

Faculty Detail

Name : Dr. Shruti Jain

Designation : Associate Dean (Innovation) and Professor

Biography

Dr. Shruti Jain is an Associate Dean (Innovation) and Professor in the Department of Electronics and Communication Engineering at the Jaypee University of Information Technology, Wagnaghat, H.P, India. She has received her Doctor of Science (D.Sc.) in Electronics and Communication Engineering. She has teaching experience of around 19 years. She has filed ten patents, of which three have been granted and seven are published. She has published more than 30 book chapters and 130 research papers in reputed indexed journals (with IF ~ 70) and in international conferences. She has also published 14 books. She has completed two government-sponsored projects. She has guided 07 Ph.D. students and now has 05 registered students. She has also guided 11 M. Tech scholars and more than 110 B. Tech undergrads. She has organized 12 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 the Nation Builder Award in 2018-19 and enlisted in 2% scientist of world rankings of 2021 and 2023 published by Elsevier, data compiled by Stanford University.

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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

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
10 th	CBSE, Ambala	72.4% Agg.	1998

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”

D.Sc. Title “Computational Modeling and Simulation of HT- Carcinoma Cells for Diagnosis of Cell Survival/Death”

Cumulative SCI Impact Factor: 69.17

Citation Indices

Google Scholar	Citation indices	All	Since 2017
	Citations	2078	1671
	H-index	20	19
	i10-index	71	49

Scopus	Citation indices	All
	Citations	1303
	H-index	18

JOB EXPERIENCE: 19 years

- 1) Working as **ASSOCIATE DEAN(Innovation)** in Jaypee University of Information Technology, Wagnaghat from 15/06/2022 to Present.
- 2) Working as **PROFESSOR** in Jaypee University of Information Technology, Wagnaghat from 15/04/2022 to Present.
- 3) Working as **ASSOCIATE PROFESSOR** in Jaypee University of Information Technology, Wagnaghat from 30/09/2016 to 15/04/2022.
- 4) Worked as **ASST. PROFESSOR** in Jaypee University of Information Technology, Wagnaghat from 01/07/2012-30/09/2016.
- 5) Worked as **SR.LECTURER** in Jaypee University of Information Technology, Wagnaghat from 01/07/2010-01/07/2012.
- 6) Worked as **LECTURER** in Jaypee University of Information Technology, Wagnaghat from 15/04/2008 to 01/07/2010.
- 7) Worked as **LECTURER** in Ambala College of Engineering & Applied Research, Devasthali from 13/07/2005 TO 25/02/2008
- 8) 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 Research(DIHAR)	2 years 2012-15	Rs. 9.68 lakhs	Dr. P.K. Naik	Completed
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 2017-20	Rs 5.24 lakhs	Dr. Meenakshi Sood	Completed
3	7 th ISPCC conference	DRDO	2021	Rs 50,000	Dr.Harsh Sohal	Completed
4	“DRISHTI” – IEEE SIGHT JUIT	IEEE, SIGHT, 2022	2020	250 \$		Ongoing
5	Hardtec/Softec Workshop	IEEE R10 PAC,	6 months Aug-Dec 2022	1000\$	Dr. Rashmi Agarwal	Completed

6	IEEE Industry Academia Partnership Program (IEEE – IAPP)	IEEE R10 MDC	6 months Aug-Dec 2022	660\$		Completed
7	2 nd ETBS conference	Council of Scientific and Industrial Research (CSIR)	Sept 2022- Jan 2023	Rs 30,000/		Completed
8	AI Based adaptive and Effective learning	DRID, JIIT	1 year 2023-24	Rs 1 lakhs	Dr. Tirath Raj Singh	Ongoing
9	One week Workshop on Robo-Race and Robo-Wars	IEEE R10 EAC EA Project Development Grant	6 months Aug- Dec 2023	780\$	Dr. Sunil Khah	Completed
10	One week Workshop on Drone Applications and Assembling	IEEE R10 EAC EA Project Development Grant	6 months Aug- Dec 2023	780\$		Completed
11	One week Workshop on DIGITAL LEARNING TO EMPOWER RURAL WOMEN & GIRLS	IEEE R10 EAC EA Project Development Grant	6 months Aug- Dec 2023	800\$	Dr. Rashmi Agarwal	Completed

Patent Granted/ Published/Filled :

S. No	Title of Research	Members	Application No
Granted			
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	Internet of Things (IoT) based infrared health monitoring system for newborn babies	Vivek Sehgal, Shruti Jain , Harsh Sohal, Aman Sharma, ShubhamGoel , Ramesh Panda https://register.dpma.de/DPMAreger/pat/register?AKZ=2020221029261 https://register.dpma.de/DPMAreger/pat/PatSchrifteneinsicht?docId=DE202022102926U1&page=1&dpi=300&lang=de	20 2022 102 926.1 Application No :2022052609014300DE Filed on :May 26, 2022 Registration date : June 24, 2022
3	A Multiplexer based MAC architecture Implementation on FPGA	Rajkumar Sarma, Cherry Bhargava & Shruti Jain	Patent Application Number: 202011026964 Patent No : 508365 Date of Award : 08/02/2024
Published			
1	N-Bit Compressor Based Multiplier 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

2	Artificial Intelligence and Voice Based Patients Monitoring System	SriRamManish Kumar, Firoos A, Aruna M, Shruti Jain , Meenakshi Sood, Samson Isaac, Siva Sathyanarayana, Satheesh Gopiseti, Prabakaran R, Thamaraiselvam S, Sabarimuthu M	TEMP/E-1/53405/2020-CHE Patent Application Number: 202041048080 Published on : Nov 13, 2020
3	Shruti Jain, Yugal Kumar, Jagpreet Sidhu , Arvinder kaur	An IoT-Based Automated DIY Drip Irrigation And Pest Control	Patent Application Number: 202311008596 Published on : Feb 17, 2023 Request for Examination : July 07, 2023
4	Archit Kaushal, Shruti Jain, Sudhir Kumar, Aman Sharma, Saurabh Rawat	Method of Fabrication and arrangement of Anti-Glare Glass for Avoiding accidents of Road	202311029769 Published on : May 26, 2023
5	Anmol Goyal, Vansh Bansal, Himanshu Jindal, Shruti Jain, Monika Bharti	Real-Time Monitoring and Identification System for Diabetic Retinopathy with Remote Consultation Capability	202311041412 Published on : July 21, 2023
6	Shruti Jain, Meenakshi Sood, Pramod Kumar	Household Waste Heat Harvesting System for Energy Generation	202311047900 Published on : Aug 11, 2023
7	Tushar Paul, Priyansh Garg, Rohit Raj, Shruti Jain	Integrative Water Quality Monitoring System: IoT Sensors, ML Analysis, and LLM Guidance for Real-Time Potability Assessment and Sustainable Water Management	202411005596 February 09, 2024
Filled			
1	Shruti Jain, Meenakshi Sood, Pramod Kumar	Water Heaters	Cbrno : 207133 Design Application No : 387868-001 Filled on : June 07, 2023

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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

Evaluator :

University Grants Commission (UGC) research schemes for the year 2022-23 :

1. Dr. D.S. Kothari Research Grant for Newly Recruited Faculty Member
2. Research Grant for In-Service Faculty Members 2022.

Major project evaluation (ECE), University Institute of Technology (UIT), Summer Hill, Shimla-171005, March 10, 2023.

Guest Editor :

1. Shruti Jain, Nikhil Marriwala, “IoT enabled Wireless Biomedical Systems and Sensors” ,Special Issue on Measurements Sensor <https://www.sciencedirect.com/journal/measurement-sensors/special-issue/10RWVFG1TMZ>
<https://www.sciencedirect.com/science/article/pii/S2665917423000867>
2. Sudip Paul, Shruti Jain, “Modern Technological Intervention in Healthcare: Vol 1”, Special Issue on Measurements Sensor <https://www.sciencedirect.com/journal/measurement-sensors/special-issue/10SV36HVLC4>
3. 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/10NS2QPNDJO>
4. 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>
5. 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>
6. 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. Shruti Jain, Nikhil Maraiwalla, Pushpendra Singh, C.C. Tripathi, Dinesh Kumar, Emerging Convergent Technologies and Biological Systems (ETBS 2023), Lecture Notes in Electrical Engineering, ISBN 978-981-99-8646-0, ISSN : 1876-1100
<https://link.springer.com/book/9789819922703>
<https://link.springer.com/book/10.1007/978-981-99-8646-0>
2. Nikhil Maraiwalla, Sunil Dhingra, Shruti Jain, Dinesh Kumar, Mobile Radio Communications and 5G Networks Proceedings of fourth MRCN 2023, Lecture Notes in Networks and Systems, Series, ISBN : 978-981-97-0699-0
<https://link.springer.com/book/9789819706990>
<https://link.springer.com/book/10.1007/978-981-97-0700-3>
3. Shruti Jain, Nikhil Maraiwalla, C.C. Tripathi, Dinesh Kumar, Emerging Convergent Technologies and Biological Systems (ETBS 2022), Lecture Notes in Electrical Engineering, ISBN 978-981-99-2270-3, ISSN : 1876-1100
<https://link.springer.com/book/9789819922703>
4. Nikhil Maraiwalla, C.C. Tripathi, Shruti Jain, Dinesh Kumar Mobile Radio Communications and 5G Networks Proceedings of Third MRCN 2022, Lecture Notes in Networks and Systems, Series, ISSN: 2367-3370, ISBN – 978-981-19-7981-1, 522993
DOI : 10.1007/978-981-19-7982-8.
<https://link.springer.com/book/9789811979835#book-header>
<https://link.springer.com/book/10.1007/978-981-19-7982-8#toc>
5. Nikhil Maraiwalla, Shruti Jain, C.C. Tripathi, Shivakumar Mathapathi, Emerging Convergent Technologies and Biological Systems (ETBS 2021), Lecture Notes in Electrical Engineering, ISSN 1876-1100, ISBN - 978-981-16-8773-0
<https://link.springer.com/book/9789811687730>
<https://link.springer.com/book/10.1007/978-981-16-8774-7>
6. Nikhil Maraiwalla, C.C. Tripathi, Shruti Jain, Dinesh Kumar Proceedings of MRCN 2021, Lecture Notes in Networks and Systems, Series ISSN 2367-3370, ISBN – 978-981-16-7017-6
<https://link.springer.com/book/9789811670176>

- <https://doi.org/10.1007/978-981-16-7018-3>
7. Ayodeji Olalekan Salau, Shruti Jain, Meenakshi Sood, “Paradigms in Computational Intelligence and Data Sciences”, CRC, Taylor & Francis Group, U.K. ISBN:9781032123134
<https://www.taylorfrancis.com/books/edit/10.1201/9781003224068/computational-intelligence-data-sciences-ayodeji-olalekan-salau-shruti-jain-meenakshi-sood?refId=e41e0594-94ed-4252-8eff-e2eadc523720&context=ubx>
 8. 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
 9. 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>
 10. Amit Manocha, Mandeep Singh, Shruti Jain, Vishal Jain, Smart Computational Intelligence in Biomedical and Health Informatics, CRC, Taylor & Francis Group, U.K., 2022, 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>
 11. 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>
 12. 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, 2021
<https://www.springer.com/gp/book/9783030687229>
 13. C.C. Tripathi, NikihilMaraiwalla, Dinesh Kumar, Shruti Jain, “Mobile Radio Communications and 5G Networks 2020, 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>
 14. Shruti Jain, Sudip Paul, “ Recent Trends in Image and Signal Processing in Computer Vision”, Springer, ISBN 978-981-15-2740-1, 2020,
DOI: [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>
 15. Shruti Jain, Meenakshi Sood, Sudip Paul, “Advances in Computational Intelligence Techniques”, Springer,ISBN 978-981-15-2620-6, 2020
<https://link.springer.com/book/10.1007%2F978-981-15-2620-6>
<https://www.springer.com/in/book/9789811526190>
 16. 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>
 17. 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>
 18. 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 2023 published by Elsevier, data compiled by Stanford University.
2. Received best paper award for paper titled “Recognition System for Malarial Parasites Causing Protozoa Infections in Thin Blood Smears”, in the IEEE INDISCON-2023, organized by IEEE Mysore Subsection at GSSS Institute of Engineering & Technology for Women, during 5 -7 August, 2023 in association with IEEE India Council and IEEE Bangalore Section, authored by Himanshu Sharma (B.Tech. CSE & IT, passout 23 batch), Amol Vasudeva, Shruti Jain.
3. 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>
4. International Scientist Awards on Engineering, Science, and Medicine, Sep 10-11, 2021 in Coimbatore, India .
5. Appointed as Executive member in IEEE Delhi section <https://ewh.ieee.org/r10/delhi/>
6. Appointed as Executive Committee member of Biomedical Engineering Society of India (BMESI) : Dr Shruti Jain, Member# L1095 for 2021-23 session.
7. Awarded honorary “Rosalind Member of London Journals Press”, Membership ID#LD66484 for research paper titled “*Instance-Based Learning of Marker Proteins of Carcinoma Cells for Cell Death Survival*” on July 05, 2020.
8. 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>
9. Awarded honorary “Rosalind Member of London Journals Press”, Membership ID#WK14138 for research paper titled “*Comparative Analysis of Various Image Fusion Techniques for Brain Magnetic Resonance Images*” on May 19, 2020.
10. 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 kNN and SVM for AKT Proteins*” on Feb 26, 2020.
11. Appointed as Editor in Chief of ENGMEDNEWS (bimonthly newsletter) : Dr Shruti Jain, Member# L1095 for 2019-21 session
12. “Nation Builder Award” on the occasion of Teacher’s Day / International Literary Day by Rotary Club Shimla, September 2018.
13. Certificate of Appreciation for mentoring project submitted to Texas Instruments Innovation Challenge India Design Contest 2015.
14. Certificate of Appreciation for mentoring project submitted to Envision: the Product Design Competition held during Entrepreneurship Summit 2009.
15. 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 (126003) Jan 21, 2017 JUIT/WKG/2016-17/012	Energy Harvesting Using Piezoelectric Elements to Power Microelectronic Devices http://shodhganga.inflibnet.ac.in/handle/10603/165981	Jaypee University of Information 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/200718/002/1E96/14/0001	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
7	Ms. Garima July 2019 November 03, 2022 JUIT/WKG/2022-23/007	Energy-Efficient Approximate Architectures for Error Tolerant Applications	Jaypee University of Information Technology, Himachal Pradesh, India

Ph.D. Students Supervising :

No	Name of Student	Title	University
1	Ms. Himani Bhardwaj Sep 2020	Design of VLSI Interconnect circuits for Energy Performance optimization	Jaypee University of Information Technology, Himachal Pradesh, India
2	Ms. Anupama Aug 2021	A Computational Framework for Diagnosis of Cancer Employing Hybrid Multimodal image fusion	Jaypee University of Information Technology
3	Ms. Shivani Aug 2021	Text Classification	Jaypee University of Information Technology
4	Ms Triambica Gautam January 2022	Data Envelopment Analysis	Jaypee University of Information Technology

5	Akanksha Nayyar July 2023	Proteome Analysis	Jaypee University of Information Technology
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Postgraduate Students Supervised :

No.	Name of Student	Title
1	Prajwal Jagwan (225111001)	Prediction of Protein Biomarkers for <i>Mycobacterium fortuitum</i> using Machine Learning Technique
2	Shan Ghai (225111004)	Analysis of differentially expressed <i>M. fortuitum</i> proteins for biomarker prediction using Support Vector Machine
3	Shilpa Kaushal (162004)	Evaluation of Empirical Wavelet Transforms For Glaucoma Detection Using Fundus Images
4	Garima Thakur (162005)	High Speed Radix-2 Butterfly Structure Using Novel Wallace Multiplier
5	Mr Amandeep (152012)	Classification of Lung Carcinoma using Texture Features of Ultrasound Images
6	Ms. Shreya Sharma (152013)	Support Vector Machine Based Texture Feature Extraction Technique for Classification of Breast Cancer from Ultrasound Images
7	Ms. Radhika (152016)	FPGA Implementation of Arithmetic Operations Using Quaternary Signed Digit
8	Mr. Sahil Bhusri (142003)	Classification of Breast Lesions for two class using Feature Extraction Techniques.
9	Ms. Shailija Rana (142007)	Analysis and Classification of kidney FOCAL Lesion.
10	Mr Manjeet Singh (132007)	FPGA implementation of High Speed Hybrid CMOS Full adder circuits for Low Power VLSI Design
11	Mr. Sandeep Yadav (112007)	FPGA Implementation of Low Complexity Decoder using LPDC Codes
12	Ms. Suruchi Singh (112016)	Design of Instrumentation amplifier using Operational Transconductance Amplifier and Current Differencing Transconductance Amplifier
13	Mr. Lokesh Kumar (10201)	Design and Implementation of Power Efficient Reconfigurable Fixed Width Baugh-Wooley Multiplier and its Application
14	Mr Hanish Sharma (6594)	Activities of E-Governance in Himachal Pradesh Department of Transport
15	Mr Shantanu Sharma (6564)	Implementation of High Security Vehicles Registration Scheme (Government of Himachal Pradesh)

Undergraduate Projects Supervised :

S.No.	Year	Name of Student	Title
1	2024	Aditya Sood (211269) Pranjal Thakur (211402)	Hand-Gesture Controlled Presentation System
2	2024	Avi Jaiswal (211176) Yashashvi Agnihotri (211189)	Bhuvan Generic Framework using Microservices
3	2024	Siddharth (211079) Shubh Saxena (211191) Shivansh Mehrotra (211202)	Graphical Password by Image Segmentation
4	2023-24	Saksham Maini (201004)	FPGA Implementation of Power Efficient

