesh Kumar (141099)	ECG Signal Analysis for Arrhythmia using Back Propagation Neural Network Algorithm
2016-17	Mansi Kathuria(131050) Ossein Sharma(131080) Kaushik Raj Singh(131086)	Design of Energy Harvesting Prototypes from Waste heat of Home Chimney using Thermoelectric Generators
2016-17	Shubham Gupta (131079) Akansha Maheshwari (131102)	VLSI Implementation of Adder Circuits Using Quaternary Signed Digit
2016-17	Priya Verma (131091) Nikita Bansal (131096) Kanika Thakur (131099)	FPGA implementation and CAD system of Electrocardiography for bipolar leads using Haar wavelet transformation
2015-16	Shwetaanjali (121087) Ambesh (121088) Akankha Dhiman (121100)	Hardware Optimization & CAD system of an Electrocardiograph Circuit for Lead II
2015-16	Palak (121001) AkshayKataria (121004) Abhilasha Chaudhry (121006)	Utilization of Exhaust heat from automotive using Thermopile
2015-2016	Shruti Patial (121024) Aditi Prabha (121025) Dhruv Raj Singh (121027)	FPGA Implementation of a AM/FM
2015-2016	Paras Goyal (121002) Sachin Arora (121023) Dalchand (121046)	Design and simulation of membership functions for fuzzification module of fuzzy system
2014-2015	Aastha Afsar (111007) Rohit Chauhan (111028) Somya Verma (111128)	Energy Harvesting Using Thermoelectric Materials
2014-2015	Deepali (111001) Naman Patel (111027) Aditya Gupta (111131)	Design of Digital Circuits Based on Reversible Logic
2013-2014	Bhavya Wadhwa (101001) Rishabh Sachdeva (101010) Ubher Khurana (101039)	Trans-conductance Amplifiers
2012-2013	Kunal Dutt (091082) Hemank Mehta (091111) Naina Agarwal (091112)	VLSI Implementation of CurrentFeedback Operational Amplifier and Operational Trans-conductance Amplifier.
2012-2013	Ankur Agrawal (091004) Abhimanyu Gupta (091006) Arpit Kuthiala (091011)	Implementation of CMOS Current Feedback Miller Compensated Operational Amplifier.
2011-2012	Mayank (081058) Akshay (081061) Dinesh (081129)	Fire Fighting Robot
2011-2012	JatinPahadia (081038) KshitizVaish (081104)	Digital Implementation of Software Defined Radio Subsystem.

	Nalin Yadav (081120)	
2009-2010	Aditya Bhansali(061011) Ayush Gupta (061040) Swati Bhargava (061131)	Design of a Low Voltage High Performance Current Feedback Operational Amplifier using CMOS.
2009-2010	Abhishek Thakur (061009) Piyush Kumar Sharma(061092) Satish Pankaj (061117)	Automatic Dipper Control
2009-2010	Shivam Rastogi (061123) Shweta Tiwari (061125) Anshika Chaudhary (061604)	Current Differencing Trans-conductance Amplifiers and their Applications.
2008-2009	Ekta Patityal (051005) Pratik Gupta (051020) Yukti Kanwar (051011)	Fingerprint Authentication System
2008-2009	Vikash Kumar(051034) Ankit Dabda (051036) Mukul Jain(051043) Kompal Gupta (051117)	HIMGLANCER: A Software Application for Tourism Industry

On-Campus Committees / Duties

Year	Duties	Notice Number
2021	Chairperson, e-Governance Committee, JUIT	JUITW/WKG/REGR/2021-22/215
2021	Committee for proposal of PURSUE scheme 2021 under DST	JUITW/WKG/REGR/2021-22/004
2021	Member of University Level Committee	JUITW/WKG/REGR/2021-22/137
2021	IEEE JUIT Student Branch Counselor	JUITW/WKG/REGR/2021-22/045
2020-21	Covid Help Group Member	JUITW/WKG/REGR/2020-21/0813
2020-21	Member: Technical Sciences, Movies and Photography Club	JUITW/WKG/REGR/2020-21/0771
2020-22	Anti ragging Squad	JUITW/WKG/REGR/2021-22/105 JUITW/WKG/REGR/2020-21/0697
2020-21	DEEKSHARAMB, Student Induction Program, UGC	JUITW/WKG/REGR/2020-21/0239
2020-21	Member Secretary, IPR Cell JUIT, Solan	JUITW/WKG/REGR/2020-21/031
Oct 2016- Present	Co-coordinator of IPR cell, JUIT, Wagnaghat, INDIA.	http://www.juit.ac.in/ipr/IPR%20Team.pdf

2020-22	Member, Fit India Club, JUIT, as part of Fit India Campaign	JUITW/WKG/REGR/2020-21 JUITW/WKG/REGR/2021-22/027 (July 26, 2021)
2019-20	Member : Exam Conduct Committee	JUITW/WKG/REGR/2019-20/872
2019-20	Member: JYC 2019-20 Club / Committee Interview	JUITW/WKG/JYC/2019-20/014
2019-20	Member: Diksha Event	JUITW/WKG/REGR/2019-20/0371
2019-20	Member: Technical Club, Photography Club and Movie Club	JUITW/WKG/REGR/2019-20/020 JUITW/WKG/JYC/2019-20/016
2019-20	Registration duty (17-21 July, 2019) (8-11 Jan , 2020)	JUITW/WKG/REGR/2019-20/ JUITW/WKG/REGR/2019-20/673
2019-20	Member: Disciplinary Committee	JUITW/WKG/REGR/2018-19/798
June 03, 2019	Board of Office bearers for Stock Verification, Learning Resource Centre	JUITW/WKG/REGR/2018-19/792
2019- Present	Chairperson, University Time Table Committee, JUIT, Wagnaghat, INDIA.	JUIT/WKG/REGR/2020-21/0739 JUIT/WKG/REGR/2018-19/443
September 2018- Present	Presiding Officer, Complaint against Caste based Discrimination	JUITW/WKG/REGR/2021-22/034 July 29, 2021 JUITW/WKG/REGR/2020-21/0228 Sep 14, 2020 JUITW/WKG/REGR/2019-20/128 Sep 27, 2019 JUITW/WKG/REGR/2018-19/097 Sep 26, 2018
2018-19	Faculty Coordinator - JYC Event Club	JUITW/WKG/REGR/2018-19/213
July 2018- Present	Presiding Officer, Internal Complaint Committee for Prevention, Prohibition and Redressal of Sexual Harassment of Women Employees and Students.	JUITW/WKG/REGR/2021-22/035 July 29, 2021 JUITW/WKG/REGR/2020-21/0227 Sep 12, 2020 JUITW/WKG/REGR/2019-20/016 July 16, 2019 JUITW/WKG/REGR/2018-19/026 July 23, 2018
July 2018- Present	Coordinator/ Member Secretary, Board of Studies, ECE Department, JUIT	JUITW/WKG/REGR/2018-19/444 JUITW/WKG/REGR/2018-19/480
2018-Present	Chairman, Rotract Club, from JUIT	
March 2018- Present	Member of Student Counseling Center, JUIT	JUITW/WKG/REGR/2021-22/151 dtd Oct 16, 2021 JUITW/WKG/REGR/2020-21/0939 dtd April 05, 2021 JUITW/WKG/REGR/2018-19/608 Dtd June 14, 2019 JUITW/WKG/REGR/2017-18/502 dtd March 31, 2018
2017-18	Faculty Coordinator - JYC Technical Club	

	Chairman, Muriuos XII	
Aug 2, 2017- Present	Member of Enquiry Committee, JUIT, Wagnaghat, INDIA	JUITW/WKG/REGR/2017-18/055
June 2016- Present	Member of Unfair Means Committee, JUIT, Wagnaghat, INDIA.	
Sept 2015- Present	Member of Flying Squad for Examination, JUIT, Wagnaghat, INDIA.	
July 2015- June 2017	Technical Coordinator of JYC, JUIT, Wagnaghat, INDIA.	
July 5-7, 2018 July 04, 2017 July 18, 2016	Counseling duty, JUIT, Wagnaghat, INDIA.	
March 2015- Dec 2018 June 2012- Dec 2013	Member University Time Table Committee, JUIT, Wagnaghat, INDIA.	
Feb 2015- Present	Member of committee to receive complaints against sexual harassment	JUIT/WKG/REGR/2017-18/712 JUITW/WKG/REGR/2016-17/074 dtd August 11, 2016 JUIT/WKG/REGR/2015-16/015 JUIT/WKG/REGR/2014-15/0351
July 25, 2014	Member Mentoring System and Orientation Program	
2012	Member of Academic Council, JUIT, Wagnaghat, INDIA.	JUIT/2012-13/ACDC/0118
2012-Present	Member of Ph.D. (DPMC), of Department of ECE, CSE and BI, JUIT, Wagnaghat, INDIA.	

Department Committees

Year	Duties	Notice Number
2021	Coordinator Course Enrichment and Quality Enhancement Committee	JUIT/WKG/ECE/2020-21/042
2020	Chairman of Task force ECE Deptt	JUIT/WKG/ECE/2020-21/035
2020	Chairman of Planning Committee	JUIT/WKG/ECE/2020-21/033
2020	Chairman of High Level Committee on Starting of New Programs	JUIT/WKG/ECE/2020-21/029
2020-21	PhD entrance exam Question paper	JUIT/WKG/ECE/2019-20/06
2020-21	PGET entrance exam Question paper	JUIT/WKG/ECE/2019-20/05
2019-20	6 weeks In-house Summer Training Coordinator	JUIT/WKG/ECE/2019-20/055
2019-20	CO-PO Coordinator	JUIT/WKG/ECE/2019-20/031
2019	PhD Entrance Exam	JUITW/WKG/ECE/2018-19/025
2019	M-Tech Coordinator (PGET 2019)	JUITW/WKG/ECE/2018-19/026
2019	Electronics Lab Overall In charge	JUITW/WKG/ECE/2018-19/012

		http://www.juit.ac.in/department/electronics/impfiles/Faculty-in-ChargeECE.pdf
2018	NBA Coordinator	
2018-Present	Coordinator ECE Proficiency Degree	
2017- Present	Chairman, Signal Processing and VLSI Design Group	http://www.juit.ac.in/research-groups-ece
2017- Present	Faculty Counselor of Final Year ECE Students	http://www.juit.ac.in/student-counsellor-academically-weak-students-ece
Aug 11, 2017- Present	Member of Departmental Consultative Committee for Final year students and M-Tech	
2017-Present	Modernization of Labs Committee	http://www.juit.ac.in/modernization-labs-committee-ece
June 2016- Present	Member of Academically Weak Students of ECE Deptt.	http://www.juit.ac.in/student-counsellor-academically-weak-students-ece
2016-Present	Member of Departmental Consultative Committee	
2016-Present	Entrepreneur Ship Committee	http://www.juit.ac.in/entrepreneur-ship-committee-ece
2016-18	Program Evaluation Committee	http://www.juit.ac.in/program-evaluation-committee-ece
2016-18	Program Curriculum Committee	http://www.juit.ac.in/program-curriculum-committee-ece
2016-17	AISHE Coordinator	
2016-2017	Faculty Counselor of Third Year ECE Students	
Oct 2015 – Present	Collection of Feedback forms	
Sept 2015- July 2017	Coordinator M-Tech Projects, JUIT, Wagnaghat, INDIA	
Dec 2014 – July 2017	Load Distribution of Department	
2012-Present	Member of M.Tech, Presentations of Department of ECE, JUIT, Wagnaghat, INDIA.	
2011, 2018	Coordinator of NAAC visit, Department of ECE, JUIT, Wagnaghat, INDIA.	
2009-Present	Member of Board of Studies, Department of ECE, JUIT, Wagnaghat, INDIA.	http://www.juit.ac.in/board-studies-ece
2008-Present	Member of B.Tech, Presentations of Department of ECE, JUIT, Wagnaghat, INDIA.	