		Manas Jain (201017)	Multiplier
5	2023-24	Siddharth Misra (201179) Priyank Gupta (201103)	Mouseless & Hands Free Computer Interaction
6	2023-24	Mayank Aryaman (201381)	Interactive Dashboard For Student Analysis
7	2023	Adarsh Verma (201309) Amrit Raj (201254)	Plant Leaf Disease Detection using ML
8	2023	Devanshi Vashistha (201293), Sayam puri (201136)	Brain tumor Detection
9	2023	Aryan Kalsi (201192), Tanish Mahajan (201206)	Signature Verification Model
10	2023	Saksham Maini (201004) Manas Jain (201017)	FPGA Implementation of Multipliers for Image/Signal Processing Application
11	2023	Anmol Goyal (201409) , Sejal Thakur (201377)	Diabetic Retinopathy Using Deep Learning
12	2022-23	Varun Katoch (191016) Karan Verma(191022)	Arduino Based BOT for Detection of Leaf Disease
13	2022-23	Himanshu Sharma (191219) Raven Mehta (191303)	Detection of Malarial Parasite in Blood using Image Processing
14	2022-23	Prazwal Thakur (191380) Kartik Joshi (191384)	Spam Detection in Emails using Machine Learning
15	2022-23	Abhishek Kumar (191367) Jayant Sharma (191430)	Adaptive Teaching on Learning for Education
16	2021-22	Vinayak Tiku (181005)	Detection of Diabetic Retinopathy using Digital Image Processing
17	2021 (Even Sem)	Kshitij (181017)	Diagnostic System for Detection of Epilepsy Using Machine Learning
18	2020-21	Sanket Saxena (171008) Shivam Sinha (171019)	Deep learning-based severity prediction for Diabetic Retinopathy
19	2020-21	Bandana Pal (171057) Surya Mahajan (171060)	Detection of Cerebrovascular Diseases Employing Novel Fusion Technique
20	2019-20	Sanket Saxena (171008) Shivam Sinha (171019)	Computer Aided Diagnostic System for Diabetic Retinopathy Based on Fundus Images using Deep Neural Network
21	2019-20	Bandana Pal (171057) Surya Mahajan (171060)	Implementation and Analysis of a Hybrid Fusion Technique for Biomedical Applications
22	2019-20	Garima Malhotra (161027) Kushagra Srivastava (161033) Manthan Chauhan (161117)	Liver Cancer Detection and Classification Based on Optimum Feature Fusion
23	2019-20	Manasvi Kashyap (161024) Shailu Srivastava (161045) Mohit Garg (161007)	Design of Optimum Finite Impulse Response Digital Filters using Lab View
24	2018-19	Anish Vijan (151005) Mohit Sachdeva (151015) Parth Dubey (151065)	Comparative Analysis of Various Image Fusion Techniques on Multi-sensor and Medical Images
25	2018-19	Krittika Tewari (151087) Shriya Vandita (151092)	Predictive Modeling to Predict Absenteeism in MNC's
26	2017-18	Srijan Thakur (141061)	Theoretical Computational and Experimental Study of Operational Amplifier

27	2017-18	Ashish Saini (141045) Aditya Raj(141051) Nitesh Kumar (141099)	ECG Signal Analysis for Arrhythmia using Back Propagation Neural Network Algorithm
28	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
29	2016-17	Shubham Gupta (131079) Akansha Maheshwari (131102)	VLSI Implementation of Adder Circuits Using Quaternary Signed Digit
30	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
31	2015-16	Shwetaanjali (121087) Ambesh (121088) Akankha Dhiman (121100)	Hardware Optimization & CAD system of an Electrocardiograph Circuit for Lead II
32	2015-16	Palak (121001) AkshayKataria (121004) Abhilasha Chaudhry (121006)	Utilization of Exhaust heat from automotive using Thermopile
33	2015-2016	Shruti Patial (121024) Aditi Prabha (121025) Dhruv Raj Singh (121027)	FPGA Implementation of a AM/FM
34	2015-2016	Paras Goyal (121002) Sachin Arora (121023) Dalchand (121046)	Design and simulation of membership functions for fuzzification module of fuzzy system
35	2014-2015	Aastha Afsar (111007) Rohit Chauhan (111028) Somya Verma (111128)	Energy Harvesting Using Thermoelectric Materials
36	2014-2015	Deepali (111001) Naman Patel (111027) Aditya Gupta (111131)	Design of Digital Circuits Based on Reversible Logic
37	2013-2014	Bhavya Wadhwa (101001) Rishabh Sachdeva (101010) Ubher Khurana (101039)	Trans-conductance Amplifiers
38	2012-2013	Kunal Dutt (091082) Hemank Mehta (091111) Naina Agarwal (091112)	VLSI Implementation of CurrentFeedback Operational Amplifier and Operational Trans-conductance Amplifier.
39	2012-2013	Ankur Agrawal (091004) Abhimanyu Gupta (091006) Arpit Kuthiala (091011)	Implementation of CMOS Current Feedback Miller Compensated Operational Amplifier.
40	2011-2012	Mayank (081058) Akshay (081061) Dinesh (081129)	Fire Fighting Robot
41	2011-2012	JatinPahadia (081038) KshitizVaish (081104) Nalin Yadav (081120)	Digital Implementation of Software Defined Radio Subsystem.
42	2009-2010	Aditya Bhanssali(061011) Ayush Gupta (061040) Swati Bhargava (061131)	Design of a Low Voltage High Performance Current Feedback Operational Amplifier using CMOS.
43	2009-2010	Abhishek Thakur (061009) Piyush Kumar Sharma(061092) Satish Pankaj (061117)	Automatic Dipper Control

44	2009-2010	Shivam Rastogi (061123) Shweta Tiwari (061125) Anshika Chaudhary (061604)	Current Differencing Trans-conductance Amplifiers and their Applications.
45	2008-2009	Ekta Patityal (051005) Pratik Gupta (051020) Yukti Kanwar (051011)	Fingerprint Authentication System
46	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
2023	Coordinator, UTSAH under Resaerch, Innovation and Entrepreneurship	17/11/2023
2023-till date	Member, Ethics Committee, JUIT	JUIT/WKG/REGR/2023-24/0179 September 08, 2023
2023-till date	Member, Internal Quality Assurance Cell	JUIT/WKG/IQACI2023/01(R) Jan 30, 2023
2023-till date	Member, Anti Ragging Squad	JUIT/WKG/REGR/2022-23/0929 June 27,2023
2023- till date	Editor, Hilly Ramblings, JUIT Newsletter	JUIT/WKG/REGR/2022-23/0917 June 24,2023 JUIT/WKG/REGR/2023-24/057 July 26, 2024
2022-Till date	Vice President, Institution Innovation Council	Nov 9, 2023 Oct 19, 2022
2022-Till date	Member, Technical Incubation and Entrepreneurship Development Cell (TIEDC)	JUIT/WKG/REGR/2023-24/0328 October 26, 2023 JUIT/WKG/REGR/2022-23/055 July 27, 2022
Sep 19-25, 2022	Anti Ragging duty (Coordinator)	JUITW/DAR 12022-23107 Sep 15, 2022
2022-23	Member, Screening Committee Expanelled Incubator	JUIT/WKG/REGR/2022-23/062 Aug 03, 2022
2022-23	Member, Innovation and Start up	JUITW/WKG/REGR/2022-23/021 July 07, 2022
2022-23	STRIDE, Convener, UGC Task Group MULYA PRAVAH, UGC Task Group PARAMARSH, UGC Task Group	JUITW/WKG/REGR/2022-23/007 July 05, 2022
2022-23	Member, Anti ragging squad	JUIT/WKG/REGR/2021-22/484
2022-Present	Chairperson, Curriculum Aspects, IQAC	JUITW/WKG/VC/2021-22/015
2022-Present	PhD Examination Committee, ECE	JUITW/DAR/2021-22/002

2021-Present	Chairperson, e-Governance Committee, JUIT	JUITW/WKG/REGR/2021-22/215 JUIT/WKG/REGR/2023-24/001 July 01,2023
2021-22	Committee for proposal of PURSUE scheme 2021 under DST	JUITW/WKG/REGR/2021-22/004
2021- Present	Member of University Level Committee	JUITW/WKG/REGR/2021-22/137
2021-Present	IEEE JUIT Student Branch Counselor	JUITW/WKG/REGR/2021-22/045
2020-21	Covid Help Group Member	JUITW/WKG/REGR/2020-21/0813
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
2020-22	Member Secretary, IPR Cell JUIT, Solan	JUITW/WKG/REGR/2021-22/306 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
2019-24	Member: Technical Club, Photography Club and Movie Club	JUITW/WKNG/JYC/2023-24/098 JUITW/WKNG/JYC/2022-23/116 JUITW/WKNG/JYC/2021-22/115 JUITW/WKG/REGR/2020-21/0771 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/2022-23/021 July 07, 2022 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- July 2022	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, Rctract Club, from JUIT	
March 2018- Present	Member of Student Counseling Committee, JUIT	JUITW/WKG/REGR/2023-24/0104 dtd Aug 9, 2023 JUITW/WKG/REGR/2022-23/075dtd Aug 09, 2022 JUITW/WKG/REGR/2021-22/151dtd 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
2022-24	Consultative Committee	
2022-24	Course Curriculum Revision Committee	
2022-24	Departmental Quality Assurance Committee	
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 Adhoc Networks**” 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 Javed Arif 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.
- 10) “**Efficient Energy Harvester Design From Waste Heat**” EIECC 2022 keynote speaker--2022 2nd International Conference on Electronic Information Engineering and Computer Communication, Xian, China, November 25-27, 2022 on 26/11/2022.
<http://eiecc.org/speaker>

Resource Person:

1. Resource Person in two days Orientation Induction Program for Induction Program for M.Sc/M.Tech. First Students of Deptt of BT & BI at Jaypee University of Information Technology, Waknaghat on Aug 03, 2023
2. Resource Person in one week Orientation Induction Program of Faculty at Jaypee University of Information Technology, Waknaghat on Sept 14, 2022.
3. Resource Person in 10 days Induction Program of First year students at Jaypee University of Information Technology, Waknaghat. September 01-10, 2021.
4. Resource Person in one week Orientation Induction Program of Faculty at Jaypee University of Information Technology, Waknaghat vide JUIT/WKG/REGR/ 2021-22/016 on July 13, 2021.
5. Resource Person in one day Orientation Induction Program of Faculty at Jaypee University of Information Technology, Waknaghat vide JUIT/WKG/REGR/ 2020-21/0234 on Sep 19, 2020.

6. Resource Person in eight days Orientation Induction Program of Faculty at Jaypee University of Information Technology, Wagnaghat from Sep 01-08, 2020
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 18- Aug 03, 2019
8. 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
9. 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
10. 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
11. 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, Aligarh, 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, Waknaghat 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 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.
20. Delivered lecture on “Computational Intelligence Techniques and its Application”, on Feb 16, 2022 in UGC-HRDC, NEHU Refresher Course in Biomedical, from 16th February – 1st March 2022 organised by Department of Biomedical Engineering, SoT, NEHU, Shillong.
21. Delivered lecture on “Medical image processing based on fusion and de-noising approaches”, on Feb 22, 2022 in UGC-HRDC, NEHU Refresher Course in Biomedical, from 16th February – 1st March 2022 organised by Department of Biomedical Engineering, SoT, NEHU, Shillong.
22. Delivered lecture on “Machine Learning Techniques for Medical Image Analysis”, on Feb 28, 2022 in UGC-HRDC, NEHU Refresher Course in Biomedical, from 16th February – 1st March 2022 organised by Department of Biomedical Engineering, SoT, NEHU, Shillong.
23. Delivered a lecture on “ECG Analysis for Robust Optimal Thresholding System Design “ on March 11, 2022 in Short Term Course(STC) on "Machine Learning and its Applications" from 07th March to 12th March 2022 sponsored by Quality Improvement Program (QIP) Cell (AICTE), IITN.
24. Delivered Lecture on “Futuristic Trends And Challenges In Signal Processing”, Atria Institute of Technology (AIT), Bangalore 21st May 2022.
25. Delivered Lecture on “Topics related to recent trends in VLSI applications in signal processing”, with Hand’s on Session at University Institute of Engineering and Technology (UIET) Kurukshetra, India on November 02-03, 2022.
26. Delivered Lecture on “Energy Harvesting Systems”, with Hand’s on Session at J.C.Bose University of Science & Technology, YMCA, India on December 01-02, 2022.
27. Delivered Lecture on “Idea to Product: A Research Pathway to Students” at IGDTUW, Dec 17, 2022.
28. Delivered Lecture on “Overview of VLSI Design” in ECE Summer Training - 2023, July 03 – 15, 2023, Department of Electronics and Communication Engineering , Jaypee University of Information Technology, Waknaghat, India on July 03, 2023.

29. Delivered talk for a Seminar on “Volunteer Training- WIE Track” in IEEE Delhi Section Students - Young Professionals - Women in Engineering - LifeMember - Congress 2023 (DSSYWLC'23), on 20th January 2024 from 2:00 PM at Netaji Subhas University Of Technology, New Delhi.
30. Delivered expert talk on Ink to Insights: The art of Writing a research paper on February 06, 2024, in WIEmpower 5.0 organized by IEEE IGDUTW Student Branch, Indira Gandhi Delhi Technical University for Women, Delhi.
31. Delivered expert talk on “Empowering Women in Innovation; Breaking Barriers and Driving Process” in one week Faculty Development Program (FDP) on Women in Innovation and Entrepreneur Development (WIED) from March 11-15, 2024 in collaboration with Intellectual Property Rights Cell (IPR), National IP Awareness Mission (NIPAM) and Institution’s Innovation Council (IIC) on March 15, 2024.
32. Delivered Expert talk on “Innovations in Industrial Design” and “IPR awareness in India” in one week training cum workshop on Intellectual Property Rights organised by IQAC, Rajkiya Kanya Mahavidhyalaya (RKMV) Shimla in collaboration with HIMCOSTE on March 21, 2024 and March 26, 2024 respectively.
33. Delivered Expert talk on “ Role of IPR in sustainable development of Himachal Pradesh”, in order to celebrate World Intellectual Property Day organized by IPR cell JUIT in collaboration with IIC on April 26, 2024.

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.
16. <http://informaticsindia.co.in/SpecialSession-01.html>
17. 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), 20-21 March, 2020, Central University of Jammu, J & K.
20. IEEE International Conference on Computational Performance Evaluation (ComPE) North - Eastern Hill University, Shillong, Meghalaya, India, Jul 2-4, 2020.
21. 1st International Conference on 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. 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)
27. 6th International Conference on Signal Processing, Computing and Control (ISPCC2K21), October 07-09, 2021
28. 2021 7th International Conference on Signal Processing and Communication (ICSC), November 25-27, 2021
29. 6th International Conference on Image Information Processing, ICIP 2021, November 26 - 28, 2021.
30. Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2022), NSUT, Delhi, 11-13th February 2022.
31. International Conference in Mobile Radio Communications and 5G Networks MRCN-2022, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, August 05-06, 2022 (Springer).
32. International Conference on Machine Learning and Data Engineering, UPES Dehradun, India, September 07-08, 2022.
33. The International Conference on Parallel, Distributed and Grid Computing (PDGC 2022), Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh, India, November 25-27, 2022.
34. The Fifth International Conference on Multimedia, Signal Processing, and Communication Technologies (IMPACT-2022), AMU, Aligarh, India, 26-27 November 2022.
35. 2nd International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2022), JUIT, September 23-24, 2022 (Springer)
36. Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2023), Chitkara University, Rajpura, 24-26 February 2023.
37. 6th International Conference on Communications and Cyber-Physical Engineering (ICCCE – 2023), CMR Engineering College, Hyderabad, India-501401, 28-29 April, 2023.
38. 3rd International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2022), JUIT, May 15-17, 2023 (Springer).
39. International Conference in Mobile Radio Communications and 5G Networks MRCN-2023, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, August 25-26, 2023 (Springer).
40. 2023 Seventh International Conference on Image Information Processing (ICIIP -2023) from November 22-24, 2023, at JUIT, Himachal Pradesh.
41. International Conference on Machine Learning and Data Engineering (ICMLDE 2023), 23 - 24 November 2023, UPES, Dehradun, India.
42. 9th International Conference on Signal Processing and Communication (ICSC 2023), Department of Electronics and Communication Engineering, JIIT, Noida, U.P., India, 21-23 Dec, 2023.

43. 2023 Seventh International Conference on Image Information Processing (ICIIP -2023), November 22 - 24, 2023 at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh, INDIA.

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) 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
<https://ieeexplore.ieee.org/xpl/conhome/9609332/proceeding>
8. **Organizing Committee Chair**, Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2022), 11-13th February 2022.
<https://www.delcon2021.com/committee/oc.html>
9. **Conference General Chair** : International Conference in Mobile Radio Communications and 5G Networks MRCN-2022, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, August 05-06, 2022 (Springer)
10. **Conference General Chair** : International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2022), JUIT, September 23-24, 2022 (Springer)
11. **Conference General Chair** : International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2023), JUIT, May 15-17, 2023 (Springer)

12. **Conference Secretary** : International Conference in Mobile Radio Communications and 5G Networks MRCN-2023, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, August 25-26, 2023 (Springer).
13. **Conference Secretary** : International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2024), April 27-29, 2024 (Springer).

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. Organized poster design/ slogan/innovative ideas “PINNACLE” by Public Relations & Publication Standing Committee of IEEE Delhi Section from August 20-October 01, 2022
2. Organised UI/UX & Web Development Bootcamp Technical Sciences, by Movies and Photography Club of JUIT Youth Club from Jan 5-24, 2022.
3. Organised ‘Ideathon 2021’, by DRISHTI: IEEE-SIGHT (JUIT-SB)in collaboration with IEEE Delhi section from November 27-December 28, 2021
4. 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

15 days

1. Organised Poster Presentation Competition: Explore CHANDRAYAAN-3: "LUNAR Canvas" by Membership development committee in collaboration with WIE AG and Student activity committee, IEEE Delhi Section from Sep 21-Oct 03, 2023.
2. Organized Designing Competition for Mugs, Tshirts, and Diaries on Sustainable Development Goals (SDGs) by Public Relation and Publication Standing committee, IEEE Delhi Section in collaboration with, IEEE JUIT SB and IEEE YMCA SB from April 04-21, 2023.
3. Organized Fempreneur from March 13- 25, 2023 by IPR cell, JUIT Waknaghat.
4. Organized Design-a-thon on Equality & Racial discrimination and Casteism in Present India from Feb 27- March 15, 2023 by Complaint against Caste Based Committee, JUIT Waknaghat.
5. Organized Innovation, Research and Development (IRD) Competition in collaboration with IPR cell and TIEDC from Aug 16- Sep 05, 2022.
6. Organized “Slogan Writing Competition” on Integrated approach in Science and Technology for a sustainable future from Feb 24-March 8 ,2022 by ICC and Caste based Discrimination Committee, JUIT, Solan.
<https://www.juit.ac.in/committeesjuit/icc/Reportonsloganwriting24Feb-8Mar2022.pdf>

Ten days

1. Organised GRAPHICA”: UI/UX design competition from January 1 -11, 2024 by IEEE WIE AG Delhi Section.
2. Organised Photography Competition on the theme “Mother Nature” in collaboration with IEEE JUIT SB, ACM JUIT, SIAM JUIT, TIEDC, and Technical and Sciences Club (JYC), Jaypee University of Information Technology. October 01-09, 2023.
3. Organized Digital Poster Design Competition on “Technology to improve Rural Life” by SIGHT, IEEE DELHI SECTION in collaboration with DRISHTI SIGHT JUIT and SIGHT JCBUST from October 04- 12, 2022.