COURSES/ LAB MANUALS DEVELOPED

1	Biomedical Imaging System	JUIT/WKG/ECE/2021-22/009
2	Low Power CMOS VLSI Circuit Design, PhD course, JUIT Solan	

3	Designed VLSI Technology Lab, Lab manual, JUIT, Solan	
4	Introduction to Machine Learning, Professional Course, JUIT Solan	JUIT/WKG/ECE/2019-20/045
5	Reconfigurable Computing, PhD course, JUIT Solan	JUIT/WKG/ECE/2019-20/003
6	Applied Medical Signal Processing, Professional Course, JUIT Solan	JUIT/WKG/ECE/2018-19/014
7	Wavelets and Applications, Elective, JUIT, Solan	JUIT/WKG/ECE/2018-19/014
8	Digital Signal Processing for VLSI	
9	Digital Systems, Professional Course, JUIT Solan	JUIT/WKG/ECE/2018-19/013
10	Digital System Design Lab, 3 rd Sem, ECE JUIT	JUIT/WKG/ECE/2018-19/013
11	VLSI In Biomedical Signal processing	
12	Bioelectronics Sensors, Elective Final year, JUIT, Solan	
13	CMOS Analog Circuit Design, Elective Final year, JUIT, Solan	
14	Electrical Science, 2nd semester, JUIT, Solan	
15	Digital Electronics & Logic Design, ECE, JUIT, Solan	
16	Linear Integrated Circuits, 5th Semester, ECE, JUIT, Solan	
17	Designed Communication Systems Labmanual, JUIT, Solan	
18	Designed Digital Electronics Lab manual, JUIT, Solan	
19	Designed Analog Electronics Lab manual, JUIT, Solan	

Thesis Evaluated:

- 1) PhD thesis entitled “**Performance Improvement In Signal Conditioning Circuitry For Bioimpedance Sensors Using MOS Technology**” University of Pune by *Dnyandeo K. Shedge*, under the guidance of Dr. P. W. Wani and Dr. M. S. Sutaone, August 2014.
- 2) PhD thesis entitled “**Fuzzy C Means and Enhanced Support Vector Machine Cluster based Efficient and Safe Routing with Certificate Revocation in Mobile Adhoc Networks**” E.G.SPillay Engineering College, Nagapattinam, by *Shajan Joseph* under the guidance of Dr.A.Rajaram (Department of Electronics &Communication Engineering), November 2016.
- 3) PhD thesis entitled “**Efficient Stable Channel Allocation With Fault Tolerant Enhanced Query Arising In Mobile AdhocNetworks** ” E.G.S Pillay Engineering College, Nagapattinam, by *S. Kannan* under the guidance of Dr. A. Rajaram (Department of Electronics & Communication Engineering), November 2016.
- 4) M.Tech. Thesis entitled “**Design and Implementation of Mathematical Computational unit using Reconfigurable Hardware**”, by *Krishan Deep Gupta* under guidance of Prof. Sayed JavedArif and Dr. Mohd. Wajid (Department of Electronics Engineering, ZHCET, Aligarh Muslim University, Aligarh, India. November 2019.
- 5) PhD thesis entitled “**A Modified Brain Storm Optimization Approach for Performance Estimation of Multi Carrier-Cdma System in Frequency Selective Fading Channel**”, Mr. T. Dinesh Kumar , of Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur, Kanchipuram 631561

Keynote Speaker :

- 1) “Synthetic Biology : Towards Digital Circuits”,8th World Gene Convention-2017 in Macao, China during November 13-15, 2017
- 2) “Computational Modeling of Apoptosis using VHDL and Bio circuits”, First Sustainable Solutions for Growth conference (SSG) 2018 in Wroclaw (Poland) during September 17-18, 2018.
- 3) “A System Model of Apoptosis and Survival Signaling”, 2nd International Biotechnology Congress (IBC-2018) in Fukuoka, Japan during October 14-16, 2018.

- 4) "Computational model using cumulative distribution function for receptors of survival proteins", 9th World Gene Convention-2018 in Singapore during November 13-15, 2018.
- 5) "An image feature selection approach for dimensionality reduction based on SVM for FKHR proteins", International Conference on PharmScience Research & Development at Paris, France on March 04-06, 2019.
- 6) "BiCMOS Implementation of Cell Signaling for Cell Survival/Death", Tissue Engineering & Regenerative Medicine Conference with the theme Novel Perspectives on Tissue Engineering, April 17-18, 2019 at Tokyo, Japan
- 7) "Fuzzy Logic Implementation of Cell Signaling for Cell survival/ Death", The 10th Anniversary World DNA Day-2019 (WDD-2019), "Innovation, Upgrade, Prolongation, Sustainability", April 25-27, 2019, Nanjing, China.
- 8) "Emerging Trends and Advanced Technologies in Engineering", Future Advancements in Mobile Cloud Computing and Applications, October 23-24, 2019, Toronto, Canada.
- 9) "Next Generation Technology: Artificial Intelligence in Healthcare and Cyber Intelligent Systems", 2019 Second International Conference on Mechanical Engineering and Materials (ICMEM2019), Guangzhou, China, December 20-21, 2019.

Resource Person:

1. Resource Person in 10 days Induction Program of First year students at Jaypee University of Information Technology, Wagnaghat. September 01-10, 2021.
2. Resource Person in one week Orientation Induction Program of Faculty at Jaypee University of Information Technology, Wagnaghat vide JUIT/WKG/REGR/ 2021-22/016 on July 13, 2021.
3. Resource Person in one day Orientation Induction Program of Faculty at Jaypee University of Information Technology, Wagnaghat vide JUIT/WKG/REGR/ 2020-21/0234 on Sep 19, 2020.
4. Resource Person in eight days Orientation Induction Program of Faculty at Jaypee University of Information Technology, Wagnaghat from Sep 01-08, 2020
5. Resource Person and Coordinator for visit to Advance Studies in 15 days Induction Program of First year students at Jaypee University of Information Technology, Wagnaghat. July 18- Aug 03, 2019
6. Resource Person in one week Orientation Induction Program of Faculty at Jaypee University of Information Technology, Wagnaghat. August 06-11, 2018 vide JUIT/WKG/REGR/ 2018-19/031
7. Resource Person and Coordinator for visit to Advance Studies in 15 days Induction Program of First year students at Jaypee University of Information Technology, Wagnaghat. July 17-31, 2018 vide JUIT/WKG/REGR./ 2017-18/741
8. Resource Person in one day Induction Program of First year students at Jaypee University of Information Technology, Wagnaghat. July 20, 2017 vide JUIT/WKG/REG/ 2017-18/015
9. Resource Person in Induction Program of First year students at Jaypee University of Information Technology, Wagnaghat. July 25-27, 2016.

Guest Lecturer :

Abroad

1. Invited as Speaker in International Women In Engineering COVID 19 Congress 2021 (WIECOV 2021), Aug 21-22, 2021 organized by IEEE Bangladesh Section.
2. Speaker in International Newsletter Editors' Meetup at Bangladesh on September 5th, 2020
3. Panelist speaker : WIE TECH Summit 2020: Exploring Challenges, Opportunities and solutions for WIE during COVID-19, in 2020 International COVID-19 Congress (ICC 2020), Bangladesh, August 9th , 7:00 pm- 9:30 pm
<https://covid-19congress2020.com/women-in-engineering-tech-summit/>

India

1. Delivered Guest lecture on "Bio Medical Signal Processing and Bio Electronic Sensor" in Maharaja Agrasen University, Baddi, Himachal Pradesh, India on December 3, 2015.
2. Delivered Guest lecture on " Bio Electronic Sensor" in GianiZail Singh Campus College of Engineering and Technology (GZS CCET), Maharaj Ranjit Singh Punjab Technical University, Bathinda, Punjab, India on December 5, 2016.

3. Delivered Guest lecture on “ Bio Medical Instrumentation systems” in GianiZail Singh Campus College of Engineering and Technology (GZS CCET), Maharaj Ranjit Singh Punjab Technical University, Bathinda, Punjab, India on January 27, 2017.
4. Delivered Guest lecture on “Two Class Classification of Breast Lesions using Statistical and Transform Domain features” in Chandigarh Engineering College, Landran, Sector-112, Greater Mohali, Punjab-140307, India on May 15, 2017.
5. Delivered Guest lecture on “Two Class Classification of Lung Cancer using different feature extraction techniques” in Chandigarh Engineering College, Landran, Sector-112, Greater Mohali, Punjab-140307, India on August 24, 2017.
6. Delivered Guest lecture on “Compedium model using frequency / cumulative distribution function for receptors of survival proteins: Epidermal growth factor and insulin” in GianiZail Singh Campus College of Engineering and Technology (GZS CCET), Maharaj Ranjit Singh Punjab Technical University, Bathinda, Punjab, India on August 29, 2017.
7. Delivered Guest lecture on “Implementation of fuzzy system using different voltages of OTA for JNK pathway leading to cell survival/ death” in GianiZail Singh Campus College of Engineering and Technology (GZS CCET), Maharaj Ranjit Singh Punjab Technical University, Bathinda, Punjab, India on October 31, 2017.
8. Delivered Guest lecture on “Detection of Arrhythmia using Automatic Differentiation Method” in GianiZail Singh Campus College of Engineering and Technology (GZS CCET), Maharaj Ranjit Singh Punjab Technical University, Bathinda, Punjab, India on October 03, 2018.
9. Delivered Guest lecture on “Standard Multiple Regression Analysis Model for Cell Survival/ Death Decision of JNK Protein using HT-29 Carcinoma Cells” in University Institute of Engineering and Technology(UIET) Kurukshetra, India on February 01, 2019.
10. Resource Person in STC on Recent Advances in Image and Signal Processing (RASSIP 2019) at Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, from July 24-28, 2019.
11. Delivered Guest Lecture on “Recent Trends in Biomedical Signal Processing and VLSI Design”, Department of Electronics Engineering, ZHCET, Aligarh Muslim University, Aligrah, India under TEQIP-III, November 01, 2019.
<https://www.amu.ac.in/newdata/eventheld/11206.jpg>
12. Delivered lecture on “Advances and Future Trends in Image Processing” in FDP Deep Learning for Image Processing: Overview, Challenges and Future” conducted by NITTTR, Chandigarh, AICTE sponsored at Jaypee University of Information Technology, Wagnaghat during Feb 24-28, 2020.
13. Delivered Lecture on “Futuristic Trends and Challenges in Biomedical Image Processing in STP “Recent Advances in Computational Intelligence for Signal Processing (RACISP - 2020)” from Aug 10-15,2020 organized by Department of ECE, JUIT, Solan, India
14. Delivered Lecture on “Smart Computational Intelligence in Health Informatics”, One Week Faculty Development Program on Computational Intelligence Techniques for Machine Learning on dated 31st August to 5th September 2020 organized by Department of CSE & IT, JUIT, Solan, India
15. Delivered Lecture on “Recent Advances in Computational Intelligence for Signal Processing”, AICTE sponsored One Week National Level Online Faculty Development Program on “Research Areas in Bio-Medical Signal Processing” dated Dec 14-19, 2020 organized by Sri Vasavi Engineering College, Tadepalligudem.
16. 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” , dated 21st -26th June 2021, organized by Department of Electronics & Communication Engineering, Sri Vasavi Engineering Colege, Tadepalligudem, West Godavari.
17. Delivered lecture on “Technological insights on artificial intelligence and deep learning” on Sept 09, 2021 in Five Days Faculty Development Program (Online) on Innovative Research & Development Trends in Electronics & Communication Engineering from Sept 6 -10, 2021, organized by the Department of Electronics & Communication Engineering, G.L. Bajaj Institute of Technology & Management, Greater Noida, U.P, India
18. Delivered lecture on " Toward design technology: trends, issues, and challenges" on Nov 23, 2021 in in Five days AICTE sponsored Short Term Training Program (STTP) on Emerging Issues of VLSI Design from Nov 22-26, 2021, organized by Department of Electronics & Communication Engineering, School of Engineering & Technology ITM University Gwalior.
19. Delivered lecture on" Wearable Technology in Healthcare" on Jan 21, 2022 in six days AICTE-ISTE refresher online program on Technology Driven Health care systems from Jan 18-22,2022, organized by Department of Electronics & Communication Engineering, Jawaharlal College of Engineering and Technology Jawahar Gardens, Ottapalam, Kerala.

Session Chair :

1. 2013 IEEE International Conference on signal processing and control (ISPCC 2013), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, September 26-28, 2013.
2. International Conference on “Emerging Trends in Science and Technology”, Sri Satya Sai University of Technology and Medical Sciences, Sehore (Bhopal) M.P, India, August 22-23, 2014.
3. International Conference on “Applied Science and Engineering”, Advance Research and Educational Services, Bhopal M.P. India in association with The Institution of Electronics and Telecommunication Engineers, Bhopal Center, Bhopal ,October 19, 2014.
4. International Conference on Recent Cognizance in Wireless Communication & Image Processing (ICRCWIP-2014), Poornima Institute of Engineering &Technology , Jaipur, Jan 16-17 ,2015.
5. 2015 IEEE International Conference on Signal Processing and Control (ISPCC 2015), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, September 24-26, 2015.
6. 10th INDIACom: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 16th – 18th, 2016.
7. 11th INDIACom: 4th 2017 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 1-3, 2017.
8. 4th IEEE International Conference on signal processing and control (ISPCC 2017), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, September 21-23, 2017.
9. International Conference on Futuristic Trends in Network and Communication Technologies (FTNCT-2018), Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Solan-173234, Himachal Pradesh, INDIA, 9-10th February, 2018.
<http://www.juit.ac.in/ftnct-2018/css.php>
10. 12th INDIACom: 5th 2018 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 14th-16th, 2018.
<http://www.bvicam.ac.in/indiacom/splSessionDetails.asp?sessionRequestID=652>
11. International Conference on Advanced Informatics for Computing Research (ICAICR-2018), Shimla, July 14-15, 2018.
<http://informaticsindia.co.in/SpecialSession-04.html>
12. 4th International Conference on Cyber Security and privacy in communication networks (ICCS) 2018, Jaipur (Rajasthan) India, October 26-27, 2018
<http://iccs2018.iaasse.org/international-conference-on-cyber-security-special-sessions>
13. Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC) , Jaypee University of Information technology, Wagnaghat, Solan, H.P, India. Dec 20-22, 2018.
14. Special Session on “Emerging Trends and Advanced Technologies in Engineering”, International Conference on Sustainable Computing in Science, Technology & Management (SUSCOM-2019), Amity University Rajasthan, Jaipur, India , February 26 - 28, 2019.
http://www.suscom.org.in/Special%20Sessions/SS_13%20Emerging%20Trends%20and%20Advanced%20Technologies%20in%20Engineering.pdf
<http://www.suscom.org.in/Special%20Session.html>
15. Special Session on "Recent Research Trends Using Big Data Analysis and Soft Computing", International Conference on Advanced Informatics for Computing Research (ICAICR-2019), Shimla, June 15-16, 2019.
<http://informaticsindia.co.in/SpecialSession-01.html>
16. Special Issue on “Recent Research in Computational Intelligence Paradigms”, International Conference on Emerging Trends in Information Technology- 2019 (ICETIT 2019), Institute of Information Technology and Management, Janakpuri, Delhi, June 21-22, 2019.
http://iitmjanakpuri-sdc.com/icetit2019/special/ICETIT-2019_Meenakshi.pdf
18. 5th IEEE International Conference on signal processing and control (ISPCC 2k19), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, October 10-12, 2019.
19. The 3rd International Conference on Recent Innovations in Computing (ICRIC-2020), 20-21March, 2020, Central University of Jammu, J & K.
20. IEEE International Conference on Computational PerformanceEvaluation (ComPE) North - Eastern Hill University, Shillong, Meghalaya, India, Jul 2-4, 2020.
21. 1st International Conference ion Mobile Radio Communications and 5G Networks MRCN-2020, U.I.E.T-KUK, July 13-15, 2020 (Springer)

22. 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information Technology, Wagnaghat, India, November 06-08, 2020(online mode)
23. 2nd International Conference on Soft Computing for Intelligent Systems, (SCIS-2020) organized by University Institute of Engineering & Technology Kurukshetra University, Kurukshetra from 24th-25th December 2020(online mode)
24. 4th Edition of International Conference on Communications and Cyber-Physical Engineering CMR Engineering College, Hyderabad, India, April 09-10, 2021.
25. 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)
26. Mobile Radio Communications and 5G Networks, Springer, Singapore, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, June 23-24, 2021(springer)
27. 2021 7th International Conference on Signal Processing and Communication (ICSC), November 25-27, 2021
28. 6th International Conference on Image Information Processing, ICIIP 2021, November 26 - 28, 2021.
29. Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2022), 11-13th February 2022.