4. 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>
5. 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 one week Faculty Development Program (FDP) on Women in Innovation and Entrepreneur Development (WIED) from March 11-15, 2024 in collaboration with Intellectual Property Rights Cell (IPR), National IP Awareness Mission (NIPAM) and Institution’s Innovation Council (IIC).
2. Organized one week Hand’s-on Workshop on "VLSI Design" at Jaypee University of Information Technology, Solan in collaboration with the Department of Technical Education, Vocational and Industrial Training, Government of Himachal Pradesh from March 04-09, 2024.
3. Organized One week ‘Megadrone’ workshop by IEEE JUIT SB in collaboration with IEEE R10 education activities and IEEE Delhi section from August 24 -30, 2023, in ECL5, Jaypee University of Information Technology, Solan, Himachal Pradesh, India.
4. Organized One week ‘ROBOTRIX’ workshop by IEEE JUIT SB in collaboration with IEEE R10 education activities and IEEE Delhi section from August 17–23, 2023, in ECL5, Jaypee University of Information Technology, Solan, Himachal Pradesh, India.
5. Organized Digital Poster Design Competition on National Girl Child Day by IEEE WIE JUIT SB from Jan 24-29, 2023.
6. Organized Digital Poster Design Competition on “Code of Ethics” by Caste based discrimination Committee in collaboration with Ethics Committee JUIT from Nov 01-07, 2022.
7. Organized One week National level workshop on IoT entitled “GALACTECH” by IEEE R10 Region, SAC IEEE Delhi Section, JUIT SB and JCBUST YMCA SB powered by Educlouds from September 19-25, 2022.
8. Organized “Business out of Used Plastics”, IPR cell, JUIT from Sep 14-21, 2022
9. Organized Cyber Security workshop on ‘CyberVerse 2.0’ by IEEE R10 Region in collaboration with SAC IEEE Delhi Section, JUIT SB AND JCBUST YMCA SB (Interuniversity/ Collaborative activity) from August 22-26, 2022.
10. Coordinated Online National-level Faculty Development Program “NEP 2020 Implementation in Higher Education Institutes” from May 9-13, 2022 organized by NITTTR, Chandigarh
<https://www.juit.ac.in/NEP/Report9-13May2022.pdf>
11. Organized IoT Workshop ,by IEEE JUIT SB from March 7-12, 2022
12. Organized “essay writing competition” on Women in Innovation and Engineering" from 7th November to 13th November 2021 by IEEE WIE JUIT SB.
13. Organized Research and Innovation Showcase (RAISE) from March 20 - 25, 2021, IPR Cell, JUIT, Solan.
14. Organized one week workshop “Women innovation and IPR” from March 08-13, 2021, IPR Cell, JUIT, Solan.
15. Organized “e-essay competition”, from Feb 22-27, 2021 by Caste based Discrimination Committee, JUIT, Solan.
16. 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.
17. Organized Logo designing competition of Rotaract club, Wagnaghat from June 14-21, 2020 via online mode.
18. 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>
19. Convener of One week workshop on Machine Learning from Nov 18-24, 2019 by Technical Club, Jaypee University of Information Technology, Himachal Pradesh, India.
20. Convener of One week Workshop on Web Development from Nov 06-11, 2019by Technical Club, Jaypee University of Information Technology, Himachal Pradesh, India.
21. 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.
22. 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>

23. 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.
24. 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.
<http://www.juit.ac.in/FDPonEmergingTrendsInVLSIandCommunication.php>

Five days

1. Organised Poster Competition on Water Pollution and Energy Conservation by IIC JUIT from March 16-20, 2024
2. Organized Sustainable Development, Ideation, IEEE SIGHT JUIT-SB, Feb -7-11, 2023
3. Organized ‘Upcycle Denim’ by DRISHTI: IEEE-SIGHT (JUIT-SB) in collaboration with Rotaract Club of Wagnaghat from Dec 07-11, 2021
4. Organized State of the Arts by Rotaract club, Wagnaghat from December 23-27, 2020
5. 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. UI sessions by IEEE JUIT SB, JUIT, from Nov 02-05, 2023.
2. UI/UX and Web Development Bootcamp 2023 by Technical Sciences and Photography club, JUIT, from April 18-21, 2023.
3. 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 Technical Event “R& D expo” in collaboration with IEEE JUIT student branch, on May 3-5, 2024 at Jaypee University of Information Technology, Himachal Pradesh, India.
2. Organised Startup Mania 2.0 from April 26-28, 2024 by TIEDC, Jaypee University of Information Technology, Himachal Pradesh, India.
3. Organised RIDE HACK’24-Phase 1 a 48 hrs Hackathon from April 25-27, 2024 at Jaypee University of Information Technology, Himachal Pradesh, India.
4. Organized Technical Event “*Murious18*” in collaboration with IEEE student branch, JUIT and ACM, JUIT from March 8-10, 2024 at Jaypee University of Information Technology, Himachal Pradesh, India.
5. Organised Enigma, by IEEE JUIT SB from Dec 01-03, 2023.
6. Organized Learn Expo, Video Editing Bootcamp by Technical Sciences club JYC and TIEDC, JUIT from Oct 30-Nov 01, 2023 at Jaypee University of Information Technology, Himachal Pradesh, India.
7. Organized Technical Event “R& D expo” in collaboration with IEEE student branch, JUIT and ACM, JUIT on April 21-23, 2023 at Jaypee University of Information Technology, Himachal Pradesh, India.
8. Organized Technical Event “*Murious17*” in collaboration with IEEE student branch, JUIT and ACM, JUIT from Feb 24-26, 2023 at Jaypee University of Information Technology, Himachal Pradesh, India.
9. Organized Photoshop bootcamp 2022 by Technical Sciences and Photography club, JUIT, from Nov 07-09, 2022
10. Organized Student Interaction by Prof. B.R. Mehta Ji, DRID, JIIT from Aug 03-05, 2022
11. Organized Technical Event “R& D expo” in collaboration with IEEE student branch, JUIT and ACM, JUIT on April 29 – May 1, 2022 at Jaypee University of Information Technology, Himachal Pradesh, India.
12. Organized Technical Event “*Murious16*” in collaboration with IEEE student branch, JUIT and ACM, JUIT from March 25-27, 2022 at Jaypee University of Information Technology, Himachal Pradesh, India.
13. Organized IEEE WIE event “Minscape 2.0”, Nov 19-21, 2021.
14. Organized IEEE Sight event “Revival SIGHT”, Oct 8-10, 2021
15. Organized, coordinated, and judged 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.

16. 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.
17. 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.
18. Organized three day workshop on “*Biomedical Signal Processing in Computer Vision - Techniques and Advancements*” by the experts from ADInstruments, 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>
19. 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>
20. Organized three day “Institutional visit of M.Sc. Students” of Sambalpur University, Odisha from February 28 to March 2, 2018 in JUIT Waknaghat.
21. Chairperson of Technical Event “*Murious XI*” in collaboration with IEEE student branch, JYC and ACM, JUIT from February 10 - 12, 2018 at Jaypee University of Information Technology, Himachal Pradesh, India.
22. 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>
23. Organized three day workshop on “*Bio Medical Signal Processing (Wired techniques v/s Wireless techniques)*” by the experts from ADInstruments, 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
24. 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
25. 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
26. Organized Technical Event “*Murious X*” from January 29 - 31, 2016 at Jaypee University of Information Technology, Himachal Pradesh, India.
27. Organizing Committee member of 4th IEEE International Conference on signal processing and control (ISPCC 2017), Jaypee University of Information technology, Waknaghat, 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
28. Organizing Committee member of 2015 IEEE International Conference on signal processing and control (ISPCC 2015), Jaypee University of Information technology, Waknaghat, 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>
29. Organizing Committee member of 2013 IEEE International Conference on signal processing and control (ISPCC 2013), Jaypee University of Information technology, Waknaghat, Solan, H.P, India, September 26-28, 2013.
http://www.juit.ac.in/ispcc_2013/org_committee.php
30. 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 EXPANSE 3.0 X BIOHACKATHON, 18-hour hackathon, in collaboration with Synapse (Department of BT/BI, JUIT) and Technical Movies and Photography Club of JYC, JUIT on 8th March, 2024.
2. Organised Hack-a-Care: Hackathon for a Cause by the Rotaract Club of Waknaghat along with Center of Excellence on AI based Education orchestrated from 28th – 29th October, 2023.

3. Organised “Concept Catalyst, Ideation’23” in collaboration with Technical Sciences, Movies and Photography Club, TIEDC, IEEE JUIT SB, SIAM and ACM at Jaypee University of Information Technology from Oct 8-9, 2023.
4. Organised two-day Photoshop Workshop, by Technical Sciences, Movies and Photography Club, TIEDC, IEEE and ACM at Jaypee University of Information Technology from Oct 4-5, 2023.
5. Organized two days workshop on Intellectual Property Rights (IPR) Awareness Programme by the IPR cell, Jaypee University of Information Technology (JUIT) in collaboration with Himachal Pradesh Council for Science Technology and Environment (HIMCOSTE) under National Intellectual Property Awareness Mission (NIPAM 2.0) by Office of Controller General of Patents, Designs and Trademarks (CGPDTM), Department for Promotion of Industry and Internal Trade (DPIIT) at Jaypee University of Information Technology, Solan on March 15-16, 2023.
6. Organised visit of B.R. Mehta Ji, VC JIIT Noida & Director, Research, Innovation and Development and Vishal Chadha Ji, International Cooperation, Emerging Technologies Centre and RIDE (Research, Innovation, Development & Entrepreneurship) from February 20-21, 2023, at JUIT
7. Organised “ National Start up day”, Technology Incubation and Entrepreneurship Development Cell (TIEDC), Jan 15-16, 2023, JUIT.
8. Presentation of Pre-startup projects and interaction with first year students, Nov 17-18, 2022 at at Jaypee University of Information Technology, Himachal Pradesh, India.
9. Organized “ Impractical Ideation” in collaboration with IEEE student branch, and TIEDC from Nov 10-11, 2022 at Jaypee University of Information Technology, Himachal Pradesh, India.
10. Organized 1 slide presentation (1SP) from Sep 12-13, 2022
11. Organized “Meraki - Put your heart and soul in what you do”, to celebrate IEEE SIGHT Day 2022 by IEEE SIGHT JUIT Student branch on 2nd - 3rd May 2022
12. Organized cyber security event CyberVerse 2021, on September 11-12, 2021.
13. 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.
14. 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>
15. 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>
16. 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>
17. 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>
18. 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, Waknaghat, Solan, H.P. in collaboration with CoreEL Technologies, Delhi.
<http://www.juit.ac.in/departement/Electronics/WorkshoponLatestEDATools31-Nov012018.pdf>
19. 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.
20. 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>
21. Organized “Orientation Program for First year Students”, Aug 11 – 12, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India.

One day

1. Organised Guessing Guns, Membership Development Committee, IEEE Delhi Section, May 12, 2024.

2. Organised Photography Competition for the students on the theme 'Today's Technology' to celebrate National Technology Day by Institution's Innovation Council (IIC) of Jaypee University of Information Technology (JUIT), Wagnaghat, with Jaypee Youth Club's Technical, Movie, and Photography Club, on May 11, 2024.
3. Organised Exhibit Expanse on April 5, 2024, and Innovation Expo on May 4, 2024.
4. Organized Debate / Group Discussion Event on "Artificial Intelligence - Boon or Curse", by Center of Excellence in "Artificial Intelligence for Education", on March 21, 2024
5. Organised Fininvestor by Technology Incubation & Entrepreneurship Development Cell (TIEDC) and Institution's Innovation Council (IIC) on 5th March, 2024.
6. Organised Unlocking Creativity: An Introduction to Generative AI, Machine Learning, and Python by IEEE JUIT Student Branch and Institution's Innovation Council (IIC) on 6th March, 2024.
7. Organised CYBERSAVVY: Securing Your Digital World, by Institution's Innovation Council (IIC) on 7th March 2024.
8. Organised Storage Wars-Innovation ThinkBox by Technology Incubation & Entrepreneurship Development Cell (TIEDC) and Institution's Innovation Council (IIC) on 9th March, 2024.
9. Organised LinkedIn Workshop with Aditi Sharma, 20th January, 2024, 6:00 pm, hosted by the Rotaract Club of Wagnaghat.
10. Organised Quiz Competition on GST at District level by State Taxes & Excise for 55th Foundation Day on Nov 25, 2023 at JUIT
11. Organised Innovate-a-thon to celebrate Innovation Day in collaboration with IEEE JUIT SB, ACM JUIT, SIAM JUIT, TIEDC, and Technical and Sciences Club (JYC), Jaypee University of Information Technology. October 15, 2023.
12. Organised "Tech Mavens" by IEEE Women in Engineering (WIE) , JUIT SB, the IEEE WIE Affinity Group (WIE AG) Delhi Section and YMCA Faridabad SB, 7th Oct, 2023.
13. Organized "Future Business Sharks 2.0" in collaboration with IEEE JUIT SB, ACM JUIT, SIAM JUIT, TIEDC, and Technical and Sciences Club (JYC), Jaypee University of Information Technology. September 27, 2023.
14. Organized TECHWHIZ - The Engineer's Quest in collaboration with IEEE JUIT SB, ACM JUIT, SIAM JUIT, TIEDC, Alumni Cell, and Technical and Sciences Club (JYC), Jaypee University of Information Technology to commemorate National Engineer's Day, September 15, 2023.
15. Organised visit of Professor C R Suri (Chairman of the Management Committee of DST-TEC), Professor Rupinder Tewari (DST appointed mentor of DST-TEC), and Professor Manu Sharma (Coordinator of TEC) on June 10, 2023 (Saturday), at JUIT.
16. Organized one day seminar on Sensitization of UG/PG students in occasion of World IPR day by IPR cell, JUIT on April 26, 2023.
17. Organised "Style Wars" by IEEE JUIT-SB in collaboration with IEEE WIE AG Delhi on 22nd April 2023 at Jaypee University of Information Technology (JUIT), Wagnaghat, Himachal Pradesh, India
18. Organised 18-hour hackathon, by IEEE-JUIT SB in collaboration with IEEE Delhi Section and IEEE YMCA SB at Jaypee University of Information Technology (JUIT), Wagnaghat, Himachal Pradesh, India on April 22, 2023.
19. Organised visit of Sh. Anil Mohan Ji, Sr. President, Jaypee Associates Ltd, and Sh. D.S. Ahuja Ji, Director, Kanpur Fertilizers and Chemical Ltd (KFCL) on April 10, 2023 at JUIT.
20. Organised Zero Discrimination Day, on 1st March, 2023, by Complaint against Caste Based Committee, JUIT Wagnaghat
21. Organised The Bridge : Tech to Innovation, Industry Academia Collaboration conducted by IEEE JUIT SB and Technology Incubation and Entrepreneurship Development Cell (TIEDC) in collaboration with IEEE R10 region, India Council, Industry Relation & Education Activities of IEEE Calcutta, & IEEE Delhi Section organized at Jaypee University of Information Technology, Solan, Himachal Pradesh on Friday, November 11, 2022.
22. Organized "Designing Competition" by WIE, IEEE , Solan, Himachal Pradesh on Wednesday, November 12, 2022
23. Organized the Donation Drive "PAUSE FOR THE CAUSE" by IEEE SIGHT JUIT-SB in collaboration with IEEE JUIT-SB on November 5, 2022, at 2:00 PM with the intent to thank all the dedicated workers of Jaypee University of Information Technology, Wagnaghat.
24. Organised Coding Contest "In the Loop" by IEEE JUIT-SB in collaboration with IEEE MDC at Jaypee University of Information Technology (JUIT), Solan, Himachal Pradesh on Wednesday, October 12, 2022
25. Debate/Declamation "Caste system and Its perspective in Present scenario" on 23rd August 2022 by Caste Based Discrimination Committee, JUIT.
26. Organised, Ayushman Bharat Diwas, May13, 2022

27. Organised Denim Products Donation Drive, 2nd April 2022
28. Organized IEEE Day, Oct 5, 2021
29. Inaugural Ceremony of "DRISHTI" - IEEE SIGHT JUIT, October 01 , 2021
30. Organized, GitHub, HACKTOBERFEST conducted by Digital Ocean, 30th September, 2021
31. Organized CETPA Workshop on Python, September 02, 2021
32. Celebrated Women Equality Day, August 26, 2021, by ICC Committee, JUIT, Solan.
<https://www.juit.ac.in/committeesjuit/icc/WomenEqualitydayreport.pdf>
33. Celebrated IEEE WIE day on June 24, 2021 at 7:00PM by organized project presentation by girls' students of JUIT, Solan
34. 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
35. 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
36. Organized Pop Quiz on August 2, 2020 at 7 PM
37. Organized Teacher's Day Tribute on Sept 5, 2020
38. Organized Aagman (Fresher's) on Sept 5, 2020 at 6:15PM
39. Organized Rachna on September 19, 2020
40. 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.
41. 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.
42. 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.
43. 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>
44. Organized one day "Visit at Advanced Studies, Shimla on July 27, 2018.
45. Organized one day "Visit at Advanced Studies, Shimla on July 22, 2018.
46. Organized Industrial Visit of 3rd year ECE students on April 13, 2018 at CDAC Mohali.
47. 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.
48. 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.
49. 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%2013,%202017.pdf>
50. Organized one day "Visit to JUIT for Pinegrove 11th and 12th Medical and Non-Medical students" on July 29, 2017 in JUIT Wanknaghat.
51. 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.
52. 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).
53. 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>
54. 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/department/electronics/onedayworkshop-report_ECE.pdf

55. 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.
24. Organised webinar on "Conscious Transformation Through Sustainability" by Ms. Shubhangi Ghosh, Director Operations, Sustainable India, on March 08, 2022 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%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. International Conference on Machine Learning and Data Engineering, UPES Dehradun, India, September 07-08, 2022 (Online) Procedia Computer Science Journal, Elsevier.
2. International Conference in Mobile Radio Communications and 5G Networks MRCN-2022, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, August 05-06, 2022 (Springer)
3. Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2022), February 11-13, 2022.
4. IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), Dhaka Bangladesh, Dec 3-5, 2021.
5. 7th International Conference on Signal Processing and Communication (ICSC), November 25-27, 2021.
6. 2021 6th International Conference on Image Information Processing, November 26 - 28, 2021
7. 6th International Conference on Signal Processing, Computing and Control (ISPCC2K21), October 07-09, 2021
8. 2021 IEEE International Conference on Computing, Power and Communication Technologies (GUCON), September 24-26, 2021
9. Mobile Radio Communications and 5G Networks, Springer, Singapore, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, June 23-24, 2021
10. The 4th International Conference on Recent Innovations in Computing (ICRIC-2021), May 08-09, 2021, Central University of Jammu, J & K.
11. 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)
12. 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)
13. International Conference on Innovations in Information and Communication Technologies, ITS, Mohan Nagar, Ghaziabad, UP, India, 7-8 November, 2020
14. 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information Technology, Wagnaghat, India, November 06-08, 2020 (online mode)

15. Soft Computing Research Society and Congress on Intelligent Systems (CIS) 2020, from September 05-06, 2020 (online mode)
16. 1st International Conference on Mobile Radio Communications and 5G Networks MRCN-2020, U.I.E.T-KUK, July 13-15, 2020 (Springer) (online mode)
17. IEEE International Conference on Computational Performance Evaluation (ComPE) North - Eastern Hill University, Shillong, Meghalaya, India, Jul 2-4, 2020 (online mode)
18. The 3rd International Conference on Recent Innovations in Computing (ICRIC-2020), 20-21 March, 2020, Central University of Jammu, J & K (online mode)
19. 2019 Fifth International Conference on Image Information Processing (ICIIP), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, November 15-17, 2019.
20. 5th IEEE International Conference on signal processing and control (ISPC 2k19), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, October 10-12, 2019.
21. International Conference on Computational Intelligence and data Science (ICCIDS 2019), North Cap University, Gurugram, India, September 06-07, 2019.
22. 3rd International Conference on Advanced Informatics for Computing Research (ICAICR-2019), Shimla, India, June 15-16, 2019
23. 5th International Conference on Signal Processing and Communication (ICSC-2019), March 07-09, 2019, Jaypee Institute of Information Technology, Noida (INDIA).
24. 2nd International Conference on Recent Innovations in Computing (ICRIC-2019), March 08 – 09, 2019, Central University of Jammu, J & K
25. International Conference on Sustainable Computing in Science, Technology and Management February 26 - 28, 2019, Amity University Rajasthan, Jaipur, India.
26. Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India. Dec 20-22, 2018.
27. 2nd International Conference on Advanced Informatics for Computing Research (ICAICR-2018), July 14-15, 2018, Shimla, India
28. 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.
29. 2017 Fourth International Conference on Image Information Processing (ICIIP -2017), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, December 21 - 23, 2017
30. 4th IEEE International Conference on signal processing and control (ISPC 2017), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, September 21-23, 2017.
31. 11th INDIACOM: 4th 2017 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 1-3, 2017.
32. 2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC), December 22nd – 24th, 2016, Jaypee University of Information technology, Wagnaghat, Solan, H.P, India
33. 10th INDIACOM: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 16th – 18th, 2016.
34. 2015 IEEE International Conference on signal processing and control (ISPC 2015), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, September 24-26, 2015.
35. Control System and Power Electronics – CSPE 2015, Bangalore, Aug 1-2, 2015.
36. International Conference on Information and Communication Technology for Sustainable Development (ICT4SD - 2015), Ahmedabad, India. July 3-4 2015.
37. National Seminar on Recent Trends in VLSI and Embedded Systems (RTVES-2014), at Jaipur National University, Jaipur, Rajasthan, India. Oct 15-16, 2014.
38. International Conference on Advances in Computing, Electronics and Communication (ICACEC), Warangal. November 30, 2014
39. National Seminar on Recent Trends in VLSI and Embedded Systems (RTVES-2014), at Jaipur National University, Jaipur, Rajasthan, India. Oct 15-16, 2014.
40. 2013 IEEE International Conference on signal processing and control (ISPC 2013), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, September 26-28, 2013.
41. The International Conference on Signal Processing, computing and control (ISPC 2012), March 15-17, 2012, JUIT, Solan, India.
42. 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

43. International Conference on Computational Intelligence and Communication Networks (CICN2011), Gwalior, India. Oct 07-09, 2011
44. 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
45. ICWET 2010, International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering & Technology, Mumbai, India. February 26-27, 2010
46. 2010 International Conference on Signal Acquisition and Processing, Bangalore, India. February 9-10, 2010
47. 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
48. 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
49. IEEE International Advanced Computing Conference IACC'09, Thapar University, Patiala, Punjab, India. March 6-7, 2009
50. 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
51. International conference on Advanced Computing Technologies (ICACT '08), Hyderabad, India. December 26-27, 2008
52. 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
53. National Seminar on Some aspects Of Recent Trends in Engineering and Technology, Punjab College of engineering & Technology, Malakpur, Lalru, Mohali, Punjab. Feb 28, 2007
54. National Conference on Wireless Networks & Embedded systems (WNES-2006), Chitkara Institute Of Engineering & Technology, Rajpura, Patiala, Punjab. July 28, 2006
55. Asian Conference on Intelligent Systems & Networks (AISN 2006), HEC Jagadhri, Haryana. Feb 24-25th 2006
56. IMS Conference-2006, Electronics Science Department, Kurukshetra University, Kurukshetra. Feb 17-18th 2006
57. National Conference on Information & Communication Technology Recent Advances & Applications (ICT 2006), JMIT Radaur, Haryana Feb 9-11th 2006
58. INNOVATIONS 2005, Baba Banda Singh Bahadur Engg College, Fatehgarh Sahib, Punjab. Nov 25-26th 2005
59. NCMTICT 2005, Maharishi Markandeshwar Engg College, Mullana, Haryana. October 20-22, 2005
60. National Conference on Intelligent Systems & Networks, HEC Jagadhri, Haryana. Feb 25-26th 2005.

ATTENDED SEMINARS/ WORKSHOPS/TRAINING/ GUEST LECTURES

1. Attended course VLSI for Beginners, organized by National Institute of Electronics and Information Technology, Calicut from August 10-14, 2023.
2. Attended National Level Two Weeks Workshop on "Growing Role of Machine Learning in Cyber-Security" organized by Deptt of CSE & IT, JUIT in collaboration with IEEE JUIT SB from June 13-24, 2022.
3. Attended One Week Workshop on "Data Analytics and its Research Perspectives" organized by Deptt of CSE & IT, JUIT in collaboration with IEEE JUIT SB from June 6-10, 2022
4. Attended one week workshop on Image Processing with Deep Learning organized by Deptt of ECE and CSE & IT, JUIT from March 22-26, 2022.
5. 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.
6. Attended one day workshop on "NPTEL Awareness" on June 15, 2019 at Jaypee University of Information Technology, Wagnaghat, Solan, H.P in collaboration with NPTEL and Swayam, IIT Roorkee.
7. 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, Wagnaghat, Solan, H.P.
8. Attended one day Seminar on "Innovation, Renewable Energy & Entrepreneurship" jointly organized by CESTRD (Centre of Excellence in Sustainable Technologies for Rural Development of BT BI Dept. & TIED Cell of JUIT, October 29, 2018.
9. Attended one day workshop on "Trending Wireless Devices", September 19, 2018 at Department of Electronics and Communication Engineering, Jaypee University of Information Technology, Wagnaghat, Solan, H.P.
10. 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.

11. 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.
12. 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.
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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
21. 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
22. 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.
23. 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
24. 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 .
25. 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.
26. Attended One day workshop on “COMSOL Multiphysics Modeling”, May 30, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India
27. Attended One day training on “FPGA Kit”, May 21, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India
28. Attended One day workshop on “LabView for Real time application”, April 24, 2014 at Jaypee University of Information Technology, Himachal Pradesh, India.
29. 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 Aarunpadai Veedu 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 programme 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 May 29, 2018.
3. M.Tech viva scheduled for 27.07.2021 & 28.07.2021 in CDAC Mohali and IKG PTU.
4. University Institute of Information Technology (UIIT), Himachal Pradesh University, Shimla-171005 for Communication Lab on March 9, 2022
5. University Institute of Information Technology (UIIT), Himachal Pradesh University, Shimla-171005 for Circuit Design and Simulation Lab on July 19, 2022.
6. University Institute of Information Technology (UIIT), Himachal Pradesh University, Shimla-171005 for Minor Project on May 10, 2023.
7. University Institute of Information Technology (UIIT), Himachal Pradesh University, Shimla-171005 for Data and Digital Communication Lab on Aug 11-12, 2023.
8. University Institute of Information Technology (UIIT), Himachal Pradesh University, Shimla-171005 for Digital Electronics Lab on Feb 29, 2024.

TECHNICAL EXPERIENCE

Operating Systems : Windows 98/2000/XP
Distributed Programming: ORCAD, Xilinx

PAPER PUBLISHED:

BOOK CHAPTER

1. Aggarwal, V., Jain, S., Bharti, M., Jindal, H., Rana, R., Ahuja, V. (2024). Deep Learning Assisted Diagnosis of Parkinson's Disease. In: Marriwala, N.K., Dhingra, S., Jain, S., Kumar, D. (eds) Mobile Radio Communications and 5G Networks. MRCN 2023. Lecture Notes in Networks and Systems, vol 915. Springer, Singapore. https://doi.org/10.1007/978-981-97-0700-3_1
https://link.springer.com/chapter/10.1007/978-981-97-0700-3_1
2. Jain, S., Bharti, M., Jindal, H. (2024). Image Denoising Framework Employing Auto Encoders for Image Reconstruction. In: Jain, S., Marriwala, N., Singh, P., Tripathi, C., Kumar, D. (eds) Emergent Converging Technologies and Biomedical Systems. ETBS 2023. Lecture Notes in Electrical Engineering, vol 1116. Springer, Singapore, Pages 171-181. https://doi.org/10.1007/978-981-99-8646-0_15
https://link.springer.com/chapter/10.1007/978-981-99-8646-0_15#citeas
3. Jain, S., Pal, B., Sood, R. (2023). Multi-modality Medical Image Fusion Employing Various Contrast Enhancement Techniques. In: Jain, S., Marriwala, N., Tripathi, C.C., Kumar, D. (eds) Emergent Converging Technologies and Biomedical Systems. ETBS 2022. Lecture Notes in Electrical Engineering, vol 1040. pp 587–597, Springer, Singapore. https://doi.org/10.1007/978-981-99-2271-0_45
https://link.springer.com/chapter/10.1007/978-981-99-2271-0_45
4. Rominiyi, O.L., Mohammed, S., Salau, A.O., Jain, S., Eiche, J.F., Oginni, O.T. (2023). Development of a Coconut De-Husking Machine. In: Jain, S., Marriwala, N., Tripathi, C.C., Kumar, D. (eds) Emergent Converging Technologies and Biomedical Systems. ETBS 2022. Lecture Notes in Electrical Engineering, vol 1040. Springer, Singapore, pp 131–140. https://doi.org/10.1007/978-981-99-2271-0_11
https://link.springer.com/chapter/10.1007/978-981-99-2271-0_11
5. Thakur, G., Jain, S., Sohal, H. (2023). Approximate Arithmetic Circuit for Error-Resilient Application. In: Marriwala, N., Tripathi, C., Jain, S., Kumar, D. (eds) Mobile Radio Communications and 5G Networks. Lecture Notes in Networks and Systems, vol 588. Springer, Singapore. pp 647–656, https://doi.org/10.1007/978-981-19-7982-8_54

- https://link.springer.com/chapter/10.1007/978-981-19-7982-8_54
6. Bhardwaj, C., Sharma, U., Jain, S., & Sood, M. (2023). Implementation and Performance Assessment of Biomedical Image Compression and Reconstruction Algorithms for Telemedicine Applications: Compressive Sensing for Biomedical Images. In I. Management Association (Ed.), Research Anthology on Improving Medical Imaging Techniques for Analysis and Intervention (pp. 1571-1598). IGI Global.
<https://doi.org/10.4018/978-1-6684-7544-7.ch080>
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>
 7. Jain S. (2022) A Computational Model for Detection of Lung Diseases Due to Forkhead Transcription Factors. In: Marriwala N., Tripathi C.C., Jain S., Mathapathi S. (eds) Emergent Converging Technologies and Biomedical Systems. Lecture Notes in Electrical Engineering, vol 841. Springer, Singapore, pp 71-81.
https://doi.org/10.1007/978-981-16-8774-7_7
 8. Kashyap M., Jain S. (2022) Importance of Pulse Examination and Its Diagnostic System. In: Singh P.K., Singh Y., Kolekar M.H., Kar A.K., Gonçalves P.J.S. (eds) Recent Innovations in Computing. Lecture Notes in Electrical Engineering, vol 832. Springer, Singapore, pp 189-199.
https://doi.org/10.1007/978-981-16-8248-3_16
 9. Vats A., Singh R., Khurana R.K., Jain S. (2022) A Robust System for Detection of Pneumonia Using Transfer Learning. In: Marriwala N., Tripathi C., Jain S., Kumar D. (eds) Mobile Radio Communications and 5G Networks. Lecture Notes in Networks and Systems, vol 339. Springer, Singapore, pp-667-678.
https://doi.org/10.1007/978-981-16-7018-3_50
 10. 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
 11. 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
 12. 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
 13. Jain, S. (2021). Realization of Carry-Free Adder Circuit Using FPGA. In: Manocha, A.K., Jain, S., Singh, M., Paul, S. (eds) Computational Intelligence in Healthcare. Health Information Science. Springer, Cham.
https://doi.org/10.1007/978-3-030-68723-6_3
https://link.springer.com/chapter/10.1007/978-3-030-68723-6_3#citeas
 14. 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

15. 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
16. 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
17. 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
18. 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
19. 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%20A
rchitectures%20at%20Extreme%20Temperature-Process%20Changes&isxn=9781799814641](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)
20. 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
21. 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
22. 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
23. 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

24. 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%2F978-981-15-0108-1_42#citeas
25. 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.
DOI:https://doi.org/10.1007/978-981-15-0111-1_1
https://link.springer.com/chapter/10.1007/978-981-15-0111-1_1#citeas
26. 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.
27. 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>
28. 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
29. Shruti Jain, D.S. Chauhan “Linear and Non linear Modeling of Protein Kinase B/AkT”, pp 81, Proceedings of International Conference in ICT for Sustainable Development, Advances in intelligent Systems and Computing, 2016
DOI: [10.1007/978-981-10-0135-2_7](https://doi.org/10.1007/978-981-10-0135-2_7)
30. 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](https://doi.org/10.1007/978-81-322-2205-7_25) Computational Intelligence in Data Mining

JOURNALS

1. Samanvaya Tripathi, Shruti Jain, Monika Bharti, Graphical User Interface for Handwritten Mathematical Expression employing RNN based Encoder Decoder Model, Recent Advances in Computer Science and Communications, 2024
2. Monika Bharti, Shruti Jain, Himanshu Jindal, Framework for Image Denoising Employing Different Thresholding Techniques, Int. J. Sens. Wirel. Commun. Control, 2024.
3. Sudip Paul and Shruti Jain, A Novel Detection of Cerebrovascular Disease using Multimodal Medical Image Fusion, Recent Advances in Inflammation & Allergy Drug Discovery, 2024 **[SCI : 0.4 IF]**
DOI: [10.2174/0127722708288426240408042054](https://doi.org/10.2174/0127722708288426240408042054)
<https://pubmed.ncbi.nlm.nih.gov/38644712/>
4. Akshit Aggarwal, Shruti Jain, Himanshu Jindal, Computational Model for the Detection of Diabetic Retinopathy in 2-D Color Fundus Retina Scan, Current Medical Imaging, 20, 2024 **[SCI : 1.4 IF]**
<https://europepmc.org/article/med/38333976>
<https://doi.org/10.2174/0115734056248183231010111937>