CONFERENCES

1. **Conference General Chair Person** of 4th IEEE International Conference on signal processing and control (ISPCC 2017), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, September 21-23, 2017.
http://www.juit.ac.in/ispcc_2017/
http://www.juit.ac.in/ispcc_2017/includes/Organizing%20Committee.pdf
<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8258908>
2. **Conference General Chair Person** of 5th IEEE International Conference on signal processing and control (ISPCC 2k19), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, October 10-12, 2019.
http://www.juit.ac.in/ispcc_2019/index.php
http://www.juit.ac.in/ispcc_2019/org_committee.php
[https://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=2019%205th%20International%20Conference%20on%20Signal%20Processing,%20Computing%20and%20Control%20\(ISPCC\)%20](https://ieeexplore.ieee.org/search/searchresult.jsp?newsearch=true&queryText=2019%205th%20International%20Conference%20on%20Signal%20Processing,%20Computing%20and%20Control%20(ISPCC)%20)
3. **Conference General Chair** :1st International Conference in Mobile Radio Communications and 5G Networks MRCN-2020, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, July 13-15, 2020 (Springer) (online mode)
<https://www.uietkuk.ac.in/mrcn/>
4. **Conference General Chair** :2nd International Conference Soft Computing for Intelligent Systems (ICSCIS 2020) is approved by editorial board. Will publish in the proceedings of book series “Algorithms for Intelligent Systems”, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, Dec 24-25, 2020 (Springer) (online mode)
<https://uietkuk.ac.in/scis2020/>
5. **Conference General Chair** : 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)
6. **Conference General Chair** : International Conference in Mobile Radio Communications and 5G Networks MRCN-2021, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, June 23-24, 2021 (Springer)
<http://tpouiet.epizy.com/>
7. **Conference Secretary** of 6th IEEE International Conference on signal processing and control (ISPCC 2k21), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, October 07-09, 2021.
http://www.juit.ac.in/ispcc_2021/index.php
http://www.juit.ac.in/ispcc_2021/org_committee.php

CONVENER FDP / SEMINARS/ WORKSHOPS/TRAINING/VISITS

Six weeks

1. Coordinator six weeks in house B-Tech 3rd year training from May 20, 2020- June 30, 2020, at Jaypee University of Information Technology, Himachal Pradesh, India vide letter no JUIT/WKG/REGR/2019-20/055

Four Weeks

1. Organised UI/UX & Web Development Bootcamp Technical Sciences, by Movies and Photography Club of JUIT Youth Club from Jan 5-24, 2022.
2. Organised 'Ideathon 2021', Blue Jeans, Go Green by DRISHTI: IEEE-SIGHT (JUIT-SB) in collaboration with IEEE Delhi section from November 27-December 28, 2021
3. Organized four weeks Lab staff training from May 27-June 22, 2019 at Jaypee University of Information Technology, Himachal Pradesh, India vide letter no JUIT/WKG/REGR/2018-19/477

Ten days

1. Organized "e-poster design", competition on My Vision of India 2025 from Oct 06-16, 2021 by ICC and Caste based Discrimination Committee, JUIT, Solan.
<https://www.juit.ac.in/committeesjuit/Reportofepostercontest6thoctto16thOct2021.pdf>
2. Convener of 10 days FDP "Emerging Trends in VLSI and Communication (ETVC 2018)", from June 09-18, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/FDPonEmergingTrendsinVLSIandcommunication.php>

One week

1. Organized "essay writing competition" on Women in Innovation and Engineering" from 7th November to 13th November 2021 by IEEE WIE JUIT SB.
2. Organized Research and Innovation Showcase (RAISE) from March 20 - 25, 2021, IPR Cell, JUIT, Solan.
3. Organized one week workshop "Women innovation and IPR" from March 08-13, 2021, IPR Cell, JUIT, Solan.
4. Organized "e-essay competition", from Feb 22-27, 2021 by Caste based Discrimination Committee, JUIT, Solan.
5. Organized Let's skill up: Graphic Designing and Android Development by Rtr. Vatsal Singh, Rtr. Dev Tyagi from Aug 20-28, 2020 via online mode.
6. Organized Logo designing competition of Rotaract club, Wagnaghat from June 14-21, 2020 via online mode.
7. Convener of one weekworkshop "Emerging areas of Research in Image Processing" (ERIP 2020)" from Jan 06-12, 2020, by Signal and Image Processing Group, Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/ERIP-2020.php>
8. Convener of One week workshop on Machine Learning from Nov 18-24, 2019 by Technical Club, Jaypee University of Information Technology, Himachal Pradesh, India.
9. Convener of One week Workshop on Web Development from Nov 06-11, 2019by Technical Club, Jaypee University of Information Technology, Himachal Pradesh, India.
10. Convener of one week workshop "Boot Camp on C" from Sept 16-22, 2019 by Technical Club, Jaypee University of Information Technology, Himachal Pradesh, India.
11. Convener of one week FDP "Recent Trends on Machine Learning for Signal Processing (RTMLS)" from May 20-25, 2019 at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/FDPonRTMLS2019.php>
12. Convener of one week workshop on "Emerging Trends and Applications of Machine Learning" from May 20-25, 2019 at Jaypee University of Information Technology, Himachal Pradesh, India.
13. Convener of one week workshop " Recent Trends in Electronics and Communication Fields, from June 11-17, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.

Five days

1. Organised 'Upcycle Denim' by DRISHTI: IEEE-SIGHT (JUIT-SB) in collaboration with Rotaract Club of Waknaghat from Dec 07-11, 2021
2. Organized State of the Arts by Rotaract club, Waknaghat from December 23-27, 2020
3. Convener in five days Boot Camp on Python from Oct 13-17, 2019, by Technical club, Jaypee University of Information Technology, Himachal Pradesh, India.

Four days

1. Convener in Four days "Graphic Designing Workshop" from Sept 23-26, 2019, by Technical club, Jaypee University of Information Technology, Himachal Pradesh, India.

Three days

1. Organized IEEE WIE event "Minscape 2.0", Nov 19-21, 2021.
2. Organized IEEE Sight event "Revival SIGHT", Oct 8-10, 2021
3. Organized, coordinated, and judged two day Technical Event "R& D expo" in collaboration with IEEE student branch, JUIT and ACM, JUIT on April 30 – May 2, 2021 at Jaypee University of Information Technology, Himachal Pradesh, India in online mode.
4. Organized three day workshop on "*Perception towards IPR*" from February 10-12, 2020, by IPR cell at Jaypee University of Information Technology, Himachal Pradesh, India.
5. Organized Technical Event "*Murious X4*" in collaboration with IEEE student branch, JUIT and ACM, JUIT from February 10 - 12, 2020 at Jaypee University of Information Technology, Himachal Pradesh, India.
6. Organized three day workshop on "*Biomedical Signal Processing in Computer Vision - Techniques and Advancements*" by the experts from AD Instruments, New Delhi from October 10-12, 2019, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/3daysworkshoponBiomedicalSignal.pdf>
7. Organized three day workshop on "*Computational Tools and Techniques for Biomedical Signal Processing- Advances in Biomedical Engineering*" by the experts from Biopac, New Delhi, India from October 10-12, 2019, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/3daysworkshoponComputationalTools.pdf>
8. Organized three day "Institutional visit of M.Sc. Students" of Sambalpur University, Odisha from February 28 to March 2, 2018 in JUIT Waknaghat.
9. Chairperson of Technical Event "*Murious XII*" in collaboration with IEEE student branch, JYC and ACM, JUIT from February 10 - 12, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
10. Organize three days National Symposium on Medical Image Acquisition, Processing & Analysis from November 20 -22, 2017 at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/symposium/oc.html>
11. Organized three day workshop on "*Bio Medical Signal Processing (Wired techniques v/s Wireless techniques)*" by the experts from AD Instruments, New Delhi from September 21–23, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
http://www.juit.ac.in/department/electronics/ad_instr.pdf
12. Organized three day workshop on "*Inquiry-Based Biomedical Signal Processing Laboratory: From Practice to Simulation*" by the experts from Biopac, New Delhi, India from September 21–23, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/electronics/biopac.pdf>
http://www.juit.ac.in/ipr/onedayworshop-IPR_feb27_2017.pdf
13. Organized Technical Event "*Murious XI*" in collaboration with IEEE student branch, JUIT and ACM, JUIT from February 10 - 12, 2017 at Jaypee University of Information Technology, Himachal Pradesh, India.
http://www.juit.ac.in/lrc/hilly/Hilly_Ramblings_Nov16_Feb17.pdf

14. Organized Technical Event “*Murious X*” from January 29 - 31, 2016 at Jaypee University of Information Technology, Himachal Pradesh, India.
15. Organizing Committee member of 4th IEEE International Conference on signal processing and control (ISPCC 2017), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India, September 21-23, 2017.
http://www.juit.ac.in/ispcc_2017/
http://www.juit.ac.in/ispcc_2017/includes/Organizing%20Committee.pdf
16. Organizing Committee member of 2015 IEEE International Conference on signal processing and control (ISPCC 2015), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India, September 24-26, 2015.
http://www.juit.ac.in/ispcc_2015/org_committee.php
<http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=7369479>
17. Organizing Committee member of 2013 IEEE International Conference on signal processing and control (ISPCC 2013), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India, September 26-28, 2013.
http://www.juit.ac.in/ispcc_2013/org_committee.php
18. Organizing Committee member of The International Conference on Signal Processing, computing and control (ISPCC 2012), March 15-17, 2012, JUIT, Solan, India.
http://www.juit.ac.in/ISPCC/org_committee.php

Two days

1. Organized cyber security event *CyberVerse 2021*, on September 11-12, 2021.
2. Organized Technical Event “*Murious X5*” in collaboration with IEEE student branch, JUIT and ACM from April 24-25, 2021 at Jaypee University of Information Technology, Himachal Pradesh, India in online mode.
3. Organizing Committee member/ National Advisory Board member of International Conference on Smart IOT Applications, Pallavi Engineering College, Hyderabad, Telangana, February 2021.
<https://www.icsia.net/national-committee.php>
4. Organizing Committee member/ National Advisory Board member of 4th International Conference on Communication Systems (ICCS-2019)”, Oct 18 & 19, 2019 ,B K Birla Institute of Engineering & Technology (BKBIET)
<http://icocs.in/national.php>
5. Organizing Committee member/ National Advisory Board member of International Conference on Recent Trends in Engineering, Management and Science-2019 (ICRTEMS-2019), September 26 - 27, 2019, Delhi Institute of Technology Management & Research (DITMR), Faridabad, Haryana
<http://icrtems.com/advisory.php>
6. Organizing Committee member of International Conference on Contemporary Engineering Technology and Management (ICCETM-19), RadissonJass, Shimla, May 30- 31, 2019
<http://iccetm.com/organizing-committee.php>
7. Organized two day Workshop on “ Latest EDA tools for electronic circuit design: Xilinx Vivado, HSPICE ”, October 31-November 01, 2018 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wahnaghat, Solan, H.P. in collaboration with CoreEL Technologies, Delhi.
<http://www.juit.ac.in/departement/Electronics/WorkshoponLatestEDATools31-Nov012018.pdf>
8. Organized, coordinated, and Judged two day Technical Event “*R& D expo*” in collaboration with IEEE student branch, JUIT and ACM, JUIT on April 13-14, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
9. Organized two day workshop “*Implementation and Applications of Different Sensors using LabView* ” on November 06 -07, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with National Instruments.
<http://www.juit.ac.in/departement/Electronics/LabVIEW%20reportNov%206-7%202017.pdf>
10. Organized “*Orientation Program for First year Students*”, Aug 11 – 12, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India.