5. Anjuman Nahar, Shruti Jain and Sudip Paul, Advances in Cerebral Palsy Treatment, Recent Patents on Engineering, 18(6), pg 14, 2024. Article ID: e220823220194,
DOI: 10.2174/1872212118666230822124440
<https://www.eurekaselect.com/article/133942>
6. Shruti Jain, Ayodeji Olalekan Salau , Robust predictive model for different cancers due to biomarker proteins, Current Signal Transduction Therapy, 18(3), pp 12-25, 2023.
<https://www.ingentaconnect.com/content/ben/cst/2023/00000018/00000003/art00003>
<https://www.eurekaselect.com/article/134937>
DOI: 10.2174/0115743624257352230920091046
7. Shruti Jain, Design of High-Speed Low Voltage Operational Amplifier, Recent Patents on Engineering, 2023; 17(0) : e131222211894 . <https://dx.doi.org/10.2174/1872212117666221213094355>
<https://www.eurekaselect.com/article/128228>
8. Shruti Jain, Sudip Paul, Kshitij Sharma, EEG Brain Signal Processing For Epilepsy Detection, Recent Advances in Electrical & Electronic Engineering, 19, May 2023, 16 (7), 709 – 716. **[SCI : 0.6 IF]**
DOI: <https://dx.doi.org/10.2174/2352096516666230419102435>
<https://www.eurekaselect.com/article/131144>
9. Shruti Jain, Ayodeji Olalekan Salau, Robust Computational Model for Diagnosis of Mitogenic Activated Protein Kinase Leading Neurodegenerative Diseases, Current Signal Transduction Therapy, 18(1), pp. 62–70, 2023, e210323214831
<https://www.eurekaselect.com/article/130301>
DOI: [10.2174/1574362418666230321152206](https://doi.org/10.2174/1574362418666230321152206)
10. Shruti Jain, Ayodeji Olalekan Salau, Novel predictive model of cell survival/death related effects of Extracellular Signal-Regulated kinase protein, Artificial Cells, Nanomedicine, and Biotechnology, 51 (1), Pages 158-169 , 2023
<https://doi.org/10.1080/21691401.2023.2189460> **[SCI IF : 6.35]**
<https://www.tandfonline.com/doi/full/10.1080/21691401.2023.2189460>
11. Shruti Jain, Sudip Paul, “Design of filters using current amplifiers for removal of noises from ECG signal”, Procedia Computer Science, Volume 218, 2023, Pages 1888-1904,
<https://www.sciencedirect.com/science/article/pii/S1877050923001667>
<https://doi.org/10.1016/j.procs.2023.01.166>
International Conference on Machine Learning and Data Engineering, UPES Dehradun, India, September 07-08, 2022.
12. Jain Shruti*, Computational Model for Prediction of Foxo Protein Employing Ensemble Learning Algorithm, Current Signal Transduction Therapy 2022;17(3): e270522205320 . <https://dx.doi.org/10.2174/1574362417666220527091755>
<https://benthamscience.com/article/124007>
13. Sudip Paul, Shruti Jain, Bikram Majhi, KarobiPegu, Vinayak Majhi, “A Non-Invasive IoT-Based Glucose Level Monitoring System , Current Signal Transduction Therapy, 2022; 17(3) : e240522205153 .
<https://dx.doi.org/10.2174/1574362417666220524085231>
<https://benthamscience.com/article/123889>
14. Shruti Jain,Cherry Bhargava, Vijayakumar Varadarajan and Ketan Kotecha, Fuzzy System Design Using Current Amplifier for 20nm CMOS Technology” CMC- Computers, Materials & Continua, 72 (1), 1815-1829, 2022
SCI . IF 3.772
[Fuzzy System Design Using Current Amplifier for 20 nm CMOS Technology \(techscience.com\)](https://www.techscience.com/fuzzy-system-design-using-current-amplifier-for-20-nm-cmos-technology)
doi:10.32604/cmc.2022.024004
15. 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/IJEecs/article/view/26337> **SCOPUS, ESCI**
DOI: <https://doi.org/10.11591/ijeecs.v24.i3.pp%25p>
16. 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>
17. 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>
18. 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/>
 19. 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>
 20. 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, 2020, 8(3): 313-332. **SCOPUS, ESCI**
<https://www.tandfonline.com/doi/full/10.1080/21681163.2019.1692236>
<https://doi.org/10.1080/21681163.2019.1692236>
 21. 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
<https://link.springer.com/article/10.1007/s42452-019-1467-3#citeas>
 22. Shruti Jain, “Design of Survival-Hazard and Mathematical Model for High Osmolarity Glycerol Protein using Parametric and Nonparametric Methods”, International Journal of Emerging Technologies, 10(3): 01–09, 2019. **UGC Care : 212**
<https://www.researchtrend.net/ijet/pdf/Design%20of%20Survival-Hazard%20and%20Mathematical%20Model%20for%20High%20Osmolarity%20Glycerol%20Protein%20using%20Parametric%20and%20Nonparametric%20Methods%20SHRUTI%20JAIN.pdf>
 23. Shruti Jain, D S Chauhan, “Standard Multiple Regression Analysis Model For Cell Survival/ Death Decision of JNK Protein using HT-29 Carcinoma Cells”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), 8(10), 187-197, 2019. **UGC Care: 194**
<https://www.ijtee.org/wp-content/uploads/papers/v8i10/H7163068819.pdf>
 24. Meenakshi Sood and Shruti Jain , “Ensemble Classifier Framework for Epileptic Seizure Classification of EEG Signals”, International Journal on Emerging Technologies 10(2): 200-206(2019). **UGC Care : 212**
<https://www.researchtrend.net/ijet/pdf/Ensemble%20Classifier%20Framework%20for%20Epileptic%20Seizure%20Classification%20of%20%20%20MEENAKSHI%20SOOD.pdf>
 25. Shruti Jain and Meenakshi Sood , “ SVM Classification of Cell Survival/ Apoptotic Death for Color Texture Images of Survival Receptor Proteins”, International Journal on Emerging Technologies 10(2): 23-28(2019). **UGC Care : 212**
<https://www.researchtrend.net/ijet/pdf/SVM%20Classification%20of%20Cell%20SurvivalApoptotic%20Death%20for%20Color%20Texture%20Images%20of%20Survival%20Receptor%20Proteins%20SHRUTI%20JAIN.pdf>
 26. Shruti Jain, D S Chauhan, “Computational Modelling of HT Carcinoma Cells using different Averaging Tree Techniques”, International Journal of Advanced Trends in Computer Applications, 6(1), 31-39, 2019.
<http://ijatca.com/archives/Volume6/Number1/sm18060114>
 27. Shruti Jain, Ayodeji Olalekan Salau, “An image feature selection approach for dimensionality reduction based on kNN and SVM for AkT proteins”, Cogent Engineering, 2019, 6(1): 1599537, 1-14.
 DOI:<http://dx.doi.org/10.1080/23311916.2019.1599537>
<https://www.tandfonline.com/doi/full/10.1080/23311916.2019.1599537?fbclid=IwAR23-VTiZclopRS8SI1R27hHYDDF4k9h8a3zYVWVxebpt4TLOsLBDHVQf94>
 28. **Shruti Jain**, D. S. Chauhan, “ Computational Analysis of MK2 protein for HT Carcinoma Cells using Pre-Processing and Characterization Techniques for Cell Death/ Survival”, Journal of Global Pharma Technology (JGPT), 10(11),13-19: 2018.**UGC NO : 28354**
<http://www.jgpt.co.in/index.php/jgpt/article/view/1246>

29. **Shruti Jain**, "Detection of Arrhythmia using Automatic Differentiation Method", International Research Journal of Natural and Applied Science, 5(7), 9-24, 2018.
ISSN: (2349-4077) <http://aarf.asia/applied.php>
<http://aarf.asia/applied2.php?p=Volume5,Issue7,July,2018>
30. **Shruti Jain**, "Classification of Mitogen Activated Protein Kinase using Different Wavelet Transforms (Discrete and Gabor)", Asian Journal of Microbiology, Biotechnology and Environmental Sciences. 20(2), 569-574, 2018. **UGC No : 8799**
http://www.envirobiotechjournals.com/article_abstract.php?aid=8719&iid=250&jid=1
31. Shruti Jain. "System Modeling of Akt using Linear and Robust Regression Analysis ", Current Trends in Biotechnology and Pharmacy, 12 (2), 177-186, April 2018.
<http://www.abap.co.in/system-modeling-akt-using-linear-and-robust-regression-analysis>
32. **Shruti Jain**, "Classification of Protein Kinase B Using Discrete Wavelet Transform", International Journal of Information Technology, 10(2), 211-216, 2018. **UGC No : 49273**
Doi : 10.1007/s41870-018-0090-7
<http://rdcu.be/Fso0>
<https://link.springer.com/article/10.1007/s41870-018-0090-7>
33. **Shruti Jain**, D. S. Chauhan, " Computational Model using Anderson Darling Statistics and Pearson Correlation Coefficients of Different Distribution Functions for Stress Activation Protein Kinase , International Journal of Scientific Research and Reviews (IJSRR), 7(1), 51-63, Jan- March 2018. **UGC No : 63179**
<http://www.ijsrr.org/voi7,issue1jan-march2018.php>
34. **Shruti Jain**, "Regression modeling of different proteins using linear and multiple analysis", Network Biology. 7(4), 80-93, 2017.
[http://www.iaees.org/publications/journals/nb/articles/2017-7\(4\)/regression-modeling-of-different-proteins.pdf](http://www.iaees.org/publications/journals/nb/articles/2017-7(4)/regression-modeling-of-different-proteins.pdf)
35. **Shruti Jain**, "Classification of EGF and Insulin Receptors using Gabor Wavelet Transform", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET), 4(11), 21-25, 2017. <http://www.ijartet.com/v4i11>
doi>10.20247/IJARTET.2017.0411004
36. **Shruti Jain**, "Parametric and Non Parametric Distribution Analysis of Akt for Cell Survival/Death", International Journal of Artificial Intelligence and Soft Computing, 6(1), 43- 55, 2017.
UGC No : 49129, <https://doi.org/10.1504/IJAISC.2017.084232>
37. **Shruti Jain**, "Implementation of Marker Proteins Using Standardized Effect", Journal of Global Pharma Technology (JGPT), 9(5), 22-27: 2017. **UGC NO : 28354**
<http://www.jgpt.co.in/index.php/jgpt/article/view/81>
38. **Shruti Jain**, "Compedium model using frequency / cumulative distribution function for receptors of survival proteins: Epidermal growth factor and insulin", Network Biology ,6(4), 101-110 : Dec 2016.
[http://www.iaees.org/publications/journals/nb/articles/2016-6\(4\)/compedium-model-using-frequency-cumulative-distribution-function.pdf](http://www.iaees.org/publications/journals/nb/articles/2016-6(4)/compedium-model-using-frequency-cumulative-distribution-function.pdf)
39. **Shruti Jain**, "Regression analysis on different mitogenic pathways", Network Biology, 6(2), 40-46 : June 2016.
[http://www.iaees.org/publications/journals/nb/articles/2016-6\(2\)/regression-analysis-on-different-mitogenic-pathways.pdf](http://www.iaees.org/publications/journals/nb/articles/2016-6(2)/regression-analysis-on-different-mitogenic-pathways.pdf)
40. **Shruti Jain**, "Mathematical Analysis using Frequency and Cumulative Distribution functions for Mitogenic Pathway", Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS), 7(3), 262-272: May - Jun 2016.
[http://www.rjpbc.com/pdf/2016_7\(3\)/\[34\].pdf](http://www.rjpbc.com/pdf/2016_7(3)/[34].pdf)
41. **Shruti Jain**, "Implementation of MIN/MAX functions using Operational Transconductance Amplifier", International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering ,4(1), pp 5-8: 2016. DOI: [10.17148/IJREEICE.2016.4102](https://doi.org/10.17148/IJREEICE.2016.4102) [**UGC LISTED**]
<http://ijreeice.com/upload/2016/january-16/IJREEICE%202.pdf>
42. **Shruti Jain**, D. S. Chauhan, "Mathematical Analysis of Receptors For Survival Proteins", International Journal of Pharma and Bio Sciences (IJPBS), 6(3), 164-176 : 2015. http://www.ijpbs.net/cms/php/upload/4367_pdf.pdf

43. **Shruti Jain**, D. S. Chauhan, "Implementation of fuzzy system using different voltages of OTA for JNK pathway leading to cell survival/ death", *Network Biology*, 5(2), 62-70 : 2015. [http://www.iaees.org/publications/journals/nb/articles/2015-5\(2\)/JNK-pathway-leading-to-cell-survival-death.pdf](http://www.iaees.org/publications/journals/nb/articles/2015-5(2)/JNK-pathway-leading-to-cell-survival-death.pdf)
44. **Shruti Jain**, "Design and Simulation of Fuzzy System Using Two Stage CMOS Operational Amplifier", *Journal of Active and Passive Electronic Devices*, 2014, 9(4), 329-338.<http://www.oldcitypublishing.com/journals/japed-home/japed-issue-contents/japed-volume-9-number-4/japed-9-4-p-329-338/>
45. **Shruti Jain**, "Implementation of Triangular Membership Function using Current Differencing Buffered Amplifier", *International Journal Of Current Engineering And Scientific Research (IJCESR)*, Technical Research Organization India (TROI), 2014, 1(3), 21-24.www.troindia.in/journal/ijcesr/ijcesr/21-24.pdf
46. **Shruti Jain**, "Implementation of Fuzzy System using Operational Transconductance Amplifier for ERK pathway of EGF/ Insulin leading to Cell Survival/ Death", *J Pharm Biomed Sci*, 2014, 4(8), 701-707. http://jpbms.info/index.php?option=com_docman&task=doc_details&gid=1106&Itemid=48
47. **Shruti Jain**, "Design and Simulation of Fuzzy Implication Function of Fuzzy System Using Two Stage CMOS Operational Amplifier", *International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS)*, 150-155, 7(2): Dec 2013- Feb 2014. (Impact factor 1.23)http://www.academia.edu/6366827/Design_and_Simulation_of_Fuzzy_Implication_Function_of_Fuzzy_System_Using_Two_Stage_CMOS_Operational_Amplifier
48. **Shruti Jain**, "Design and simulation of fuzzy membership functions for the fuzzification module of fuzzy system using operational amplifier", *International Journal of Systems, Control and Communications (IJSCC)*, 69-83, 6(1):2014. DOI:10.1504/IJSCC.2014.0628050 <http://www.inderscience.com/info/inarticle.php?artid=62805> 14.62805 <http://www.inderscience.com/info/offer.php?id=62805>
49. **Shruti Jain**, "To Design High CMRR, High Slew rate Instrumentation Amplifier using OTA and CDTA for Biomedical Application", *International Journal of Engineering Research (IJER)*, 332-336, Sept 2(5): 2013. http://www.academia.edu/4379484/To_Design_High_CMRR_High_Slew_rate_Instrumentation_Amplifier_using_OT_A_and_CDTA_for_Biomedical_Application
50. **Shruti Jain**, Pradeep K. Naik, "System Modeling of cell survival and cell death : A deterministic model using Fuzzy System", *International Journal of Pharma and BioSciences(IJPBS)*,358-373, 3(4): 2012. <http://citeseerx.ist.psu.edu/viewdoc/summary?doi=10.1.1.251.945>
51. **Shruti Jain**, Pradeep K. Naik, "Communication of signals and responses leading to cell death using Engineered Regulatory Networks", *Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS)*, 492-508, 3(3): July – Sep 2012, (ISSN : 0975-8585)[http://www.rjpbc.com/pdf/2012_3\(3\)/\[56\].pdf](http://www.rjpbc.com/pdf/2012_3(3)/[56].pdf)
52. **Shruti Jain**, Sunil V. Bhooshan, Pradeep K. Naik, "Compendium Model of AktforCell Survival/Death and its Equivalent BioCircuit", *International Journal of Soft Computing and Engineering (IJSCE)*, 91-97, 2(3): July 2012 (ISSN : 2231-2307)<http://www.ijscce.org/attachments/File/v2i3/C0703052312.pdf>
53. **Shruti Jain**, Sunil V. Bhooshan, Pradeep K. Naik, "Mathematical modeling deciphering balance between cell survival and celldeath using Tumor Necrosis Factor α ", *Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS)*,574-583, 2(3): , 2011, (ISSN : 0975-8585) [http://www.rjpbc.com/pdf/2011_2\(3\)/69.pdf](http://www.rjpbc.com/pdf/2011_2(3)/69.pdf)
54. **Shruti Jain**, Sunil V. Bhooshan, Pradeep K. Naik, "Mathematical modeling deciphering balance between cell survival and celldeath using insulin", *Network Biology*, 1(1):46-58, 2011, (ISSN : 2220-8879). [http://www.iaees.org/publications/journals/nb/articles/2011-1\(1\)/Mathematical-modeling-deciphering-balance.pdf](http://www.iaees.org/publications/journals/nb/articles/2011-1(1)/Mathematical-modeling-deciphering-balance.pdf)
55. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "A Computational Model for cell survival/death using petrinets", *International Journal of Applied Engineering Research*, 6(5) : 545-552, 2011 <http://www.ripublication.com/Volume/ijaerv6n51.htm>
56. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "A System Model for Cell Death/ Survival using SPICE and Ladder Logic", *Digest Journal of Nanomaterials and Biostructures (DJNB)*, 5(1) : 57-66, 2010, (ISSN 1842 – 3582).http://www.chalcogen.ro/57_Jain.pdf
57. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "Petri net Implementation of Cell Signaling for Cell Death", *International Journal of Pharma and Bio Sciences (IJPBS)*, 1(2) : 1-18, 2010.(ISSN 0975-6299)
58. <http://www.ijpbs.net/issue-2/146.pdf>
59. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "Caspase : Leads to Apoptosis using VHDL and SPICE", *International Journal of Electronics and Computers*, 2(1): 9-17, January-June 2010.(ISSN 0975-3796)

60. **Shruti Jain**, Sunil V. Bhooshan, Pradeep K. Naik, "Model of Mitogen Activated Protein Kinases for Cell Survival/Death and its Equivalent Bio-Circuit", *Current Research Journal of Biological Sciences (CRJBS)*, 2(1):59-71, 2010. (ISSN : 2041-0778). maxwellsci.com/print/crjbs/v2-59-71.pdf
61. **Shruti Jain**, Pradeep K. Naik and Sunil V. Bhooshan, "Computational Modeling of Cell Survival/Death Using BiCMOS," *International Journal of Computer Theory and Engineering* vol. 2, no. 4, pp. 478-481, August 2010 (ISSN: 1793-821X). <http://www.ijcte.org/papers/188-H024.pdf>
62. **Shruti Jain**, Pradeep K. Naik, "Computational Modeling of Cell Survival using VHDL", *BVICAM's International Journal of Information Technology (BIJIT)*, Vol 2: 47-51 January-June 2010 (ISSN 0973-5658). <http://bvicam.ac.in/bijit/downloads/pdf/issue3/09.pdf>
63. **Shruti Jain**, Pradeep K. Naik, Rohit Sharma, "A Computational Modeling of cell survival/ death using VHDL and MATLAB Simulator", *Digest Journal of Nanomaterials and Biostructures (DJNB)*, 4 (4): 863- 879, 2009, (ISSN 1842 – 3582). http://www.chalcogen.ro/863_Shruti-Jain-aug20.pdf
64. **Shruti Jain**, Pradeep K. Naik, Rohit Sharma, "A Computational Modeling of Apoptosis Signaling using VHDL and MATLAB Simulator", *International Journal of Information and Communication Technology (IJICT)*, 2(1-2):7-12, January-June 2009 (ISSN 0973-5836).
65. C.C. Tripathi, **Shruti Jain**, Pawan Joshi, S.C. Sood & Dinesh Kumar, Development of Low Cost Set Up for Anodic Bonding and its Characterization, *Indian Journal of Pure & Applied Physics*, Vol.46, Oct 2008, pp738-743.