One day

1. Organized IEEE Day, Oct 5, 2021
2. Inaugural Ceremony of “*DRISHTI*” - IEEE SIGHT JUIT, October 01 , 2021
3. Organized, GitHub, HACKTOBERFEST conducted by Digital Ocean, 30th September, 2021
4. Organized CETPA Workshop on Python, September 02, 2021
5. Celebrated Women Equality Day, August 26, 2021, by ICC Committee, JUIT, Solan.

- <https://www.juit.ac.in/committeesjuit/icc/WomenEqualitydayreport.pdf>
6. Celebrated IEEE WIE day on June 24, 2021 at 7:00PM by organized project presentation by girls' students of JUIT, Solan
 7. Organized "Applied Statistics for Data Science" Workshop by Parth Sharma, the Chief Data Scientist at Jasper Coilin Research on 7th May 2021 at 4:00 PM by WIE-IEEE JUIT SB in association with AI probably
 8. Judged a debating competition on the topic "Swami Vivekananda and Hindu Supremacy" on the auspicious occasion of National Youth Day on 12th January 2021 organized by JUIT Youth Club, JUIT, Solan
 9. Organized Pop Quiz on August 2, 2020 at 7 PM
 10. Organized Teacher's Day Tribute on Sept 5, 2020
 11. Organized Aagman (Fresher's) on Sept 5, 2020 at 6:15PM
 12. Organized Rachna on September 19, 2020
 13. Organized one day workshop on "MATLAB 2018b and recent toolbox add-ons" on January 10, 2019 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wanknaghat, Solan, H.P.
 14. Organized one day workshop on "Design and Analysis of a Thermoelectric Generator for Energy Harvesting System from Chullas", in collaboration with HIMCOSTE at Matal&Bakhog Panchayat on December 03, 2018.
 15. Organized one day on "Patent Filing and Geographical Indications of Himachal Pradesh" at Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with Himachal Pradesh Patent Information Centre, Shimla, H.P. (HPPIC) November 30, 2018.
 16. Organized one day workshop on "Recent Research Trends using MATLAB" on September 12, 2018 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wanknaghat, Solan, H.P.
<http://www.juit.ac.in/departement/Electronics/One%20day%20Workshop%20on%20Recent%20Research%20Trends%20Using%20MATLAB%20-%20Sept%202012.%202018.pdf>
 17. Organized one day "Visit at Advanced Studies, Shimla" on July 27, 2018.
 18. Organized one day "Visit at Advanced Studies, Shimla" on July 22, 2018.
 19. Organized Industrial Visit of 3rd year ECE students on April 13, 2018 at CDAC Mohali.
 20. Organized one day workshop on "Internet of Things" in collaboration with CDAC, Mohali under the expert guidance of Ms. Harsimranjeet Kaur and her staff on February 12, 2018 in JUIT Wanknaghat.
 21. Organized one day "Visit to JUIT for St.Lukes, Solan 11th and 12th Medical and Non-Medical students" on November 2, 2017 in JUIT Wanknaghat.
 22. Organized one day workshop "Patent Drafting" on October 13, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with Himachal Pradesh Patent Information Centre, Shimla, H.P. (HPPIC).
<http://www.juit.ac.in/ipr/IPR%20workshop%20noteOct%202013,%202017.pdf>
 23. Organized one day "Visit to JUIT for Pinegrove 11th and 12th Medical and Non-Medical students" on July 29, 2017 in JUIT Wanknaghat.
 24. Organized one day Technical Event "R& D expo" in collaboration with IEEE student branch, JUIT and ACM, JUIT on May 6, 2017 at Jaypee University of Information Technology, Himachal Pradesh, India.
 25. Organized one day workshop "Patent Filing & Geographical Indications" on Feb 27, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with Himachal Pradesh Patent Information Centre, Shimla, H.P. (HPPIC).
 26. Organized one day workshop "Innovation & Intellectual Property Rights" on December 09, 2016, at Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with Himachal Pradesh Patent Information Centre, Shimla, H.P. (HPPIC).
<http://www.juit.ac.in/ipr/workshop9Dec.pdf>
 27. Organized one day workshop "Data Acquisition and Analysis system" on Dec 01, 2016, at Jaypee University of Information Technology, Himachal Pradesh, India.
http://www.juit.ac.in/departement/electronics/onedayworshop-report_ECE.pdf
 28. Organized One day workshop on "VLSI Design using Verilog and FPGA", April 14, 2015, at Jaypee University of Information Technology, Himachal Pradesh, India

DELIVERED WEBINARS :

1. Delivered Webinar on “ENRICHING THE KNOWLEDGE OF BMESI”, on Oct 30, 2021 at 10:00AM to Dr. N.G.P Institute of Technology, Coimbatore

ORGANISED WEBINARS :

1. Organized webinar of *Ms. Kritika Tewari*, Alumni ECE on “Issues and Trends in Contemporary Indian Education” on August 08, 2020 at 11:00AM.
2. Organized webinar of *Ms. Namarat Jain*, counseling Psychologist, TEDx Speaker, Life coach, Founder of Out – a-load, on “Mental Health” on August 08, 2020 at 06:00PM as Rotaract Chairman
3. Organized webinar of *Ms. Tarunam*, Alumni ECE, worked as Network Engineer Ericsson for 3 years, and pursuing Masters degree in Engineering Management from Duke University in the United States on “Design Thinking for Innovation” on August 21, 2020 at 05:00PM.
4. Organized webinar of *Mr Ashish*, Alumni ECE, Adjunct Professor, Illinois Research Climatologist on “Interdisciplinary approaches to improve resiliency at scales for humans and ecosystems to thrive” on Saturday, August 29, 2020 at 9:00AM.
5. Organized webinar of *Mr. Sanjay*, Alumni ECE, Project Manager Infosys Ltd, "An Introduction to AR-VR (Augmented Reality Virtual Reality) and the way transforming the world we live in”, on Saturday, Sept 05, 2020 at 3:00PM.
6. Organized webinar of *Prof. Celia Shahnaz* (Professor, Department of EEE, BUET, Bangladesh) on "Research and Innovation to lead the smart world", Thursday, Sept 10, 2020 at 3:00PM.
7. Organized webinar on “She is Empowered”, on Sep 17, 2020 at 4:00PM by Internal Complaint Committee, JUIT, Solan, H.P., India
8. Organized webinar of *Mr. Gaurav Joshi's* on “Telecom Technologies, their evolution and RF optimization of KPIs”, on Saturday, September 19, 2020 at 10AM(IST)
9. Organized webinar of *Dr. Manjeet Singh* (Doctor, Fortis Hospital) on “HRIDAYAM : My role during a chest pain”, Tuesday, September 29, 2020 at 7:30PM
10. Organized webinar of *Mr. Shubhender Singh* (Embedded Engineer in Continental AG) on “Advanced Driver Assistance Systems (ADAS), Saturday, October 3, 2020 at 11:00 AM.
11. Organized webinar of *Ms. Aastha Afsar* (Team Lead at Stellarix Consultancy Services) on “Edge Computing”, Saturday, October 10, 2020 at 11:00 AM.
12. Organized webinar of *Dr. Aushima Thakur* (Director HR at Philips in Netherlands) on “Women Empowerment”, Caste based discrimination Committee, Saturday, October 17, 2020 at 12:30PM
13. Organized webinar of *Dr. Indranil Saha* (Advocate, Founder – HIINXLEGAL) on “Patents, Innovation & Start Up’s”, IPR cell, Saturday, October 17, 2020 at 14:30PM
14. Organized webinar of *Dr. Kriti* (PhD from Thapar Institute of Engineering and Technology), “Analysis and Classification of Breast Abnormalities using Ultrasound Images”, on Saturday, October 24, 2020 at 11:00AM.
15. Organised webinar on “*SHE Talks*”- an interactive session with Urvi Verma, UPSC Civil Services Exam on 08-03-2021 at 7:00PM to celebrate International Women Day.
16. Organised webinar on “*Women Safety*” by Dr. Deepa Rathore, Clinical Psychologist DDU ZH, Ripon, Shimla, on June 24, 2021 at 11:00am by Internal Complaint Comm, JUIT Solan, Himachal Pradesh.
17. Organized webinar on “*IEEE Membership Drive*” by Prof Prerna Gaur and Prof Rachana Garg on 19 June, 2021, at 4 PM by Membership development committee of IEEE Delhi Section
18. Organised webinar on “*IEEE Student Membership benefit*”, by Dr. Rajesh M. Pindoriya, IIT Mandi, September 11, 2021, 4:00PM by Membership development committee of IEEE Delhi.
19. Organised webinar on “*Why do we need to empower our women?*” by Dr. Tanu Sharma, HSS Department, Jaypee Group, Solan, Himachal Pradesh, Saturday, 16 October, 2021, 12:00PM, by Internal Complaint Comm, JUIT Solan, Himachal Pradesh.

20. Organised webinar on "*Benefits of IEEE Membership for UG, PG and Faculty Members*", by Dr. Rajesh M. Pindoriya, IIT Mandi, October 23, 2021, 3:00PM by Membership development committee of IEEE Delhi Section in collaboration with the IEEE-JUIT Student branch.
21. Organised webinar on "Sustainable Cities & Communities with Delhi as Case Study" by Dr. D. P. Kothari, Director in-charge , Deputy Director, Head in the Centre of Energy Studies at Indian Institute of Technology, Delhi and Principal, VRCE, Nagpur, on Thursday 11 Nov 2021 at 04:00pm (IST) organized by IEEE DELHI SECTION HTC in association with DRISHTI, IEEE SIGHT, JUIT.
22. Organised webinar on "Front-end Development" by Mr.Sunny Puri SDE, at SwiggyIndia, on 13th November 2021 at 3:00 pm organized by IEEE WIE-SB, JUIT Waknaghat.
23. Organised webinar on "Coursera for Campus" by Mr. Karun Jain, Enterprise Account Director for India, on 23rd November, 2021 at 12PM , JUIT, Solan.

ORGANISED GUEST LECTURES

1. Organized Guest Lecturer on "**Research and Innovation for sustainable and human centered solutions**" by Mr. Sanjay Singh, Project manager - Senior DevOps, Lead - mobility solutions, Infosys Limited, Ipswich, UK, on Oct 09, 2021.
<https://www.juit.ac.in/department/Electronics/ResearchandInnovationfosustainableandhumancentered%20olutionsOct092021.pdf>
2. Organized Guest Lecturer on "**Artificial Intelligence for Industry**" by Dr. Seshadri Sastry Head Scientist Third Presence, Andhra Pradesh, India on Oct 09, 2021.
<https://www.juit.ac.in/department/Electronics/ArtificialIntelligenceforIndustryOct092021.pdf>
3. Organized Guest Lecturer on "**AI based Motion Control**" by Dr. Prof (Dr.) Prerna Gaur, Director, Netaji Subhas Institute of Technology, East Campus, Delhi on Oct 08, 2021.
<https://www.juit.ac.in/department/Electronics/AIbasedMotionControlOct082021.pdf>
4. Organized Guest Lecturer on "**Aspects of Time and Space in Wireless Connectivity beyond 5G**" by Prof. (Dr.) Peter Popovski, Ph. D., FIEEE, Villum Investigator Professor, Head of the Section on Connectivity, Department of Electronic Systems, Aalborg University, Denmark, Member-at-Large IEEE ComSoc Board of Governors on Oct 08, 2021.
<https://www.juit.ac.in/department/Electronics/AspectsofTimeandSpaceinWirelessConnectivitybeyond5GOct082021.pdf>
5. Organized Guest Lecturer on "**Intelligent Techniques for Autonomous Landing on Mars**" by Dr. Vinod Kumar, Scientist-Engineer 'G', Division Head (GCDAD), Control Dynamics Design Group U. R. R. Satellite Centre, Bangalore-560017, India on Oct 07, 2021.
<https://www.juit.ac.in/department/Electronics/IntelligentTechniquesforAutonomousLandingonMarsOct072021.pdf>
6. Organized Guest Lecturer on "**Machine Learning in Communication Networks- Applying neural networks to traffic prediction and control**" by Dr. Piotr Cholda, Associate Professor, Institute of Telecommunications, AGH University of Science and Technology, Al. Mickiewicza 30, 30-059 Krakow, Poland on Oct 07, 2021
<https://www.juit.ac.in/department/Electronics/MachineLearninginCommunicationNetworksApplyingneuralnetworkstotrafficpredictionandcontrolOct072021.pdf>
7. Organized Guest Lecturer on "**Security Threats to Ad-Hoc Computing: A Perspective on Sybil Attack**" by Prof. Manu Sood, UIET, Himachal Pradesh University, Shimla on October 11, 2019, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/ExpertTalkonSecurityThreats.pdf>
8. Organized Guest Lecturer on "**A Novel Method for Control of Wind Energy Conversion System (WECS)**" by Dr. Farhad Illahi Bakhsh, National Institute of Technology Srinagar on October 11, 2019, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/ExpertLectureANovelMethod.pdf>
9. Organized Special talk on "**Advancements methods of Biomedical Signal Processing**" by Mr. Muketesh Sharma, AD Instruments, New Delhi on October 11, 2019, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/SpecialTalkonAdvancementsmethods.pdf>
10. Organized Special talk on "**Tools and Techniques in Biomedical Signal Processing**" by Ms. Taranmeet, Biopac Systems (*Gentech Marketing & Distribution Pvt. Ltd*) on October 10, 2019, at Jaypee University of Information Technology, Himachal Pradesh, India.

- <http://www.juit.ac.in/department/Electronics/SpecialtalkonToolsandTechniques.pdf>
11. Organized Guest Lecturer on “**Biomedical Signals and Image Analysis for Affordable Diagnostic**” by Prof. Dinesh Kant Kumar, (Biomedical Engineering), RMIT University, Melbourne, Australia on October 10, 2019, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/ExpertTalkonBiomedicalSignals.pdf>
 12. Organized Guest Lecture on “**Antenna Design for 5G and IoT Communications**” by Dr. ashwani Kumar, Department of Electrical Engineering, IIT Ropar on April 18, 2019 at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/ExpertlectureonAntennaGuidelinesfor5GandIOTCommunications.pdf>
 13. Organized Guest Lecture on “**HDL based System Design**” by Dr. M. Wajid, Department of Electronics Engineering, AMU, Aligarh on April 15, 2019 at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/ReportExpertlectureonHDLapril152019.pdf>
 14. Organized Guest Lecture on “**Stress Management Moral Values and Life management**” by Swami Dheera Nand, Divya Jyoti Jagrati Sansthan, Kapoor Bahwan, Shimla on April 08, 2019 at Jaypee University of Information Technology, Himachal Pradesh, India.
 15. Organized Guest Lecture on “**Compressed Sensing: Beating the Nyquist Sampling**” by Prof. (Dr.) Debashis Ghosh, Head of the Department, Department of Electronics & Communication Engineering, IIT Roorkee on March 23, 2019 at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/Electronics/ExpertlectureMarch232019.pdf>
 16. Organized Guest Lecture on “Patents on Computers and Electronics” by Mr. Mayank Sood, Partner in the K& S Technology Group on February 22, 2019, IPR Cell at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/ipr/Guest%20Lecture%20by%20Mr.%20Mayank%20Sood%20%20Feb%202022,%202019.pdf>
 17. Organized Guest Lecture on “Plant Genetic Resources: what can they contribute toward breaking yield barriers, case study in grain legumes” by Dr. Mohar Singh, Principle Scientist cum office In charge ICAR-NBPGR Research Station, Shimla on March 16, 2018, in association with ACM Student Chapter & CSI Chapter and IPR Cell at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/ipr/Guest%20Lecture%20by%20Dr%20Mohar%20Singh.pdf>
 18. Organized Guest Lecture on “Telemedicine” by Mr. Sanjay Sood, Joint-Director CDAC, Mohali on February 11, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
 19. Organized Guest Lecture on “Latest Technologies and the Future Boon” by Dr. J.K. Chhabra, Professor CSE Department, NIT Kurukshetra on February 11, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
 20. Organized Guest Lecture on “7D’s of success” by Dr. Pramod Shrestha, Nepal's first Professor in Mechanical Engineering on February 11, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
 21. Organized Guest Lecturer on “*How to work with Bull’s Eye*” by Ms. Gundeep Kaur, Bull’s Eye on Feb 09, 2018, at Jaypee University of Information Technology, Himachal Pradesh, India.
 22. Organized Guest Lecturer on “Mobile Phones, Wearable’s, Artificial Intelligence and Your Heart!” by Prof. Peter Macfarlane, Electro cardiologist, University of Glasgow on October 9, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/www.juit.ac.in/department/Electronics/Dr%20Peter%20report.pdf>
 23. Organized popular lecture Series “*Issues Related to Environment*”, by Dr. Vandana Shiva on September 23, 2017 at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/attachments/Write%20up%20for%20Dr%20Shiva.pdf>
 24. Organized Guest Lecturer on “*Development of Advanced Image and Signal Processing Techniques for Disease Diagnostic Devices: Process and Examples*” by Prof. Dinesh Kant Kumar, (Biomedical Engineering), RMIT University, Melbourne, Australia on September 22, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/electronics/Prof%20Dinesh%20Kumar.pdf>
 25. Organized Guest Lecturer on “*Sensors and Signals in Clinical Monitoring and Diagnosis of Disease*” by Prof. Panicos Kyriacou, Professor of Biomedical Engineering City University London on September 21, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/electronics/Prof%20Kryicous.pdf>

26. Organized Guest Lecturer on “*Medical Imaging – Acquisition Processing Analysis & Applications*” by Prof. (Dr.) H.K. SARDANA Chief Scientist, CSIO Chandigarh on September 21, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/electronics/Prof%20Sardana.pdf>
27. Organized Guest Lecturer on “VLSI Design and IOT”, Shri Vivek Sheel Dutt and Shri Kirti of DKOP Labs Pvt. Ltd., Noida, on March 07, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/electronics/DKOP%20lab%20report.pdf>
28. Organized Talk on “Tech Talk on Robotics”, of Mr. Diwakar Vaish, Head of Robotics and Research, A-SET Training and Research Institutes on February 11, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
http://www.juit.ac.in/lrc/hilly/Hilly_Ramblings_Nov16_Feb17.pdf
29. Organized Guest Lecturer on “Biomedical Image Processing”, of Dr. Jyotindra Singh Sahambi, Head of Electrical Engg Department, IIT Ropar on Sept 30, 2016, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/electronics/Dr%20Sahambi%20report.pdf>
30. Organized Guest Lecturer on "Laser In Homeland Security And Defence" of Mr Hari Babu, Director Lastec, DRDO, Delhi on Sept 27, 2016, at Jaypee University of Information Technology, Himachal Pradesh, India.
<http://www.juit.ac.in/department/electronics/hari%20babu%20report.pdf>
31. Organized Guest lecture on “Satellite Communication Trends”, February 20, 2015, at Jaypee University of Information Technology, Himachal Pradesh, India.

ATTENDED CONFERENCES

1. 6th International Conference on Signal Processing, Computing and Control (ISPCC2K21), October 07-09, 2021
2. 2021 IEEE International Conference on Computing, Power and Communication Technologies (GUCON), September 24-26, 2021
3. Mobile Radio Communications and 5G Networks, Springer, Singapore, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, June 23-24, 2021
4. The 4th International Conference on Recent Innovations in Computing (ICRIC-2021), May 08-09, 2021, Central University of Jammu, J & K.
5. 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)
6. 2nd International Conference on Soft Computing for Intelligent Systems, (SCIS-2020) organized by University Institute of Engineering & Technology Kurukshetra University, Kurukshetra from 24th-25th December 2020 (online mode)
7. International Conference on Innovations in Information and Communication Technologies, ITS, Mohan Nagar, Ghaziabad, UP, India, 7-8 November, 2020
8. 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information Technology, Wagnaghat, India, November 06-08, 2020 (online mode)
9. Soft Computing Research Society and Congress on Intelligent Systems (CIS) 2020, from September 05-06, 2020 (online mode)
10. 1st International Conference on Mobile Radio Communications and 5G Networks MRCN-2020, U.I.E.T-KUK, July 13-15, 2020 (Springer) (online mode)
11. IEEE International Conference on Computational Performance Evaluation (ComPE) North - Eastern Hill University, Shillong, Meghalaya, India, Jul 2-4, 2020 (online mode)
12. The 3rd International Conference on Recent Innovations in Computing (ICRIC-2020), 20-21 March, 2020, Central University of Jammu, J & K (online mode)
13. 2019 Fifth International Conference on Image Information Processing (ICIIP), Jaypee University of Information Technology, Wagnaghat, Solan, H.P, India, November 15-17, 2019.
14. 5th IEEE International Conference on signal processing and control (ISPCC 2k19), Jaypee University of Information Technology, Wagnaghat, Solan, H.P, India, October 10-12, 2019.
15. International Conference on Computational Intelligence and data Science (ICCIDS 2019), North Cap University, Gurugram, India, September 06-07, 2019.
16. 3rd International Conference on Advanced Informatics for Computing Research (ICAICR-2019), Shimla, India, June 15-16, 2019

17. 5th International Conference on Signal Processing and Communication (ICSC-2019), March 07-09, 2019, Jaypee Institute of Information Technology, Noida (INDIA).
18. 2nd International Conference on Recent Innovations in Computing (ICRIC-2019), March 08 – 09, 2019, Central University of Jammu, J & K
19. International Conference on Sustainable Computing in Science, Technology and Management February 26 - 28, 2019, Amity University Rajasthan, Jaipur, India.
20. Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India. Dec 20-22, 2018.
21. 2nd International Conference on Advanced Informatics for Computing Research (ICAICR-2018), July 14-15, 2018, Shimla, India
22. International Conference on Futuristic Trends in Network and Communication Technologies (FTNCT-2018), Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology, Solan-173234, Himachal Pradesh, INDIA, 9-10th February, 2018.
23. 2017 Fourth International Conference on Image Information Processing (ICIIP -2017), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India, December 21 - 23, 2017
24. 4th IEEE International Conference on signal processing and control (ISPC 2017), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India, September 21-23, 2017.
25. 11th INDIACOM: 4th 2017 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 1-3, 2017.
26. 2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC), December 22nd – 24th, 2016, Jaypee University of Information technology, Wahnaghat, Solan, H.P, India
27. 10th INDIACOM: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 16th – 18th, 2016.
28. 2015 IEEE International Conference on signal processing and control (ISPC 2015), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India, September 24-26, 2015.
29. Control System and Power Electronics – CSPE 2015, Bangalore, Aug 1-2, 2015.
30. International Conference on Information and Communication Technology for Sustainable Development (ICT4SD - 2015), Ahmedabad, India. July 3-4 2015.
31. National Seminar on Recent Trends in VLSI and Embedded Systems (RTVES-2014), at Jaipur National University, Jaipur, Rajasthan, India. Oct 15-16, 2014.
32. International Conference on Advances in Computing, Electronics and Communication (ICACEC), Warangal. November 30, 2014
33. National Seminar on Recent Trends in VLSI and Embedded Systems (RTVES-2014), at Jaipur National University, Jaipur, Rajasthan, India. Oct 15-16, 2014.
34. 2013 IEEE International Conference on signal processing and control (ISPC 2013), Jaypee University of Information technology, Wahnaghat, Solan, H.P, India, September 26-28, 2013.
35. The International Conference on Signal Processing, computing and control (ISPC 2012), March 15-17, 2012, JUIT, Solan, India.
36. 2nd International Conference on Methods and Models in Science and Technology (ICM2ST-11), Jaipur, Rajasthan, India Organized by Institution of Engineers, Technocrats and Academician Network (IETAN). November 19-20, 2011
37. International Conference on Computational Intelligence and Communication Networks (CICN2011), Gwalior, India. Oct 07-09, 2011
38. 5th International Multi Conference on Intelligent Systems, Sustainable, New and Renewable Energy Technology & Nanotechnology (IISN-2011), Institute Of Science and Technology, K LAWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India. February 18-20, 2011
39. ICWET 2010, International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering & Technology, Mumbai, India. February 26-27, 2010
40. 2010 International Conference on Signal Acquisition and Processing, Bangalore, India. February 9-10, 2010
41. RTSCIT09, International Conference on Recent Trends in Soft Computing and Information Technology, Corporate Institute of Science and Technology, Bhopal, Madhya Pradesh, India. January 9-10, 2010
42. WECON 2009 International Conference on Wireless Networks and Embedded Systems, Chitkara Institute of Engineering and Technology, Chandigarh-Patiala National Highway, Patiala, India. October 23-24, 2009
43. IEEE International Advanced Computing Conference IACC'09, Thapar University, Patiala, Punjab, India. March 6-7, 2009
44. 3rd International Conference on Intelligent Systems & Networks (IISN-2009), Institute Of Science and Technology, K LAWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India. February 14-16, 2009

45. International conference on Advanced Computing Technologies (ICACT '08), Hyderabad, India. December 26-27, 2008
46. MNNA 2007, Indo Australian Symposium on Multifunctional Nano materials Nanostructures and Applications, Department of Physics and Astrophysics, University of Delhi, Delhi. December 19-21,2007
47. National Seminar on Some aspects Of Recent Trends in Engineering and Technology, Punjab College of engineering & Technology, Malakpur, Lalru, Mohali, Punjab. Feb 28, 2007
48. National Conference on Wireless Networks & Embedded systems (WNES-2006), Chitkara Institute Of Engineering & Technology, Rajpura, Patiala, Punjab. July 28,2006
49. Asian Conference on Intelligent Systems & Networks (AISN 2006), HEC Jagadhri, Haryana. Feb 24-25th 2006
50. IMS Conference-2006, Electronics Science Department, Kurukshetra University, Kurukshetra. Feb 17-18th 2006
51. National Conference on Information & Communication Technology Recent Advances & Applications (ICT 2006), JMIT Radaur, Haryana Feb 9-11th 2006
52. INNOVATIONS 2005, Baba Banda Singh Bahadur Engg College, Fatehgarh Sahib, Punjab. Nov 25-26th 2005
53. NCMTICT 2005, Maharishi Markandeshwar Engg College, Mullana, Haryana. October 20-22,2005
54. National Conference on Intelligent Systems & Networks, HEC Jagadhri, Haryana. Feb 25-26th 2005.