CONFERENCES

1. S. Jain, "Effect of dVout on different Gain for proposed Current Feedback Operational Amplifier," 2024 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE), Bangalore, India, 16-17 February 2024, pp. 422-428.
doi: 10.1109/ICWITE59797.2024.10503397.
<https://ieeexplore.ieee.org/abstract/document/10503397>
2. Vinay Kumar Pandey, Vinayak Majhi, Sudip Paul, Shruti Jain, Gamifying Therapy: A New Approach to Modern Therapeutics, *International Conference on Machine Learning and Data Engineering (ICMLDE 2023)*, Nov 23-24, 2023
3. Shruti Jain; Sudip Paul, "Determination of Risk Prediction Using Random Forest Technique for Breast Cancer", Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2022), February 11-13, 2022.
<https://ieeexplore.ieee.org/abstract/document/9752841>
DOI: 10.1109/DELCON54057.2022.9752841
4. S. Jain, "Hardware Simulation of BRAM Digital FIR filter for Noise Removal of ECG Signal," *2021 IEEE International Conference on Signal Processing, Information, Communication & Systems (SPICSCON)*, 2021, pp. 5-8, doi: 10.1109/SPICSCON54707.2021.9885726.
<https://ieeexplore.ieee.org/abstract/document/9885726>
5. Shruti Jain , Ayodeji Olalekan Salau , Multimodal Image Fusion Employing Discrete Cosine Transform, 2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), Dhaka Bangladesh, pp. 5-8, Dec 3-5, 2021.
<https://ieeexplore.ieee.org/document/9829686>
DOI :10.1109/WIECON-ECE54711.2021.9829686
6. Shruti Jain, "A Computational Model for Detection of Lung Diseases due to Forkhead Transcription Factor", *International Conference in Emerging Convergent Technologies and Biological Systems (ETBS 2021)*, University Institute of Engineering and Technology, Kurukshetra University, Kurukshetra, April 28-29, 2021 (Springer).
7. Shruti Jain, "FPGA-Assisted Framework for Heart Rate Evaluation using ECG Signal Processing", *IEEE, INDICON*, Netaji Subhas University of Technology, New Delhi, December 11-13, 2020, pp. 1-6.
[doi: 10.1109/INDICON49873.2020.9342125](https://doi.org/10.1109/INDICON49873.2020.9342125)
<https://ieeexplore.ieee.org/document/9342125>
8. Shruti Jain, Sunil Datt Sharma, "Classification of Glaucoma Fundus Images using Curvelet Empirical Wavelet Transform", 2019 Fifth International Conference on Image Information Processing (ICIIP), Jaypee University of Information Technology, Wagnaghat, India, November 15-17, 2019 , pp 321-325.

- <https://ieeexplore.ieee.org/document/8985810>
9. TakeleFeredeAgaje ,AyodejiOlalekanSalau, Engidaw Abel Hailu,MeenakshiSood, **Shruti Jain**, “Optimal Sizing and Siting of Distributed Generators for Minimization of Power Losses and Voltage Deviation”, 5th International Conference on Signal Processing, Computing and Control (ISPC 2k19), Jaypee University of Information Technology, Waknaghat, India. October 10-12, 2019, pp 292-297.
<https://ieeexplore.ieee.org/document/8988401>
 10. Ayodeji Olalekan Salau, Kehinde Felix Faleye, Ifetayo Oluwafemi, **Shruti Jain**, “ Audio Compression Using a Modified Discrete Cosine Transform with Temporal Auditory Masking”, 5th International Conference on Signal Processing and Communication(ICSC-2019), March 07-09, 2019, Jaypee Institute of Information Technology, Noida (INDIA).
<https://ieeexplore.ieee.org/document/8938213>
 11. Ayodeji Olalekan Salau, **Shruti Jain**, “Feature Extraction: A Survey of the Types, Techniques and Applications”, 5th International Conference on Signal Processing and Communication(ICSC-2019), March 07- 09, 2019, Jaypee Institute of Information Technology, Noida (INDIA), pp. 158-164.
<https://ieeexplore.ieee.org/document/8938371>
 12. **Shruti Jain** , “Analysis & Simulation of Electrical Parameters of Fuzzy System Using Different Types of Current Amplifiers with Different Membership Functions for AkT Pathway”, Dec 21-23, 2017, pp 148-152, 2017 Fourth International Conference on Image Information Processing, ICIP 2017, Jaypee University of Information technology, Waknaghat, Solan, H.P, India.
<http://ieeexplore.ieee.org/document/8313701/>
DOI: 10.1109/ICIP.2017.8313701
 13. **Shruti Jain** , “Mathematical Analysis and Probability Density Function of FKHR pathway for Cell Survival /Death” , Aug 1-2, 2015, pp 84-93, Control System and Power Electronics – CSPE 2015, Bangalore 2015.
DOI: [10.13140/RG.2.1.3619.5607](https://doi.org/10.13140/RG.2.1.3619.5607)
<http://thegrenze.com/index.php?display=page&view=conferenceabstract&absid=519&id=33>
 14. **Shruti Jain**, D.S.Chauhan, “Linear and Non Linear Modeling of Protein Kinase B/ AKT”, July 3-4 2015, pp 81-88, International Conference on Information and Communication Technology for Sustainable Development (ICT4SD - 2015), Ahmedabad, India.doi10.1007/978-981-10-0135-2
http://link.springer.com/chapter/10.1007/978-981-10-0135-2_7
DOI: [10.13140/RG.2.1.4405.9924](https://doi.org/10.13140/RG.2.1.4405.9924)
<http://www.springer.com/in/book/9789811001338#otherversion=9789811001352>
 15. **Shruti Jain**, “Design of Sigma and Anti sigma membership functions using Operational Transconductance Amplifier”, Oct 15-16, 2014, pp 29, National Seminar on Recent Trends in VLSI and Embedded Systems (RTVES-2014), at Jaipur National University, Jaipur, Rajasthan, India.
 16. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, “Model of Protein Kinase B for Cell Survival/Death and its Equivalent Bio Circuit ”, November 19-20, 2011,pp 69-73,2nd 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).<http://dx.doi.org/10.1063/1.3669936>
 17. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, “Non linear Modeling of cell survival/ death using Aritificial neural network”,pp 565-568, Oct 07-09, 2011, International Conference on Computational Intelligence and Communication Networks (CICN2011),Gwalior, India.DOI :[10.1109/CICN.2011.121](https://doi.org/10.1109/CICN.2011.121)
 18. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, “Synthetic Biology : Apoptosis and cancer”, February 18-20, 2011, pp, 5thInternational Multi Conference on Intelligent Systems, Sustainable, New and Renewable Energy Technology&Nanotechnology (IISN-2011), Institute Of Science and Technology, KLAWAD (ISTK), Ambala-Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.
 19. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, “Fuzzy Logic Implementation of Cell Signaling for Cell survival/ Death”, February 26-28, 2010, pp 41-43, 4thInternational Multi Conference on Intelligent Systems & Nanotechnology (IISN-2010), Institute Of Science and Technology, KLAWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.

20. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "A System Model for Cell Death using Fuzzy Logic and SPICE", February 26-27, 2010, pp 756-760, ICWET 2010, International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering & Technology, Mumbai, India. (ISBN:978-1-60558-812-4) <http://portal.acm.org/citation.cfm?doid=1741906.1742082>
21. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "Petri nets – an Application in Digital Circuits", February 26-27, 2010, pp 9, ICWET 2010, International Conference and Workshop on Emerging Trends in Technology, Thakur College of Engineering & Technology, Mumbai, India.
22. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "BiCMOS Implementation of Cell Signaling for Cell Survival/Death", February 9-10, 2010, pp 23-26, ICSAP, 2010 International Conference on Signal Acquisition and Processing, Bangalore, India. [ISBN:978-1-4244-5724-3]. <http://www.computer.org/portal/web/csdl/doi/10.1109/ICSAP.2010.36>
23. **Shruti Jain**, Pradeep K. Naik, Sunil V. Bhooshan, "Design of Fuzzy Membership Functions using SPICE", January 9-10, 2010, pp 317-321, RTSCIT09, International Conference on Recent Trends in Soft Computing and Information Technology, Corporate Institute of Science and Technology, Bhopal, Madhya Pradesh, India.
24. **Shruti Jain**, Pradeep K. Naik, C.C. Tripathi, "A Computational Model for Cell Survival and Fabrication of Transistor", October 23-24, 2009, pp 39-43, WECON 2009 International Conference on Wireless Networks and Embedded Systems, Chitkara Institute of Engineering and Technology, Chandigarh-Patiala National Highway, Patiala, India
25. **Shruti Jain**, Pradeep K. Naik, "Synthetic Biology : Towards Digital Circuits", October 23-24, 2009, pp 100-102, WECON 2009 International Conference on Wireless Networks and Embedded Systems, Chitkara Institute of Engineering and Technology, Chandigarh-Patiala National Highway, Patiala, India
26. **Shruti Jain**, P.K. Naik, D. S. Chauhan, Rohit Sharma, "Computational Modeling of Cell Survival/ Death using MATLAB simulator", April 27-29, 2009, pp 64-68, 6th International Conference on Information Technology : New Generations ITNG 2009, Las Vegas, Nevada, USA.
27. <http://doi.ieeecomputersociety.org/10.1109/ITNG.2009.101> [ISBN: 978-0-7695-3596-8]
28. **Shruti Jain**, P.K. Naik, D. S. Chauhan, Rohit Sharma, "A System Model of Apoptosis and Survival Signaling", March 6-7, 2009, pp 82-86, IEEE International Advanced Computing Conference IACC'09, Thapar University, Patiala, Punjab, India.
29. **Shruti Jain**, P.K. Naik, D. S. Chauhan, Rohit Sharma, "Computational Modeling of Apoptosis using VHDL and Bio circuits", February 14-16, 2009, pp 62-67, 3rd International Conference on Intelligent Systems & Networks (IISN-2009), Institute Of Science and Technology, KLAWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.
30. **Shruti Jain**, S. C. Sood, C. C. Tripathi, "Modeling of Direct Silicon Fusion Wafer Level Packaging", December 26-27, 2008, pp 934-938 International conference on Advanced Computing Technologies (ICACT '08), Hyderabad, India. (ISBN: 81-7800-188-3)
31. **Shruti Jain**, S. C. Sood, C. C. Tripathi, "Modeling of silicon fusion wafer level packaging for RF MEMS switches", December 19-21, 2007, pp 114 of MNNA 2007, Indo Australian Symposium on Multifunctional Nano materials Nanostructures and Applications, Department of Physics and Astrophysics, University of Delhi, Delhi.
32. Shruti Jain, " Investigation of silicon to silicon wafer bonding", November 16-17, 2007 pp 28 (C-35) of ISSS-MEMS 2007, 2nd ISSS National conference on MEMS, Micro sensors, Smart Materials, Structures and Systems, Central Electronics Engineering Research Institute, Pilani & Birla Institute of Technology and Science, Pilani-333031, Rajasthan.
33. Shruti Jain, "Design & Development of Capacitive Pressure Sensor for Industrial application using Dissolved Wafer Process & MEMS Technology" June 7-9, 2007 HARMST-007, 7th International Workshop On High Aspect-Ratio Microstructure Technology Besancon, France.
34. Shruti Jain " Indigenously Development of Capacitive Pressure Sensor" , Feb 28, 2007 pp 25, National Seminar on Some aspects Of Recent Trends in Engineering and Technology, Punjab College of engineering & Technology, Malakpur, Lalru, Mohali, Punjab.

35. Shruti Jain, “Low Voltage Anodic Bonding for the Fabrication Of MEMS Devices”, Feb16-18th 2007 pp155-159 of EMTM2N-2007, International Conference on Emerging Mechanical Technology- Macro to Nano, Birla Institute Of Technogy& Science, Pilani, Rajasthan.
36. Shruti Jain, “Design Of Fuzzy Membership Functions”, July 28,2006, National Conference on Wireless Networks & Embedded systems (WNES-2006), Chitkara Institute Of Engineering & Technology, Rajpura, Patiala, Punjab.
37. Shruti Jain, “Indigenous Development of Lithography”, Feb 24-25th 2006, pp 509-510, Asian Conference on Intelligent Systems & Networks (AISN 2006), HEC Jagadhri, Haryana.
38. Shruti Jain, “Design & Development ofLow Cost Oxidation System & Optimization Of Process For the Growth Of Sacrificial Layers For MEMS Devices”, Feb 17-18th 2006 pp 31 (IMS 29) of IMS Conference-2006, Electronics Science Department, Kurukshetra University, Kurukshetra.
39. Shruti Jain, “Indigenous development of Micro Fabrication Process For semiconductor Device Fabrication”, Feb 17-18th 2006 pp 31 (IMS 29) of IMS Conference-2006, Electronics Science Department, Kurukshetra University, Kurukshetra.
40. Shruti Jain, “Design Of Rice Cooker Using Fuzzy”, Feb 9-11th 2006, National Conference on Information & Communication Technology Recent Advances &Applications (ICT 2006), JMIT Radaur, Haryana
41. Shruti Jain, “Design of Battery Charger using Fuzzy”, Nov 25-26th 2005 pp 217-220 proceedings of INNOVATIONS 2005, Baba Banda Singh Bahadur Engg College, Fatehgarh Sahib, Punjab.
42. Shruti Jain, “UART Transmitter and Receiver using Verilog HDL”, October 20-22,2005 pp 74 proceedings of NCMTICT 2005,MaharishiMarkandeshwarEngg College, Mullana, Haryana.
43. Shruti Jain, “Design of Fuzzy membership functions using Verilog”, October 20-22,2005 pp 77 proceedings of NCMTICT 2005,MaharishiMarkandeshwarEngg College, Mullana, Haryana.
44. Shruti Jain, “Design of Fuzzy System in MATLAB”, Feb 25-26th 2005 of ISN 2005, National Conference on Intelligent Systems & Networks, HEC Jagadhri, Haryana.

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<https://doi.org/10.1007/s00034-023-02559-0>
3. Anupama Jamwal, Shruti Jain , Empirical Curvelet-Ridgelet Wavelet Transform for Multimodal Fusion of Brain Images, Current Medical Imaging, 2024 **[SCI: 1.4IF]**
<https://www.eurekaselect.com/article/138004>
DOI: 10.2174/0115734056269529231205101519
4. Anupama Jamwal, Shruti Jain, Curvempirical Transform for Multimodal fusion of Brain Images, Recent Advances in Electrical & Electronic Engineering, 16 (7), 2023, pp. 775-786, 2023 **[SCI: 0.6 IF]**
<https://doi.org/10.2174/2352096516666230420090225>
<https://www.eurekaselect.com/article/131160>
5. Himani Bhardwaj, Shruti Jain, Harsh Sohal, An innovative interconnect structure with improved Elmore delay estimation model for deep submicron technology, *Analog Integr Circ Sig Process*, 111 (3), 419–439 (2022). **[SCI : 1.337 IF]**
<https://doi.org/10.1007/s10470-022-02012-3>
<https://link.springer.com/article/10.1007/s10470-022-02012-3>
6. Garima Thakur, Harsh Sohal, Shruti Jain, “A Novel ASIC-Based Variable Latency Speculative Parallel Prefix Adder for Image Processing Application”, Circuits, Systems and Signal Processing, 2021 **[SCI :2.3 IF]**
<https://doi.org/10.1007/s00034-021-01741-6>
<https://link.springer.com/article/10.1007/s00034-021-01741-6#citeas>
7. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, “Transfer learning based robust automatic detection system for diabetic retinopathy grading”, *Neural Computing and Applications*, 33:13999–14019, 2021 **[SCI :5.606 IF]**
<https://doi.org/10.1007/s00521-021-06042-2>
<https://link.springer.com/article/10.1007/s00521-021-06042-2#citeas>

8. Garima Thakur, Harsh Sohal, Shruti Jain, “A novel parallel prefix adder for optimized Radix-2 FFT processor”, *Multidimensional Systems and Signal Processing*, 32, 1041-1063, 2021 [SCI :2.030IF]
<https://doi.org/10.1007/s11045-021-00772-1>
9. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, “Deep Learning based Diabetic Retinopathy Severity Grading System Employing Quadrant Ensemble Model”, *Journal of Digital Imaging* , 34:440–457, 2021 [SCI :4.056 IF]
<https://doi.org/10.1007/s10278-021-00418-5>
10. Rajkumar Sarma, Cherry Bhargava, Shruti Jain, Vikram Kumar Kamboj, “Application of Ameliorated Harris Hawks Optimizer for Designing of Low-Power Signed Floating-point MAC Architecture”, *Neural Computing and Applications*, 33, 8893-8922, 2021. [SCI :5.606 IF]<https://rdcu.be/cdFAE>
<https://doi.org/10.1007/s00521-020-05637-5>
11. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, “Diabetic Retinopathy Severity Grading Employing Quadrant Based Inception-V3 Convolution Neural Network Architecture”, *International Journal of Imaging Systems and Technology*. 2020, 31(2), Pp 592-608. <http://dx.doi.org/10.1002/ima.22510> [SCI: 2.00 IF]
<https://onlinelibrary.wiley.com/doi/10.1002/ima.22510>
12. Navdeep Prashar , Meenakshi Sood, and Shruti Jain, “Design and Implementation of a Robust Noise Removal System in ECG signals using Dual Tree Complex Wavelet Transform”, *Biomedical Signal Processing and Control*, 63, 2021 [SCI : 3.88IF]
<https://www.sciencedirect.com/science/article/pii/S174680942030344X>
13. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, Hierarchical Severity Grade Classification of Non-Proliferative Diabetic Retinopathy, *Journal of Ambient Intelligence and Humanized Computing*, 12, 2649–2670, 2021. [SCI: 7.104 IF]
DOI: 10.1007/s12652-020-02426-9
https://link.springer.com/article/10.1007/s12652-020-02426-9?wt_mc=Internal.Event.1.SEM.ArticleAuthorAssignedToIssue&utm_source=ArticleAuthorAssignedToIssue&utm_medium=email&utm_content=AA_en_06082018&ArticleAuthorAssignedToIssue_20210303#citeas
14. Kirti, Harsh Sohal, and Shruti Jain, “Design and Implementation of Low Power ECG Pre-processing Module on Xilinx FPGA”, *IETE Journal of Research*, 68 (4), 2716-2722, 2020 [SCI- 1.125IF]
<https://www.tandfonline.com/doi/abs/10.1080/03772063.2020.1725660>
15. Rajkumar Sarma, Cherry Bhargava, Shruti Jain, “A MUX based signed-floating-point MAC architecture using UCM algorithm”, *Bulletin of The Polish Academy of Sciences: Technical Sciences*, 68 (4), 835-844, 2020 [SCI: 1.699 IF]
<http://journals.pan.pl/dlibra/publication/134182/edition/117264/content>
16. Jyotsna Dogra ; Shruti Jain ; Meenakshi Sood, “Gradeint based kernel selection technique for Tumor Detection and Extraction from Medical Images using Graph Cut”, *IET Image Processing* , vol. 14, no. 1, pp. 84 - 93, January 2020
DOI: [10.1049/iet-ipr.2018.6615](https://doi.org/10.1049/iet-ipr.2018.6615) , [SCI- 1.995IF]
<https://digital-library.theiet.org/content/journals/10.1049/iet-ipr.2018.6615>
17. Navdeep Prashar, Meenakshi Sood, Shruti Jain, “Dual-tree complex wavelet transform technique-based optimal threshold tuning system to deliver denoised ECG signal”, *Transactions of the Institute of Measurement and Control*, 2020, pp 1-16. [SCI-1.796IF]
DOI: 10.1177/0142331219895708
<https://journals.sagepub.com/doi/abs/10.1177/0142331219895708?journalCode=tima>
18. Jyotsna Dogra, Shruti Jain and Meenakshi Sood, “Glioma Extraction from MR Images Employing GBKS Graph Cut Technique” *The Visual Computer*, Springer, vol. 36, 875–891 (2020). [SCI- 1.453IF]
<https://doi.org/10.1007/s00371-019-01698-3>
<https://link.springer.com/article/10.1007%2Fs00371-019-01698-3>