ATTENDED SEMINARS/ WORKSHOPS/TRAINING/ GUEST LECTURES

1. Attended two day workshop on Safe Campus Program Session organized by the Association of Indian Universities and the Martha Farrell Foundation on July 30-31, 2021.
2. Attended one day workshop on "NPTEL Awareness" on June 15, 2019 at Jaypee University of Information Technology, Wahnaghat, Solan, H.P in collaboration with NPTEL and Swayam, IIT Roorkee.
3. Attended one day workshop on "Benchmark WiCOMM-T: Wireless Digital Communication Training System" and "Benchmark iCONSeT: An IoT Training System" on February 25th , 2019 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wahnaghat, Solan, H.P.
4. Attended one day Seminar on "Innovation, Renewable Energy & Entrepreneurship" jointly organized by CESTRD (Centre of Excellent in Sustainable Technologies for Rural Development of BT BI Dept. & TIED Cell of JUIT , October 29, 2018.
5. Attended one day workshop on "Trending Wireless Devices", September 19, 2018 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wahnaghat, Solan, H.P.
6. Attended National Workshop on Statistical Techniques in Biological and Medical Sciences (STBMS-2018) from June 04-09, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
7. Attended Guest Lecture on "Compete for BIRAC Biotechnology Ignition Grant (BIG) scheme" by Dr. Udayan Chandra in charge of DBT-BIRAC (Biotechnology Research Assistance Council), New Delhi on Jan 20, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
8. Attended Guest Lecture on "How to Sell Yourself" by Prof. H. Sinvhal, Former Deputy Director, IIT Roorkee , on November 21, 2017, at Jaypee University of Information Technology, Himachal Pradesh, India.
9. Attended two day workshop "*Engineering and Entrepreneurship: A step towards fulfilling dreams*" on November 16-17, 2017, Technology Incubator and Entrepreneurship Development Cell (TIEDC) at Jaypee University of Information Technology, Himachal Pradesh, India.
10. Attended four days workshop "Virtual Labs College Cloud Edition" from 09th – 12th May, 2017 organized by Jaypee University of Information Technology, Himachal Pradesh in collaboration with IIIT, Hyderabad.
11. Attended One Day Workshop on " Massive open online courses (MOOCS)", by Prof. Mangala Sunder Krishnan from IIT Madras, on Sept 15, 2017, Department of CSE & IT, Jaypee University of Information Technology, Himachal Pradesh.
12. Attended one day workshop "A Foundation Program on Data Science using Statistica", on April 21, 2017 organized by Jaypee University of Information Technology, Himachal Pradesh in collaboration with Grid Analytics India.
13. Attended two days workshop "LabVIEW", on April 12- 13, 2017 organized by Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Himachal Pradesh, India.
14. Attended one day workshop "Virtual Labs : IIT Delhi", on February 28, 2017 organized by Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with IIT Delhi.
15. Attended Guest lecture "Computer-aided Diagnosis of Retinopathy of Prematurity" on January 20, 17, by Dr. Rangaraj M. Rangayyan, Professor Emeritus of Electrical and Computer Engineering at the University of Calgary, Calgary, Alberta, Canada at Jaypee University of Information Technology, Himachal Pradesh, India.
16. Attended one day workshop "*Intellectual Property Rights in Research, Development and Academics*", on November 25, 2016 organized by HP Patent Information Center (HPPIC) in collaboration with TIFAC, HFRI, Shimla.

<http://www.juit.ac.in/ipr/HFRI.pdf>

http://www.juit.ac.in/lrc/hilly/Hilly_Ramblings_Nov16_Feb17.pdf

17. Attended 24th Himachal Pradesh State Level Children's Science Congress-2016, November 15-18, 2016, organised by State Council for Science, Technology & Environment, at Govt. Sen Sec. School (Boys) at Nahan, District Sirmour.
http://www.juit.ac.in/lrc/hilly/Hilly_Ramblings_Nov16_Feb17.pdf
18. Attended One day Workshop on “Power Quality” organized by IEEE PES-IAS Delhi Chapter and co sponsored by IEEE PELS-IES Delhi Chapter on November 25, 2015 in IIT Delhi.
19. Attended One day workshop on “Electronic System Design and Prototyping: Tools & Methodologies”, April 30, 2015, at Hotel Shangri-La's - Eros, New Delhi 19, Ashoka Road, Kanaught Place, New Delhi 110001, India
20. Attended one day workshop on “ABET Accreditation”, April 15, 2015 by Professor Claire Komives, Department of Biomedical, Chemical & Materials Engineering, San Jose State University, San Jose, California USA at Jaypee University of Information Technology, Himachal Pradesh, India .
21. Attended one day workshop “Virtual Labs : IIT Delhi”, on February 28th, 2017 organized by Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with IIT Delhi.
22. Attended One day workshop on “COMSOL Multiphysics Modeling”, May 30, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India
23. Attended One day training on “FPGA Kit”, May 21, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India
24. Attended One day workshop on “LabView for Real time application”, April 24, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India.
25. Attended One day workshop on “VLSI Tools and FPGA” November 2, 2011 at Jaypee University of Information Technology, Himachal Pradesh, India in collaboration with CoreEL Technology Pvt Ltd.

ATTENDED FDP's

1. Attended one week Faculty Development Program on Advanced Excel with Data Visualization from 17th May 2021 to 22nd May 2021, organized by E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY& IIT Kanpur)
2. AICTE sponsored Six Days Online Short Term Training Programme, “VLSI DESIGN AND VERIFICATION”, organized by the Department of Electronics and Communication Engineering of Annamacharya Institute of Technology & Sciences (Autonomous), Rajampet, Andhra Pradesh India from 22.03.2021 to 27.03.2021
3. Faculty Development Program on Data Science organised by E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY& IIT Kanpur) from Feb 15-27, 2021 (2 Weeks)
4. AICTE Sponsored Six Days Online Short Term Training Program (STTP) on *Artificial Intelligence and Deep learning for Computational Biology* by the Department of Computer Science and Engineering, PSNA College of Engineering and Technology, Dindigul, TN , Feb 01-06, 2021
5. Faculty Development Program on Machine Learning organised by E & ICT Academy, IIT Kanpur (A Joint Initiative of MeitY& IIT Kanpur) from January 11-23, 2021 (2 weeks).
6. AICTE Sponsored Six Days Online Short Term Training Program (STTP) on *Non-Traditional Algorithms: Efficacious for Multi-Objective Optimization* by the Department of Mechanical Engineering, PARK College of Engineering and Technology, July 20- 25, 2020.
7. 5 day FDP on Exploring the Nuances of Deep Learning for Research Applications- A deeper Experience, organized by Karunya Institute of Technology and Sciences, Coimbatore, Tamil Nadu, India from July 13-17, 2020.
8. 5 days career course on Data science from June 08-12, 2020, Department of Data Science, Loyala College, Chennai
9. 10 days online Faculty Development programme on Python Programming and Machine Learning Techniques from May 18-29, 2020 by Department of Computer Science and Engineering, at KSR College of Engineering, Tiruchegode, Tamil Nadu, India
10. AICTE Training and Learning Academy, Jaipur, Online FDP on Artificial Intelligence from May 11-15, 2020 at University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra
11. AICTE Training and Learning Academy, Jaipur, Online FDP on Internet of Things (IoT) from April 27, 2020 to May 01, 2020 at University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra.
12. Hands on Training for managing the references using Endnote X9- Software organized by International journal of Advance Study and Research Work on April 23, 2020.
13. Five day Faculty development on Scilab from April 20-24, 2020 organized by IQAC and e-learning cell AarunpadaiVeedu Institute of Technology (AVIT) in collaboration with IIT Bombay and Pandit Madan Mohan Malviya

Mission on Teachers and Teaching (PMMMNTT) funded by National Mission on Education through ICT, MHRD Government of India.

14. Attended faculty development program on “Deep Learning for Image Processing: Overview, Challenges and Future” during Feb 24-28, 2020 conducted by NITTTR, Chandigarh at Jaypee University of Information Technology, Wagnaghat.
15. Attended Short term course on “Artificial Neural Network and Fuzzy Logic through ICT ” during July 23- 27, 2018 conducted by NITTTR, Chandigarh and Department of Computer Science and Engineering and Information Technology, Jaypee University of Information Technology, Wagnaghat.
16. Attended Short term course on “Wireless & Mobile Communication” during October 30- November 03, 2017 conducted by NITTTR, Chandigarh and Department of Computer Science and Engineering and Information Technology, Jaypee University of Information Technology, Wagnaghat.
17. Attended Short term course on “Cloud Computing through ICT” during October 23-27, 2017 conducted by NITTTR, Chandigarh and Department of Computer Science and Engineering and Information Technology, Jaypee University of Information Technology, Wagnaghat.
18. Attended six day faculty development program on “Signal Processing and its Applications”, January 13- 18, 2016 at Jaypee University of Information Technology, Himachal Pradesh, India.
19. Attended six day faculty development program on “Virtualization & Cloud Computing - Fundamentals & Practical Approach”, December 24- 30, 2015 at Jaypee University of Information Technology, Himachal Pradesh, India.
20. Attended six day workshop on “Faculty Development Program”, July 14-19, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India
21. Attended six day workshop on “MATLAB in Engineering Education”, November 11-16, 2013 at Jaypee University of Information Technology, Himachal Pradesh, India.
22. Attended 5 day workshop on “Artificial Neural Networks, Pattern Recognition Computer Vision and Multimedia Information Retrieval” as part of Indo US Engineering Faculty Leadership Institute from July 4-8, 2011 at Jaypee University of Information Technology, Himachal Pradesh, India.
23. Attended 5 day workshop on “Wireless Sensor Networks” as part of Indo US Engineering Faculty Leadership Institute from July 5-9, 2011 at Jaypee University of Information Technology, Himachal Pradesh, India.
24. Attended 5 day workshop on “Electronic and Opto Electronic Materials” as part of Indo US Engineering Faculty Leadership Institute from May 30 to June 03, 2011 at Jaypee University of Information Technology, Himachal Pradesh, India.

External Examiner :

- 1) Bahra University to examine B-Tech 7th sem students for VLSI Design and Technology Lab and Digital Signal Processing lab on December 04, 2018.
- 2) Bahra University to examine B-Tech 6th sem students for Control Lab and Antenna lab on May29, 2018.
- 3) M.Tech viva scheduled for 27.07.2021 & 28.07.2021 in CDAC Mohali and IKG PTU.

TECHNICAL EXPERIENCE

Operating Systems : Windows 98/2000/XP

Distributed Programming:ORCAD, Xilinx

PAPER PUBLISHED:

BOOK CHAPTER

1. Kirti, Sohal H., Jain S. (2022) FPGA Implementation of Low Power Pre-processor Design for Biomedical Signal Processing Application. In: Rao V.V., Kumaraswamy A., Kalra S., Saxena A. (eds) Computational and Experimental Methods in Mechanical Engineering. Smart Innovation, Systems and Technologies, vol 239. Springer, Singapore pp 489-497.

- https://doi.org/10.1007/978-981-16-2857-3_48
https://link.springer.com/chapter/10.1007/978-981-16-2857-3_48#citeas
2. Sood M., Jain S. (2021) Speech Recognition Employing MFCC and Dynamic Time Warping Algorithm. In: Singh P.K., Polkowski Z., Tanwar S., Pandey S.K., Matei G., Pirvu D. (eds) Innovations in Information and Communication Technologies (IICT-2020). Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham, pp 235-242.
https://doi.org/10.1007/978-3-030-66218-9_27
https://link.springer.com/chapter/10.1007/978-3-030-66218-9_27
 3. Saxena S., Sinha S., Jain S. (2021) Computer-Aided Diagnostic System for Diabetic Retinopathy Using Convolutional Neural Network. In: Singh P.K., Polkowski Z., Tanwar S., Pandey S.K., Matei G., Pirvu D. (eds) Innovations in Information and Communication Technologies (IICT-2020). Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development). Springer, Cham, pp 219-226.
https://doi.org/10.1007/978-3-030-66218-9_25
https://link.springer.com/chapter/10.1007/978-3-030-66218-9_25
 4. Jain, Shruti (2021) Realization of Carry-Free Adder Circuit Using FPGA. Computational Intelligence in Healthcare, pp 53-66
<https://www.springer.com/gp/book/9783030687229#>
 5. Jain S., Kashyap M., Garg M., Srivastava S. (2021) Design and Simulation of Optimum Digital Filter for Removal of Power Line Interference Noise. In: Singh P.K., Singh Y., Kolekar M.H., Kar A.K., Chhabra J.K., Sen A. (eds) Recent Innovations in Computing. ICRIC 2020. Lecture Notes in Electrical Engineering, vol 701, pp 97-107. Springer, Singapore.
https://doi.org/10.1007/978-981-15-8297-4_9
http://springer.nl.go.kr/chapter/10.1007/978-981-15-8297-4_9
 6. Jain S., Kumar P., Sood M. (2021) Design of Waste Heat Recovery System for Green Environment. In: Singh P.K., Singh Y., Kolekar M.H., Kar A.K., Chhabra J.K., Sen A. (eds) Recent Innovations in Computing. ICRIC 2020. Lecture Notes in Electrical Engineering, vol 701, pp 821-830, Springer, Singapore.
https://doi.org/10.1007/978-981-15-8297-4_66
http://springer.nl.go.kr/chapter/10.1007%2F978-981-15-8297-4_66
 7. Srivastava S., Jain S. (2021) Optimum Digital Filter Design for Removal of Different Noises from Biomedical Signals. In: Marriwala N., Tripathi C.C., Kumar D., Jain S. (eds) Mobile Radio Communications and 5G Networks. Lecture Notes in Networks and Systems, vol 140. Springer, Singapore, pp- 389-399.
https://doi.org/10.1007/978-981-15-7130-5_30
https://link.springer.com/chapter/10.1007%2F978-981-15-7130-5_30
 8. Jain S., Virmani J. (2020) Texture Ratio Vector Technique for the Classification of Breast Lesions Using SVM. In: Jain S., Paul S. (eds) Recent Trends in Image and Signal Processing in Computer Vision. Advances in Intelligent Systems and Computing, vol 1124. Springer, Singapore, pp 201-210.
https://doi.org/10.1007/978-981-15-2740-1_14
https://link.springer.com/chapter/10.1007/978-981-15-2740-1_14
 9. Bhardwaj C., Jain S., Sood M. (2020) Deep Learning Based Diabetic Retinopathy Prediction of Colored Fundus Images with Parameter Tuning. In: Jain S., Sood M., Paul S. (eds) Advances in Computational Intelligence Techniques. Algorithms for Intelligent Systems. Springer, Singapore, pp 53-62.
https://doi.org/10.1007/978-981-15-2620-6_4
https://link.springer.com/chapter/10.1007/978-981-15-2620-6_4
 10. Rajkumar Sarma, Cherry Bhargava, Shruti Jain, "PVT Variability Check on UCM Architectures at Extreme Temperature-Process Changes", AI Techniques for Reliability Prediction for Electronic Components, 2020
DOI: 10.4018/978-1-7998-1464-1.ch013
<https://www.igi-global.com/chapter/pvt-variability-check-on-ucm-architectures-at-extreme-temperature-process-changes/240500>

- <https://www.igi-global.com/viewtitlesample.aspx?id=240500&ptid=233140&t=PVT%20Variability%20Check%20on%20UCM%20Architectures%20at%20Extreme%20Temperature-Process%20Changes&isxn=9781799814641>
11. Jain S., Kashyap V., Sood M. (2020) Design and Analysis of Thermoelectric Energy Harvesting Module for Recovery of Household Waste Heat. In: Singh P., Kar A., Singh Y., Kolekar M., Tanwar S. (eds) Proceedings of ICRIC 2019. Lecture Notes in Electrical Engineering, vol 597. Springer, Cham, pp 899-908
https://link.springer.com/chapter/10.1007/978-3-030-29407-6_65
https://doi.org/10.1007/978-3-030-29407-6_65
 12. Tewari K., Vandita S., Jain S. (2020) Predictive Analysis of Absenteeism in MNCS Using Machine Learning Algorithm. In: Singh P., Kar A., Singh Y., Kolekar M., Tanwar S. (eds) Proceedings of ICRIC 2019. Lecture Notes in Electrical Engineering, vol 597. Springer, Cham, pp 3-14
https://link.springer.com/chapter/10.1007/978-3-030-29407-6_1
https://doi.org/10.1007/978-3-030-29407-6_1
 13. Jain S., Chauhan D.S. (2019) Computer Aided Design and Synthesis for Marker Proteins of HT Carcinoma Cells: A Study. In: Paul S. (eds) Biomedical Engineering and its Applications in Healthcare. Springer, Singapore, pp 399-419
https://link.springer.com/chapter/10.1007/978-981-13-3705-5_17#citeas
 14. Jain S., Sachdeva M., Dubey P., Vijan A. (2019) Multi-sensor Image Fusion Using Intensity Hue Saturation Technique. In: Luhach A., Jat D., Hawari K., Gao XZ., Lingras P. (eds) Advanced Informatics for Computing Research. ICAICR 2019. Communications in Computer and Information Science, vol 1076. Springer, Singapore, pp 147-157.
 DOI :https://doi.org/10.1007/978-981-15-0111-1_14
https://link.springer.com/chapter/10.1007/978-981-15-0111-1_14#citeas
 15. Dogra J., Jain S., Sood M. (2019) Analysis of Graph Cut Technique for Medical Image Segmentation. In: Luhach A., Jat D., Hawari K., Gao XZ., Lingras P. (eds) Advanced Informatics for Computing Research. ICAICR 2019. Communications in Computer and Information Science, vol 1075. Springer, Singapore, pp 451-463
 DOI :https://doi.org/10.1007/978-981-15-0108-1_42
https://link.springer.com/chapter/10.1007/978-981-15-0108-1_42#citeas
 16. Sood M., Kashyap V., Jain S. (2019) Energy Harvesting System from Household Waste Heat Employing Thermoelectric Generator. In: Luhach A., Jat D., Hawari K., Gao XZ., Lingras P. (eds) Advanced Informatics for Computing Research. ICAICR 2019. Communications in Computer and Information Science, vol 1076. Springer, Singapore, pp 3-12.
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https://link.springer.com/chapter/10.1007/978-981-15-0111-1_1#citeas
 17. Bhardwaj C., Sharma U., Jain S., Sood M. (2019) Implementation and Performance Assessment of Biomedical Image Compression and Reconstruction Algorithms for Telemedicine Applications: Compressive Sensing for Biomedical Images Medical Data Security for Bioengineers,pp52-80.
 DOI: [10.4018/978-1-5225-7952-6.ch003](https://doi.org/10.4018/978-1-5225-7952-6.ch003)
<https://www.igi-global.com/chapter/implementation-and-performance-assessment-of-biomedical-image-compression-and-reconstruction-algorithms-for-telemedicine-applications/225281>
 18. Bhardwaj C., Jain S., Sood M. (2019) Automated Optical Disc Segmentation and Blood Vessel Extraction for Fundus Images Using Ophthalmic Image Processing. In: Luhach A., Singh D., Hsiung PA., Hawari K., Lingras P., Singh P. (eds) Advanced Informatics for Computing Research. ICAICR 2018. Communications in Computer and Information Science, vol 955. Springer, Singapore, pp 182-194
https://link.springer.com/chapter/10.1007/978-981-13-3140-4_17#citeas
https://doi.org/10.1007/978-981-13-3140-4_17
<https://link.springer.com/book/10.1007/978-981-13-3140-4>
 19. Prashar N., Sood M., Jain S. (2019) Morphology Analysis and Time Interval Measurements Using Mallat Tree Decomposition for CVD Detection. In: Luhach A., Singh D., Hsiung PA., Hawari K., Lingras P., Singh P. (eds)

Advanced Informatics for Computing Research. ICAICR 2018. Communications in Computer and Information Science, vol 955. Springer, Singapore, pp 171-181

https://link.springer.com/chapter/10.1007/978-981-13-3140-4_16#citeas

https://doi.org/10.1007/978-981-13-3140-4_16

20. Shruti Jain, “Design and Simulation of Fuzzy System Using Operational Transconductance Amplifier”, pp 265-273, Smart Innovation, Systems and Technologies, Springer, Volume 31, 2015

http://link.springer.com/chapter/10.1007/978-81-322-2205-7_25

Doi : 10.1007/978-81-322-2205-7_25 Computational Intelligence in Data Mining

JOURNALS

1. Ayodeji Olalekan Salau , Shruti Jain , Joy NnennaEneh, “A review of various image fusion types and transform”, Indonesian Journal of Electrical Engineering and Computer Science, Vol. 24, No. 3, December 2021, pp. 1515-1522
<http://ijeecs.iaescore.com/index.php/IJECS/article/view/26337> **SCOPUS, ESCI**
DOI: <http://doi.org/10.11591/ijeecs.v24.i3.pp%25p>
2. Shruti Jain, Amit Manocha, “Design and development of smart monitoring module for detection of virus”, Measurement: Sensors, 2021 **SCI . IF 3.927**
<https://doi.org/10.1016/j.measen.2021.100048>
3. Ayodeji OlalekanSalau, ShrutiJain, Adaptive Diagnostic Machine Learning Technique for Classification of Cell Decisions for AKT Protein, Informatics in Medicine Unlocked, 7 January 2021, 100511 **SCOPUS, ESCI**
<https://doi.org/10.1016/j.imu.2021.100511>
<https://www.sciencedirect.com/science/article/pii/S2352914821000010>
4. Ayodeji Olalekan Salau and Shruti Jain, “Computational modeling and experimental analysis for the diagnosis of cell survival/ death for Akt protein, “Journal of Genetic Engineering and Biotechnology, (2020) 18:11 **SCOPUS, ESCI**
<https://pubmed.ncbi.nlm.nih.gov/32314080/>
5. Shruti Jain, “ Computer Aided Detection system for the Classification of Non Small Cell Lung Lesions using SVM”, Current Computer-Aided Drug Design, 16(6), 2021 , pp 833-840 **SCI . IF 1.606**
<https://www.ncbi.nlm.nih.gov/pubmed/31899680>
<http://www.eurekaselect.com/178017/article>
<https://doi.org/10.2174/1573409916666200102122021>
6. Shruti Jain, Durg Singh Chauhan, “Instance-Based Learning of Marker Proteins of Carcinoma Cells for Cell Death/ Survival”, Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization **SCOPUS, ESCI**
<https://www.tandfonline.com/doi/full/10.1080/21681163.2019.1692236>
<https://doi.org/10.1080/21681163.2019.1692236>
7. Shruti Jain, Ayodeji Olalekan Salau, Detection of Glaucoma using Two Dimensional Tensor Empirical Wavelet Transform, SN Appl. Sci. (2019) 1: 1417. <https://doi.org/10.1007/s42452-019-1467-3>
ESCI, Web of Science
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2. International Journal of Computer Science and Information Technology Research Excellence (ISSN 2250-2742),
3. Journal of Harmonized Research Publication.
4. International Journal of Advance Engineering and Research Development (IJAERD) (ISSN 2348-4470 online, 2348-6406 Print)
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Reviewer :

Journal :

- 1) IEEE Internet of Things Journal
- 2) IEEE Journal of Biomedical and Health Informatics
- 3) IEEE Transactions on Emerging Topics in Computational Intelligence
- 4) International Journal of Computer and Information Technology (IJCIT)
- 5) International Journal of Scientific Engineering and Technology (IJSET)
- 6) Journal of Harmonized Research Publication (JOHR)
- 7) International Journal Of Environmental Science And Toxicology (IJEST)
- 8) International Journal of Advanced Trends in Computer Applications (IJATCA)
- 9) International Journal of Advanced Research in Applied Science and Technology (IJARAST)
- 10) International Journal of Engineering Research and Technology (IJERT)
- 11) International Journal of Advance Engineering and Research Development (IJAERD)
- 12) International Journal of Multidisciplinary Research and Modern Education
- 13) Asian Journal of Applied Science and Technology (AJAST)
- 14) International Journal on Emerging Trends in Electronics & Communication Engineering
- 15) Science International
- 16) Bentham Science Publishers
- 17) International Association of Engineering & Technology Researchers (IAETR)
- 18) Signal and Information Processing.
- 19) Advances in Science, Technology and Engineering Systems Journal
- 20) Recent Advances in Electrical & Electronic Engineering.
- 21) Journal of King Saud University - Computer and Information Sciences
- 22) Journal of Engineering Science and Technology
- 23) International Journal of Smart Computing & Information Technology (IJSCIT)
- 24) International Journal of Information Technology
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- 26) Royal Society Open Science
- 27) International Journal of Research and Innovation in Engineering Technology (IJRIET)
- 28) Energy Sources, Part A: Recovery, Utilization, and Environmental Effects
- 29) IAES International Journal of Artificial Intelligence (IJ-AI)
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Book Chapters

1. Reviewer of Book chapter entitled “An Enhanced Face and Iris Recognition based New Generation Security System” for “Advancements in Security and Privacy Initiatives for Multimedia Images” IGI Global (www.igi-global.com), February 09, 2020.

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44. The ICED 2018, August 9-10, 2018. <https://www.facebook.com/ICED2018/>
45. 4th INTERNATIONAL CONFERENCE ON ELECTRONIC DESIGN 2018, School of Computer and Communication Engineering and School of Microelectronics Engineering, UNIMAP in collaboration with Prince Songkla University, Thailand, 15 to 16th August 2018
46. Fourth International Symposium on Intelligent Systems Technologies and Applications (ISTA'18), Bangalore, Sep19-22, 2018.
47. 31st Symposium on Integrated Circuits and System Design in 2018, SBCCI 2018 , Bento Gonçalves, Rio Grande do Sul, Brazil, on August 27-31, 2018.
48. IEEE International Conference on Electronics, Circuits and Systems (ICECS) 2018, Bordeaux France, Dec 9-12, 2018.
49. Softconf.com, and the START V2 ConferenceManager
50. 2018 International Workshop on Artificial Intelligence and Deep Learning methods for Human Centric Systems to be held in Moscow from November 5-9, 2018.
51. 10th International Congress on Ultra Modern Telecommunications and Control Systems (ICUMT 2018), November 5 - 9, 2018, Moscow, Russia.
52. 1st International workshop on Informatics & Data-Driven Medicine, November 28-30, 2018 (Lviv, Ukraine).
53. Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information technology, Waknaghat, Solan, H.P, India. Dec 20-22, 2018.
54. 1st International Workshop on Informatics and Data-Driven Medicine (IDDM - 2018)
55. 2nd EAI International Conference on Ubiquitous Communications and Network Computing, February 8-10, 2019 Bangalore, India.
56. International Conference on Optical and Wireless Technologies 2019, Malaviya National Institute of Technology Jaipur(MNIT Jaipur), JLN Marg, Jaipur-302017 (Rajasthan), INDIA. March 16-17, 2019
57. International Conference on Contemporary Engineering Technology and Management (ICCETM-19), Radisson Jass, Shimla on May 30- 31, 2019.
58. ICRTCIS 2019: International Conference on Recent Trends in Communication & Intelligent Systems, Arya 1st Old Campus, Industrial Area Kukas Delhi Road Jaipur Rajasthan, Jaipur, India, June 8-9, 2019
59. International Conference on Emerging Trends in Information Technology- 2019 (ICETIT 2019), Institute of Information Technology and Management, Janakpuri, Delhi, June 21-22, 2019.
60. SBCCI, 2019, Aug 26-30, 2019, Sao Paulo, Brazil.
61. 2nd International Conference on Communication & Computational Technologies (ICCCT-2019), 30-31 August, 2019 at RIET, Jaipur, India
62. 2019 4th IEEE International Circuits and Systems Symposium (ICSyS), 18th – 20th September 2019, Kuala Lumpur, Malaysia.