SCOPUS

1. Himani Bhardwaj, Shruti Jain, Harsh Sohal, Global RC Interconnects with ADL Buffers for Low-Power Applications, *Micro and Nanosystems*, 2024 [ACCEPTED]
2. Triambica Gautam, Amit Srivastava, Shruti Jain , Efficiency evaluation of state co-operative banks employing data envelopment analysis and neural network technique, *International Journal of Business Process Integration and Management*, 2023 [ACCEPTED]
3. Garima Thakur, Harsh Sohal, Shruti Jain, Design and Analysis of Low Power Approximate Multiplier Using Novel Compressor, *SN Computer Science* (2024) 5 (5) :457, <https://doi.org/10.1007/s42979-024-02738-z>
<https://www.inderscience.com/info/ingeneral/forthcoming.php?jcode=ijbpim>

4. Himani Bhardwaj, Shruti Jain, Harsh Sohal, Energy Optimization for RC and RLC Interconnect Design in Low Power VLSI, Micro and Nanosystems, 16, 2024.
5. Garima Thakur, Shruti Jain, Harsh Sohal, Implementation of A Robust Framework For Low Power Approximate Multiplier Using Novel 3:2 And 4:2 Compressor For Image Processing Applications, Micro and Nanosystems, 15(3), pp. 223–239, 2023.
DOI: [10.2174/0118764029270767231025052434](https://doi.org/10.2174/0118764029270767231025052434)
<https://benthamscience.com/article/135888>
6. Shivani Rana, Rakesh Kanji, Shruti Jain, Automated System for Movie Review Classification using BERT, Recent Advances in Computer Science and Communications, 16(8), pp 10-18, 2023.
DOI: [10.2174/2666255816666230507182018](https://doi.org/10.2174/2666255816666230507182018)
<https://benthamscience.com/article/131567>
<https://www.ingentaconnect.com/content/ben/rasc/2023/00000016/00000008/art00003>
7. Meenakshi Sood, Shruti Jain, Jyotsna Dogra, “Classification and Pathologic Diagnosis of Gliomas in MR Brain Images”, Procedia Computer Science 218 (2023) 706–717
<https://www.sciencedirect.com/science/article/pii/S1877050923000510>
<https://doi.org/10.1016/j.procs.2023.01.051>
International Conference on Machine Learning and Data Engineering, UPES Dehradun, India, September 07-08, 2022.
10.1016/j.procs.2023.01.051
8. Anupama Jamwal, Shruti Jain, Robust multimodal fusion network employing novel Empirical Rigit Wavelet Transform for brain images, Measurement: Sensors, Volume 24, December 2022, 100529
<https://www.sciencedirect.com/science/article/pii/S2665917422001635>
<https://doi.org/10.1016/j.measen.2022.100529>
9. Himani Bhardwaj, Shruti Jain, Harsh Sohal, Power Optimization using Current-mode signaling technique for IoT Applications, Measurement: Sensors, Volume 24, December 2022, 100494
<https://www.sciencedirect.com/science/article/pii/S2665917422001283>
<https://doi.org/10.1016/j.measen.2022.100494>
10. Garima Thakur, Shruti Jain, Harsh Sohal, Current Issues and Emerging Techniques for VLSI Testing- A Review, Measurement: Sensors, 2022, Volume 24, 100497.
<https://doi.org/10.1016/j.measen.2022.100497>
<https://www.sciencedirect.com/science/article/pii/S2665917422001313>
11. Anupama Jamwal, Shruti Jain, Classification of Multimodal Brain Images employing a novel Ridgempirical Transform, NeuroQuantology, 2022; 20(6):2871-2882
DOI Number: 10.14704/nq.2022.20.6.NQ22286
<https://www.neuroquantology.com/data-cms/articles/20220622115337pmNQ22286%20.pdf>
12. Garima Thakur, Harsh Sohal, and Shruti Jain, “Low-power Approximate Arithmetic Circuits for IoT devices”, Recent Advances in Electrical & Electronic Engineering, 2022, 15(5), 421-428.
<https://dx.doi.org/10.2174/2352096515666220627124337>
<https://www.eurekaselect.com/article/124806>
13. Kirti, H. Sohal and S. Jain, “FPGA implementation of collateral and sequence pre-processing modules for low power ECG denoising module”, Informatics in Medicine Unlocked, Volume 28, 2022, 100838
<https://www.sciencedirect.com/science/article/pii/S2352914821003002?via%3Dihub>
<https://doi.org/10.1016/j.imu.2021.100838>
14. Charu, Shruti Jain, Meenakshi Sood, “Two-Tier Grading System for NPDR Severities of Diabetic Retinopathy in Retinal Fundus Images”, Recent Patents on Engineering, Bentham Science, 15(2), 2022, pp 195-206.
<http://www.eurekaselect.com/node/178196/article/two-tier-grading-system-for-npdr-severities-of-diabetic-retinopathy-in-retinal-fundus-images>
DOI : [10.2174/1872212114666200109103922](https://doi.org/10.2174/1872212114666200109103922)
15. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, “Performance analysis of retinal features for diabetic retinopathy characterisation and diagnosis”, *International Journal of Business and Systems Research*, 15(2), 2021, pp 253-270.
16. Kirti, H. Sohal and S. Jain, “Statistical Analysis of HRV Parameters for the Detection of Arrhythmia”, *International Journal of Image and Graphics*, 20(4), 2020
<https://www.worldscientific.com/doi/abs/10.1142/S0219467820500369>
<https://doi.org/10.1142/S0219467820500369>

17. Jyotsna Dogra, Shruti Jain, Ashutosh Sharma, Rajiv Kumar, Meenakshi Sood, “ Brain Tumor Detection from MR Images employing Fuzzy Graph Cut Technique”, Recent Patents on Computer Science, 13 (3), pp:362-369 , 2020. **UGC No:10070**, (ESCI/Scopus Indexed)
DOI : 10.2174/2213275912666181207152633
<https://www.eurekaselect.com/168163/article>
18. Charu, Shruti Jain, Meenakshi Sood, “Automated Diagnostic Hybrid Lesion Detection System for Diabetic Retinopathy Abnormalities”, International Journal of Sensors, Wireless Communications and Control, 10 (4), pp 494-507, 2020.
doi: 10.2174/2210327909666191126092411
<https://www.eurekaselect.com/176979/article>
<https://www.ingentaconnect.com/content/ben/swcc/2020/00000010/00000004/art00008>
19. Charu, Shruti Jain, Meenakshi Sood, “Retinal Blood Vessel Localization to Expedite PDR Diagnosis”, Periodicals of Engineering and Natural Sciences, 8(3), 2020, pp 1233-1246.
<http://pen.ius.edu.ba/index.php/pen>
20. Jyotsna Dogra, Shruti Jain and Meenakshi Sood, “Novel Seed Selection Techniques for MR Brain Image Segmentation using Graph Cut” Computer Method in Biomechanics and Biomedical Engineering: Imaging & Visualization, 8(4), pp.389-399, 2020.
<https://www.tandfonline.com/doi/abs/10.1080/21681163.2019.1697966>
21. Navdeep Prashar, Meenakshi Sood, Shruti Jain, “A Novel Cardiac Arrhythmia Processing using Machine Learning Techniques”, International Journal of Image and Graphics. 20(3), 2050023(17 pages), 2020
<https://www.worldscientific.com/doi/pdf/10.1142/S0219467820500230>
22. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, “Diabetic Retinopathy Lesion Discriminative Diagnostic System for Retinal Fundus Images”, Advanced Biomedical Engineering, 9: 71–82, 2020. DOI:10.14326/abe.9.71
https://www.jstage.jst.go.jp/article/abe/9/0/9_71/article
23. Kirti, Harsh Sohal, and Shruti Jain, “Computer Aided Diagnostic System for Feature Based Classification using Heart Rate Variability”, Biomedical Engineering Applications, Basis and Communications, 32(2), 2050009, 2020.
<https://www.worldscientific.com/doi/abs/10.4015/S101623722050009X>
24. Kirti, Harsh Sohal, and Shruti Jain, “Multistage Classification of Arrhythmia and Atrial Fibrillation on Long- Term Heart Rate Variability”, Journal of Engineering Science and Technology, Vol. 15 (2), 1277 – 1295, 2020 (**ESCI/Scopus**)
http://jestec.taylors.edu.my/Vol%2015%20issue%202%20April%202020/15_2_39.pdf
25. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, “Automatic Blood Vessel Extraction of Fundus Images Employing Fuzzy Approach”, Indonesian Journal of Electrical Engineering and Informatics (IJEI), 7(4), pp-757-771, 2019.
DOI: 10.11591/ijeel.v7i4.991
<http://section.iaesonline.com/index.php/IJEI/article/view/991>
26. Rajkumar Sarma, Cherry Bhargava, Shruti Jain, “Accelerated PVT analysis of UCM architecture using Cadence ADE-XL”, International Journal of Engineering and Advanced Technology (IJEAT), 8 (5), 191-1919, 2019. **UGC Care: 184**
<https://www.ijeat.org/wp-content/uploads/papers/v8i5/E7900068519.pdf>
27. Jyotsna Dogra, Shruti Jain, Meenakshi Sood, “Glioma Classification of MR brain tumor employing Machine Learning”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), 8(8), 2676-2682, 2019. **UGC Care: 206**
<https://www.ijitee.org/wp-content/uploads/papers/v8i8/H7543068819.pdf>
28. Navdeep Prashar, Meenakshi Sood, Shruti Jain, “Design and Performance Analysis of Cascade Digital Filter for ECG Signal Processing”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), 8(8), 2659-2665, 2019. **UGC Care: 194**
<https://www.ijitee.org/wp-content/uploads/papers/v8i8/H7540068819.pdf>
29. Kirti, Harsh Sohal, Shruti Jain, “FPGA implementation of Power-Efficient ECG pre-processing block”, International Journal of Recent Technology and Engineering, 8(1), 2899-2904, 2019. **UGC Care: 206**
<https://www.ijrte.org/wp-content/uploads/papers/v8i1/A1461058119.pdf>
UGC Care: 206
30. Charu Bhardwaj, Shruti Jain, Meenakshi Sood, “Computer Aided Hierarchal Lesion Classification for Diabetic Retinopathy Abnormalities”, International Journal of Recent Technology and Engineering, 8(1), 2880-2887, 2019. **UGC Care: 206**
<https://www.ijrte.org/wp-content/uploads/papers/v8i1/A1459058119.pdf>
31. Rajkumar Sarma, Cherry Bhargava, Sandeep Dhariwal, Shruti Jain, “UCM: A Novel Approach for Delay Optimization”, International Journal of Performability Engineering, 15(4), , April 2019, pp. 1190-1198
DOI: 10.23940/ijpe.19.04.p14.11901198
<http://www.ijpe-online.com/ucm-a-novel-approach-for-delay-optimization.html#axzz5opdZ3Rl6>

32. Kirti, Harsh Sohal, Shruti Jain, “Comparative Analysis of Heart Rate Variability Parameters for Arrhythmia and Atrial Fibrillation using ANOVA”, Biomedical and Pharmacology Journal. 11(4), 1841-1849, 2018. **UGC NO : 14769 ,UGC Care: 34**
<http://biomedpharmajournal.org/vol11no4/comparative-analysis-of-heart-rate-variability-parameters-for-arrhythmia-and-atrial-fibrillation-using-anova/>
33. Navdeep Prashar, Jyotsna Dogra, Meenakshi Sood, Shruti Jain, “Removal of Electromyography Noise from ECG for High Performance Biomedical Systems”, Network Biology. 8(1), 12-24, 2018. **(Clarivate Analytics & Web of Science)**
[http://www.iaees.org/publications/journals/nb/articles/2018-8\(1\)/removal-of-electromyography-noise-from-ECG.pdf](http://www.iaees.org/publications/journals/nb/articles/2018-8(1)/removal-of-electromyography-noise-from-ECG.pdf)
<http://www.iaees.org/publications/journals/nb/online-version.asp>
34. Jyotsna Dogra, Navdeep Prashar, Shruti Jain, Meenakshi Sood, “Improved Methods for Analyzing MRI Brain Images”, Network Biology. 8(1), 1-11, 2018. **(Clarivate Analytics & Web of Science)**
[http://www.iaees.org/publications/journals/nb/articles/2018-8\(1\)/improved-methods-for-analyzing-mri-brain-images.pdf](http://www.iaees.org/publications/journals/nb/articles/2018-8(1)/improved-methods-for-analyzing-mri-brain-images.pdf)
35. Ritendra Mishra, Shruti Jain, Bharat Thakur, Yajvender Pal Verma & Chadalapaka Durgaprasad: Performance Analysis of Piezoelectric Drum Transducers as Shoe-Based Energy Harvesters, International Journal of Electronics Letters, 5(4), pp 402-416, 2016.
 DOI:10.1080/21681724.2016.1253777
<http://dx.doi.org/10.1080/21681724.2016.1253777>
36. Ritendra Mishra, **Shruti Jain**, C Durgaprasad, Subrat Sahu, “Vibration Energy Harvesting Using Drum Harvesters”, International Journal of Applied Engineering Research, 10(14), pp 34995-35001: 2015.
[https://www.google.co.in/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=%E2%80%9C+Vibration+Energy+Harvesting+Using+Drum+Harvesters%E2%80%9D+%2C+International+Journal+of+Applied+Engineering+Research%2C+10\(14\)%2C+pp+34995-35001:+2015](https://www.google.co.in/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=%E2%80%9C+Vibration+Energy+Harvesting+Using+Drum+Harvesters%E2%80%9D+%2C+International+Journal+of+Applied+Engineering+Research%2C+10(14)%2C+pp+34995-35001:+2015)
37. Ritendra Mishra, **Shruti Jain**, C. Durga Prasad, “A Review On Piezoelectric Material As A Source Of Generating Electricity And Its Possibility To Fabricate Devices For Daily Uses Of Army Personnel”, International Journal of Systems, Control and Communications (IJSCC) 6(3), 212-221, 2015. doi>[10.1504/IJSCC.2015.068908](https://doi.org/10.1504/IJSCC.2015.068908).
<http://www.inderscience.com/info/inarticle.php?artid=68908>

CONFERENCES

1. Triambica Gautam, Amit Srivastava, Shruti Jain, Financial Evaluation of Urban Cooperative Banks - A Machine Learning Approach, International Conference on Machine Learning and Data Engineering (ICMLDE 2023), Nov 23-24, 2023
2. Triambica Gautam, Amit Srivastava, Shruti Jain, Neural Network and DEA Model for Evaluation of Operational Efficiency of Co-operative Banks, The International Conference on Parallel, Distributed and Grid Computing (PDGC 2022), Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, India, pp 313-318, November 25-27, 2022.
<https://ieeexplore.ieee.org/document/10053128>
DOI: 10.1109/PDGC56933.2022.10053128
3. Shivani Rana, Rakesh Kanji, Shruti Jain, Comparison of SVM and Naïve Bayes for Sentiment Classification using BERT data, 2022 5th International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT), Aligarh, India, 26-27 November 2022, pp. 1-5, 26-27 November 2022, doi:
[10.1109/IMPACT55510.2022.10029067](https://ieeexplore.ieee.org/document/10029067).
<https://ieeexplore.ieee.org/document/10029067>
4. Triambica Gautam, Amit Srivastava, Shruti Jain, Data Envelopment Analysis and Kendall’s Coefficient of Concordance for Efficiency Evaluation of State Co-operative Banks, 2022 5th International Conference on Multimedia, Signal Processing and Communication Technologies (IMPACT), Aligarh, India, 26-27 November 2022, pp. 1-6, doi: [10.1109/IMPACT55510.2022.10029189](https://doi.org/10.1109/IMPACT55510.2022.10029189).
<https://ieeexplore.ieee.org/document/10029189>
5. Garima Thakur, Shruti Jain, Harsh Sohal, Approximate Arithmetic Circuit for Error-Resilient Application, International Conference On “Mobile Radio Communications & 5G Networks, (MRCN-2022)”, organized by University Institute of Engineering & Technology (UIET), Kurukshetra University, Kurukshetra from 5th -6th August, 2022, pp 647-656