63. International Conference (ICRIHE-2019) 'Role of ICT in Higher Education: Trends, Problems and Prospects' September 27-28, 2019, IITM auditorium, New Delhi.
64. IEEE 13th International Conference on Application of Information and Communication Technologies (AICT2019), 23-25 Oct 2019, Baku, Azerbaijan
65. IEEE International Conference on Electronics, Circuits and Systems (ICECS) 2019 Bordeaux, FRANCE, November 27-29, 2019.
66. CICT 2019 : The 3rd IEEE Conference on Information and Communication Technology, IIITM Gwalior and IIITDM Jabalpur, Dec 6- Dec 8, 2019.
67. Fifth International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'19). SIRS'19 , Trivandrum, Kerala, India, Dec. 18-21, 2019.
68. Fifth International Symposium on Intelligent Systems Technologies and Applications (ISTA'19). ISTA'19 will be held in Trivandrum, Kerala, India during Dec. 18-21, 2019.
69. International Conference on Smart Communication and Imaging Systems organized by Department of Electronics and Communication Engineering, G.L. Bajaj Institute of Technology & Management, Greater Noida, March 20th - 21st, 2020.
70. 1st International Symposium on Engineering and Technology 2019, Kangar, Perlis, 23 December 2019.
71. 9th International Conference on Communication Systems and Network Technologies 2020, November 07-11, 2020.
72. 2019 Second International Conference on Mechanical Engineering and Materials (ICMEM2019), Guangzhou, China, December 20-21, 2019.
73. International Conference on "Role of ICT in Higher Education: Trends, Problems and Prospects - ICRIHE 2020" on 14-15 February 2020, Janakpuri, New Delhi.
74. 7th International Conference on Signal Processing and Integrated Networks, SPIN 2020 , Department of Electronics and Communication Engineering ASET, Amity University, Sec-125, Noida, Delhi-NCR, India, 27 - 28 February 2020
75. International Conference on Recent Trends in Smart Energy Management (COER-ICRTSEM-2020)" ,College of Engineering Roorkee (COER), Aug. 21-22, 2020.
76. IEEE International Conference on Electronics, Circuits and Systems (ICECS-2020)
77. 33rd Symposium on Integrated Circuit and Systems Design SBCCI 2020, Compinas, Brazil, on August 24-28, 2020.
78. 12th International Conference on Computational Intelligence and Communication Networks (CICN 2020)
79. Sixth International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'20)
80. 6th International Symposium on Intelligent Systems Technologies and Applications (ISTA'20), October 14-17, 2020, Chennai, India
81. 5th International Conference on Electronic Design (ICED 2020)
82. 2020 International Conference on Radar, Antenna, Microwave, Electronics, and Telecommunications (ICRAMET) (2020 ICRAMET), Research Center for Electronics and Telecommunications, Indonesian Institute of Sciences Jl. Sangkuriang 154 D, Bandung 40135, West Java, Indonesia virtually on November 18th - 20th, 2020.
83. 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC) , 06-08 November, 2020, Department of Computer Science & Engineering and Information Technology, Jaypee University of Information Technology
84. Innovations in Information and Communication Technologies (IICT-2020)), ITS, Mohan Nagar, Ghaziabad, UP, India, November 7-8, 2020.
85. Member Program Committee for Congress on Intelligent Systems 2020
86. CSNT 2021 (10th International Conference on Communication Systems and Network Technologies 2021).
87. International Conference On Recent Trends in Communication & Intelligent Systems (ICRTCIS 2020)
88. International Conference on Communication and Intelligent Systems (ICCIS 2020)
89. 1st International Conference on Engineering and Technology (ICoEngTech) 2021
90. International Conference on Data Science and Applications (ICDSA 2021) is going to be organized in Virtual Format (due to the ongoing COVID19 pandemic) during April 10-11, 2021
91. International Conference on "Issues and Challenges in Intelligent Computing Techniques" (ICICT-2021) (In blended mode) on November 26 -27, 2021, KIET Group of Institutions, Delhi-NCR, Meerut Road (NH-58), Ghaziabad, Uttar Pradesh, India
92. The 13th International Conference on Computational Intelligence and Communication Networks (CICN 2021), Sept 22-23, 2021.
93. 34th Symposium on Integrated Circuit and Systems Design in 2021, Compinas, Brazil, on August, 2021
94. ISETech 2021 (The 2nd International Symposium on Engineering and Technology 2021).

95. 2021 7th International Conference on Signal Processing and Communication (ICSC-2021), IIIT, Noida from 25th to 27th November, 2021.
96. Second International Conference on Advances and Applications of Artificial Intelligence and Machine Learning (ICAAAIML'2021), School of Engineering & Technology, Sharda University, 29th - 30th October 2021.
97. Program Committee Member of AICTE Sponsored 3rd International Conference on Recent Trends in Communication & Intelligent Systems (ICRTCIS 2021), 22 & 23 October 2021
98. InCAPE 2021 (THE 3rd INTERNATIONAL CONFERENCE ON APPLIED PHOTONICS AND ELECTRONICS 2021).
99. 4th International Conference on Communication and Computational Technologies (ICCCT 2022)

WORKSHOP AND TRAINING AS A TECHNICAL CO-ORDINATOR OF JYC (2015-16)

S.No.	Name of Workshop	Students Involved	Date	Number of Students Registered (includes Paid, Unpaid and Discounted)
1	Hand on 'C'	1st year	September 24 - 26, 2015	200+
2	Photoshop	Club Specific	October 4, 2015	30+
3	CPU Assembling	Club Specific	October 7, 2015	35+
4	Web Development	Club Specific	October 13-14, 2015	35+
5	Premier Pro	All years	November 4, 2015	40+
6	Sound Editing	All years	November 6, 2015	50+
7	Robotics	Club Specific	November 16-17, 2015	30+
8	PhP	All years	January 22, 2016	40+
9	Data Structure	1st year	January 27-28, 2016	130+
10	Murious X	Diff Universities	January 29- 31, 2016	200+

WORKSHOP AND TRAINING AS A TECHNICAL CO-ORDINATOR OF JYC (2016-17)

S.No	Name of Workshop	Students Involved	Date	Number of Students Registered (includes Paid, Unpaid and Discounted)
1	Hand on 'C'	1st year	September 29 - 30, 2016	200+
2	Photoshop	Club Specific	October 3-5, 2016	30+
3	Web Development	Club Specific	October 12-14, 2016	35+
4	Premier Pro	All years	November 4, 2016	35+
5	PhP	All years	January 30-31, 2017	40+
6	Data Structure	1st year	February 17-18, 2017	50+
7	Murious XI	Diff Universities	February 10-12, 2017	200+

COURSES TAUGHT

Month Period/Year	Course No. and Title/Status	Students Enrolled
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January-May/2008	07B41EC706 - Devices and Circuit Simulation Lab	
July-December /2008	07B51EC241- Communication Systems 10B17EC472- Communication System Lab	131 131
January-May/2009	10M13EC439 - Bioelectronics	25
July-December/2009	07B51EC109 - Digital Communications	145
January-May/2010	07B41EC106/ 10B11EC411 Semiconductors 10M13EC439 Bioelectronics	131 01
December- January-2010-11 (Condensed Sem)	11B1WEC836- Circuit Synthesis	38
January-May /2011	11B1WEC671- Power electronics Lab	120
July-December/2011	10M11EC114 VLSI circuits and System Design 10B17EC171- Electrical Circuit Lab	60 135
January-May/2012	10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab	114 64
July- December/2012	10B11EC401 – Digital Electronics 10B17EC407– Digital Electronics Lab 10B11EC612- VLSI Technology and Application	67 98 02 (special case)
January-May/2013	10B11EC401 – Digital Electronics 10B17EC407– Digital Electronics Lab 13B1WEC833- Bio electronics Sensor	114 32 47
July- December/2013	10B11EC401 – Digital Electronics 10B17EC407– Digital Electronics Lab 13B1WEC731- CMOS Analog Circuit Design 13P1WEC131- Advanced Bio electronics Sensor	24 24 52 01
January-May/2014	10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab 13B1WEC833- Bio electronics Sensor	120 55 43
July/2014 (Summer Sem)	10B11EC211- Basic Electronics 13B1WEC833- Bio electronics Sensor	12 03
July-December/2014	10B11EC401 – Digital Electronics 10B17EC307– Signals and Systems Lab 10B17EC574- Communication System Lab 13B1WEC731- CMOS Analog Circuit Design	152 32 157 26
Jan-May/2015	10B11EC612- VLSI Technology and Application 10B17EC271- Basic Electronics Lab	120 95
June /2015 (Summer Sem)	10B11EC111- Electrical Circuit Analysis 10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab 10B17EC471 -Devices and Circuit Simulation Lab	42 10 02 02
July-December/2015	10B11EC111- Electrical Circuit Analysis 10B17EC171- Electrical Circuit Lab	115 115
Jan-May/2016	10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab	99 99
June /2016 (Summer Sem)	10B11EC111- Electrical Circuit Analysis 10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab 10B17EC471 -Devices and Circuit Simulation Lab 10B11EC511-Digital Communications	12 02 02 01 02
July-December/2016	10B11EC401 – Digital Electronics 10B17EC407– Digital Electronics Lab	85 85

	10M11EC114 VLSI circuits and System Design	07
Jan-May / 2017	10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab	90 27
June /2017 (Summer Sem)	13B1WEC731- CMOS Analog Circuit Design 11B1WEC671- Power electronics Lab	03 02
June-December/2017	17M1WEC331- VLSI in Biomedical Applications 10B17EC372- Analog Electronics Lab	03 124
Jan-May 2018	10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab	104 32
June /2018 (Summer Sem)	10B11EC111- Electrical Circuit Analysis 10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab 10B17EC471 -Devices and Circuit Simulation Lab 13B1WEC731- CMOS Analog Circuit Design	12 02 03 01 03
July-December 2018	10B11EC401 – Digital Electronics 10B11EC407- Digital Electronics Lab	205 207
January- May 2019	10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab	100 45
Summer 2019	18B17EC271- Electrical Science Lab 10B11EC612- VLSI Technology and Application 13B1WEC731- CMOS Analog Circuit Design	02 01 04
July-December 2019	18B11EC312 – Digital Electronics and Logic Design 19P1WEC111- Reconfigurable Computing	21 01
January- June , 2020	10B11EC612- VLSI Technology and Application 10B17EC672- VLSI lab	67 66
July-December 2020	13B1WEC731 –CMOS Analog Circuit Design 18B1WCI636– Digital Image Processing	17 46
January- May , 2021	18B11EC612- VLSI Technology	21
June- July, 2021	18B1WCI636– Digital Image Processing 18B1WCI676– Digital Image Processing Lab	18
August- December, 2021	18B11EC312 – Digital Electronics and Logic Design 18B17EC372 – Digital Electronics and Logic Design Lab	57 55

ACHIEVEMENTS

- Biography included in “**Who's Who in Science and Engineering 2016-2017**” (12th Edition).
- Biography included in “**Who's Who in Medicine and Healthcare 2011-2012**” (8th Edition) in October 2011 issue.
- Co-ordinator of NAAC visits of Electronics and Communication Department in March 2011.
- Qualified in final round of **Envision**, the Product Design Competition held during Entrepreneurship Summit 2009, organized at the Indian Institute of Technology, Kharagpur
- Head Pinnacle. Beyond The Heights, Electronics & Communication Society ACE & AR, Mithapur and organized many events like Paper Presentation, Group Discussion.
- Overall In charge Of “**Technopreneur Promotion ProgrameTePP**” Electronics Research Development & facilities centre, HARTRON Symposium held at ACE & AR Mithapur.
- **Topped in ELECTRONICS** in Haryana Engineering College, Jagadhari
- **(GOLD MEDALIST)** Got scholarship in every semester.
- Got 100% result in **Elements of Electronics Engg (EL-101E)** in May 2006 and 95% result in December 2006.
- Got 100% result in **Digital Electronics (ECE-204E)** in May 2007
- Got highest marks in Mathematics in AISSCE (Senior secondary)

- Worked as EVENT CO-ODINATOR (as a lecturer) of Brain Storm Committee in Azzaro 2005 (Technical fest).
- Active member (organizer) of Quiz & Simulation in Azzaro National Level Symposium 2004.
- Awarded letter of commendation in Azzaro 2004 (Technical fest), as a member of organizing team.
- Member of Organizing Committee of AZZARO-2002, 2003, 2004 (National Level Technical Fest).