6. Triambica Gautam, Amit Srivastava, Shruti Jain, "Data Envelopment Analysis Based Efficiency Measurement of Urban Cooperative Banks", Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2022), pp 1-7, February 11-13, 2022.
<https://ieeexplore.ieee.org/abstract/document/9752972>
DOI: 10.1109/DELCON54057.2022.9752972
7. Anupama Jamwal, Shruti Jain, "Evaluation of Correntropy Features for Normal/Glaucoma Images Employing Ridgelet Empirical Wavelet Transform", Maiden edition of IEEE Delhi Section International Conference on Electrical, Electronics and Computer Engineering (DELCON 2022), February 11-13, 2022, 1-4.
<https://ieeexplore.ieee.org/abstract/document/9753397>
DOI: 10.1109/DELCON54057.2022.9753397
8. HimaniBhardwaj , Shruti Jain, Harsh Sohal, "A Novel Interconnect Structure for DSM Technologies," 2021 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), 2021, pp. 21-24.
<https://ieeexplore.ieee.org/document/9829705>
doi: 10.1109/WIECON-ECE54711.2021.9829705.
9. Himani, Harsh Sohal, Shruti Jain, Design of Buffer Circuit for Global Interconnects Using Adiabatic Dynamic Logic, 2021 7th International Conference on Signal Processing and Communication (ICSC), November 25-27, 2021, pp. 311-315.
<https://ieeexplore.ieee.org/abstract/document/9673404>
doi: 10.1109/ICSC53193.2021.9673404
10. Anupama Jaiswal, Shruti Jain, Detection of Cones for Different Color Visual Impairment, 2021 6thInternational Conference on Image Information Processing, November 26 - 28, 2021, pp. 7-12
doi: 10.1109/ICIIP53038.2021.9702680.
<https://ieeexplore.ieee.org/document/9702680>
11. Shivani Rana, Rakesh Kanji, Shruti Jain, Design of Multi Chain Power Efficient Gathering for Sensor Information System Using Sink Mobility, 2021 6thInternational Conference on Image Information Processing, November 26 - 28, 2021, pp. 81-86,doi: 10.1109/ICIIP53038.2021.9702634
<https://ieeexplore.ieee.org/document/9702634>
12. Garima Thakur, Harsh Sohal , Shruti Jain, "Implementation of Approximate Multiplier using Inexact Compressors", 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC2K21), October07-09, 2021, pp 165-170.
<https://ieeexplore.ieee.org/document/9609411>
doi: 10.1109/ISPCC53510.2021.9609411
13. Himani Bhardwaj, Shruti Jain, Harsh Sohal, Design of Global Interconnects using Adiabatic Dynamic Logic employing FinFET Technology, 2021 6th International Conference on Signal Processing, Computing and Control (ISPCC2K21), October 07-09, 2021, pp450-455.
<https://ieeexplore.ieee.org/document/9609385>
doi: 10.1109/ISPCC53510.2021.9609385
14. Himani, Sunil Yadav, Harsh Sohal, Shruti Jain, "Optimised Crosstalk Circuit for Long Wire Copper Interconnects Using 45nm CMOS Inverter", 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), Bangladesh, Dec 26-27, 2020, pp. 392-395.
<https://ieeexplore.ieee.org/document/9397927/>
15. R. Sarma, S. Dhariwal, and S. Jain, "A novel normalization architecture for floating-point arithmetic", International Conference on Data Science & Machine Learning, ICDSML-2020, pp 374-381, March 19-20, 2021
<https://agcamritsar.in/pl/eproceedings%20ICDSML%202020.pdf>
16. Garima Thakur, Harsh Sohal , Shruti Jain, " FPGA-Based Parallel Prefix Speculative Adder for Fast Computation Application", 2020 Sixth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information Technology, Wagnaghat, India, November 06-08, 2020, pp. 206-210.
doi: 10.1109/PDGC50313.2020.9315783
<https://ieeexplore.ieee.org/document/9315783>
17. Garima Thakur, Harsh Sohal , Shruti Jain, " Design and Analysis of High Speed Parallel Prefix Adder for Digital Circuit Design Applications ", International Conference on Computational Performance Evaluation (ComPE) North - Eastern Hill University, Shillong, Meghalaya, India. Jul 2-4, 2020, pp. 095-100,
DOI : 10.1109/ComPE49325.2020.9200064
<https://ieeexplore.ieee.org/document/9200064>

18. Charu, Shruti Jain, Meenakshi Sood, "Diabetic Retinopathy Detection from Eye Fundus Images with Parameter Tuning for Convolutional Neural Networks", 5th International Conference on Signal Processing, Computing and Control (ISPCC 2k19), Jaypee University of Information Technology, Wagnaghat, India, October 10-12, 2019, pp 13-18.
<https://ieeexplore.ieee.org/document/8988391>
DOI: 10.1109/ISPCC48220.2019.8988391
19. Kirti, Harsh, Shruti, "Review and Comparison of QRS Detection Algorithms for Arrhythmia Diagnosis", 5th International Conference on Signal Processing, Computing and Control (ISPCC 2k19), Jaypee University of Information Technology, Wagnaghat, India, October 10-12, 2019, pp 200-205.
<https://ieeexplore.ieee.org/document/8988503>
20. Shruti Jain, Vibhor Kashyap, Meenakshi Sood, "Optimizing Booster Circuits for Thermo Electric Generators to Utilize Waste Heat", International Conference on Sustainable Computing in Science, Technology and Management, Amity University Rajasthan, Jaipur, India, February 26 - 28, 2019, pp 36-46.
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3349694
21. Kirti, Harsh Sohal, Shruti Jain, " Interpretation of Cardio Vascular Diseases using Electrocardiogram: A Study", Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC) , Jaypee University of Information technology, Wagnaghat, Solan, H.P, India. pp 159- 164, Dec 20-22, 2018.
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8745999>
22. Charu, Shruti Jain, Meenakshi Sood , "Appraisal of Pre-processing Techniques for Automated Detection of Diabetic Retinopathy", Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC) , Jaypee University of Information technology, Wagnaghat, Solan, H.P, India. pp 734- 739, Dec 20-22, 2018.
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8745964>
23. Navdeep Prashar, Meenakshi Sood, Shruti Jain, " Semiautomatic Detection of Cardiac Diseases employing Dual Tree Complex Wavelet Transform", Periodicals of Engineering and Natural Sciences, 6(2), November 2018, pp. 129-140.
DOI: <http://dx.doi.org/10.21533/pen.v6i2.188>
<http://pen.ius.edu.ba/index.php/pen/article/view/188>
24. Urvashi, Charu Bhardwaj, Emjee Puthooran, Shruti Jain, Meenakshi Sood, "Lossless Compression Of Medical Images For Telemedicine Application", 3rd Himachal Pradesh Science Congress 2018 jointly Organized by H.P. Council For Science, Technology & Environment (HIMCOSTE) and Indian Institute of Technology (IIT) Mandi, October 22-23, 2018, IIT Mandi.
25. Vibhor Kashyap, Meenakshi Sood, Shruti Jain, " Energy Harvesting Module for Utilizing Household Waste Heat", 3rd Himachal Pradesh Science Congress 2018 jointly Organized by H.P. Council For Science, Technology & Environment (HIMCOSTE) and Indian Institute of Technology (IIT) Mandi, October 22-23, 2018, IIT Mandi.
26. Kirti, Harsh Sohal, Shruti Jain, "ECG Signal Processing Technique for Heart Rate Variability", 3rd Himachal Pradesh Science Congress 2018 jointly Organized by H.P. Council For Science, Technology & Environment (HIMCOSTE) and Indian Institute of Technology (IIT) Mandi, October 22-23, 2018, IIT Mandi.
27. Rajkumar Sarma, Sandeep Dhariwal, Shruti Jain, "Design & Analysis of a novel 8X8 bit signed/unsigned synchronous MAC architecture using clock gating scheme for fixed-point arithmetic", International Conference on Intelligent Circuits and Systems (ICICS 2018) at Lovely Professional University, Phagwara, Punjab, India, pp 423- 429 , April 20-21, 2018.
DOI: 10.1109/ICICS.2018.00092
<https://ieeexplore.ieee.org/document/8479613/authors#authors>
28. Jyotsna Dogra, Shruti Jain, Meenakshi Sood, "Segmentation of MR Images using Hybrid k Mean-Graph Cut Technique", International Conference on Computational Intelligence and Data Science (ICCIDS 2018), The NorthCap University, Gurugram, April 7-8, 2018.,
Science Direct Procedia Computer Science 132 (2018) 775–784 **UGC NO 48229**
<https://doi.org/10.1016/j.procs.2018.05.089>
29. Jyotsna Dogra, Meenakshi Sood, Shruti Jain, Navdeep Prashar " Segmentation of Magnetic Resonance Images of Brain using Thresholding Techniques", 4th IEEE International Conference on signal processing and control (ISPCC 2017), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, pp 311-315, September 21-23, 2017.
<http://ieeexplore.ieee.org/document/8269695/>
DOI : 10.1109/ISPCC.2017.8269695
30. Navdeep Prashar, Shruti Jain, Meenakshi Sood, Jyotsna Dogra, "Review of Biomedical System for High Performance Applications", 4th IEEE International Conference on signal processing and control (ISPCC 2017), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, pp 300-304, September 21-23, 2017.
<http://ieeexplore.ieee.org/document/8269693/>
DOI : 10.1109/ISPCC.2017.8269693

31. Ritendra Mishra, Shrutu Jain, C Durgaprasad, "Analysis of Piezoelectric Buzzers as Vibration Energy Harvesters", March 16th- 18th, 2016, pp 2476-2480, 10th INDIACOM: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi.
ieeexplore.ieee.org/iel7/7589474/7724213/07724549.pdf

PAPER PUBLISHED WITH M-TECH/ M.Sc. STUDENTS

1. Naresh Rana, Tanishk Thakur, Shrutu Jain, Smart Seizure Detection System: Machine Learning Based Model in Healthcare IoT, *Curr Aging Sci*, 2024 May 3. doi: 10.2174/0118746098298618240429102237.
<https://pubmed.ncbi.nlm.nih.gov/38706349/>
2. Shan Ghai, Prajjwal Jagwan, Rahul Shrivastava, Shrutu Jain, Analysis of differentially expressed M. fortuitum proteins for biomarker prediction using Support Vector Machine, 2023 Seventh International Conference on Image Information Processing (ICIIP -2023), November 22 - 24, 2023 at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh, INDIA **(Accepted & Presented)**
3. Prajjwal Jagwan, Shan Ghai, Rahul Shrivastava and Shrutu Jain, "Prediction of Protein Biomarkers for Mycobacterium fortuitum using Machine Learning Technique," *2023 9th International Conference on Signal Processing and Communication (ICSC)*, NOIDA, India, 2023, pp. 416-421, doi: 10.1109/ICSC60394.2023.10440976. Dec 21-23, 2023
<https://ieeexplore.ieee.org/document/10440976>
4. Shilpa Kaushal, Sunil Datt Sharma, Shrutu Jain, "Investigation of Image Processing Techniques for Glaucoma Detection in Human Eyes", Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, pp 747 – 753, Dec 20-22, 2018.
<https://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=8745976>
5. Shilpa Kaushal, Sunil Datt Sharma, Shrutu Jain, "Empirical Wavelet Transform Based Classification of Glaucoma from Retinal Fundus Images", *Journal of Global Trends in Pharmaceutical Sciences* 9(3),5887-5897, 2018. **UGC no: 46113**
<https://www.jgtps.com/admin/uploads/xYFjnW.pdf>
6. Garima Thakur, Harsh Sohal, Shrutu Jain, "High Speed Radix-2 Butterfly Structure using Novel Wallace Multiplier", *International Journal of Engineering and Technology(UAE)*, 7(3.4), 213-217, 2018.
<https://www.sciencepubco.com/index.php/ijet/article/view/16777>
7. Garima Thakur, Harsh Sohal, Shrutu Jain, "Design and Comparative Performance Analysis of various Multiplier Circuits", *Journal of Scientific and Engineering Research*, 5(7), 340-349,2018. **[IF = 0.53]**
<http://jsaer.com/download/vol-5-iss-7-2018/JSAER2018-05-07-340-349.pdf>
8. Shilpa Kaushal, Sunil Datt Sharma, Shrutu Jain "Glaucoma Detection Technique in Retina-A study", *Preprints* 2018, 2018060301.
<https://www.preprints.org/manuscript/201806.0301/v1>
doi: 10.20944/preprints201806.0301.v1
9. Garima Thakur, Harsh Sohal, Shrutu Jain, "An Efficient Design of 8-bit High Speed Parallel Prefix Adder", *Research Journal of Science and Technology*, 10(2), pp 105-114, 2018. **UGC No : 49210**
<http://rjstonline.com/AbstractView.aspx?PID=2018-10-2-3>
10. Shilpa Kaushal, Sunil Datt Sharma, Shrutu Jain "Eye Disease Detection Technique using Image Processing -A study", International Conference on Futuristic Trends in Network and Communication Technologies (FTNCT-2018), Jaypee University of Information Technology, Solan-173234, Himachal Pradesh, INDIA, 9-10th February, 2018.
11. Radhika Thakur, Shrutu Jain, Meenakshi Sood "FPGA Implementation of Unsigned Multiplier Circuit Based on Quaternary Signed Digit Number System", 4th IEEE International Conference on signal processing and control (ISPCC 2017), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India, pp 637-641, September 21-23, 2017.
<http://ieeexplore.ieee.org/document/8269755/?denied>
DOI : 10.1109/ISPCC.2017.8269755
12. Amandeep, Shrutu Jain, Sahil Bhusri, "CAD for Two Class Classification of Lung Cancer using Statistical Features", *International Journal of Pharmaceutical Sciences Review and Research (IJPSRR)*, 45(2), pp 55-60, 2017 (August).
<http://globalresearchonline.net/journalcontents/v45-2/10.pdf>
13. Shreya Sharma, Shrutu Jain, Sahil Bhusri, "Two Class Classification of Breast Lesions using Statistical and Transform Domain features", *Journal of Global Pharma Technology (JGPT)*, 9(7), pp 18-24, 2017.

- <http://www.jgpt.co.in/index.php/jgpt/article/view/111/156>
14. Sahil Bhusri, **Shruti Jain**, “Classification of Breast Lesions Using Texture Ratio Vector Technique”, March 1st - 3rd , 2017, pp 6289-6293, Proceedings of the 11th INDIACom: 4th 2017 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi.
<https://www.bvicam.ac.in/news/INDIACom%202017%20Proceedings/Main/papers/574.pdf>
 15. Radhika Thakur, **Shruti Jain**, “ FPGA Implementation of Adder Circuit using Quaternary Signed Digit Number System”, March 1st - 3rd , 2017, pp 6273-6277, Proceedings of the 11th INDIACom: 4th 2017 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi.
<https://www.bvicam.ac.in/news/INDIACom%202017%20Proceedings/Main/papers/555.pdf>
 16. Amandeep, Shruti Jain, Sahil Bhusri, “CAD System for Non Small Cell Lung Carcinoma using Laws’ Mask Analysis”, March 1st - 3rd , 2017, pp 6285-6288, Proceedings of the 11th INDIACom: 4th 2017 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi.
<https://www.bvicam.ac.in/news/INDIACom%202017%20Proceedings/Main/papers/562.pdf>
 17. Shreya Sharma, **Shruti Jain**, Sahil Bhusri , “ Classification of Breast Lesions using Gabor Wavelet Filter for Three Classes” March 1st - 3rd , 2017, pp 6282-6284, Proceedings of the 11th INDIACom- 4th 2017International Conference on “Computing for Sustainable Global Development”, BVICAM, New Delhi.
<https://www.bvicam.ac.in/news/INDIACom%202017%20Proceedings/Main/papers/560.pdf>
 18. Sahil Bhusri, **Shruti Jain**, “Analysis of Breast Lesions Using Laws’ Mask Texture Features ”, December 22nd-24th, 2016, pp 56- 60, 2016 Fourth International Conference on Parallel, Distributed and Grid Computing (PDGC), Jaypee University of Information technology, Wagnaghat, Solan, H.P, India
<http://ieeexplore.ieee.org/document/7913115/>
DOI: 10.1109/PDGC.2016.7913115
 19. ShailjaRana , **Shruti Jain**, Jitendra Virmani “Classification of Focal Kidney lesions using Wavelet-Based Texture Descriptors”, International Journal of Pharma and Bio Sciences, 7(3) B, 646-652, July-Sep 2016.
www.ijpbs.net/download.php?download_file=cms/php/upload/5312_pdf.pdf
 20. Sahil Bhusri ,**Shruti Jain**, Jitendra Virmani , “Classification of breast lesions using the difference of statistical features” Research Journal of Pharmaceutical , Biological and Chemical Sciences (RJPBCS) ,7 (4), 1365-1372: July-Aug 2016
[http://www.rjpbcs.com/pdf/2016_7\(4\)/\[175\].pdf](http://www.rjpbcs.com/pdf/2016_7(4)/[175].pdf)
 21. ShailjaRana , **Shruti Jain**, Jitendra Virmani, “SVM-Based Characterization of Focal Kidney Lesions from B-Mode Ultrasound Images ”,Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS),7(4), 837-846: July- Aug, 2016.
[http://www.rjpbcs.com/pdf/2016_7\(4\)/\[106\].pdf](http://www.rjpbcs.com/pdf/2016_7(4)/[106].pdf)
 22. Sahil Bhusri , **Shruti Jain**, Jitendra Virmani, “Breast Lesions Classification using the Amalgamation of morphological and texture features “ International Journal of Pharma and BioSciences (IJPBS), 7(2) B , 617-624, Apr-Jun 2016.
http://www.ijpbs.net/cms/php/upload/5107_pdf.pdf
 23. Sahil Bhusri , **Shruti Jain**, Jitendra Virmani, “Classification of Breast Lesions based on Laws’Feature Extraction Techniques ”, March 16th- 18th, 2016, pp 2523-2527, 10th INDIACom: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi.
<http://ieeexplore.ieee.org/abstract/document/7724557/>
 24. ShailjaRana , **Shruti Jain**, Jitendra Virmani, “Classification of Kidney Lesions using Gabor Wavelet Texture Features”, March 16th- 18th, 2016, pp2528-2532, 10th INDIACom: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi.
<http://ieeexplore.ieee.org/abstract/document/7724558/>

PAPER PUBLISHED WITH B-TECH STUDENTS

1. Manas Jain, Saksham Maini, Shruti Jain, FPGA Implementation of Power-efficient Multipliers for Digital Signal Processing Applications, Recent Advances in Electrical & Electronic Engineering, 17, 2024. **[IF 0.6]**
2. Devanshi Vashistha, Shubham Goel, Shruti Jain, Impact of Convolutional Neural Network Hidden Layers on Brain Tumor Detection, 2023 Seventh International Conference on Image Information Processing (ICIIP -2023), November 22 - 24, 2023 at Jaypee University of Information Technology, Wagnaghat, Himachal Pradesh, INDIA (**Accepted & Presented**)
3. Saransh Rohilla; Shruti Jain, Detection of Brain Tumor Employing Residual Network-based Optimized Deep Learning, Current Computer-Aided Drug Design, 2023-08-16 **[SCI: 1.7]**
DOI: [10.2174/1573409920666230816090626](https://doi.org/10.2174/1573409920666230816090626)

- <https://www.eurekaselect.com/article/133639>
4. Saransh Rohilla, Shruti Jain, Comparative Study of Denoising and Segmentation techniques for Accurate Brain Tumor detection in MRI, *Current Cancer Therapy Reviews*, 2023 [IF 0.6]
 5. Falguni, Shruti Jain, CAD system design for two-class Brain Tumor classification using Transfer Learning, *Current Cancer Therapy Reviews*, 20 (2), 223-232, 2024. [IF 0.6]
DOI: <https://doi.org/10.2174/1573394719666230816091316>
<https://www.ingentaconnect.com/content/ben/cctr/2024/00000020/00000002/art00012>
 6. Sagrika, Shruti Jain, CAD system design for Pituitary Tumor Classification based on Transfer Learning Technique, *Current Medical Imaging*, vol 20, e15734056246146, 2024 [IF 1.4]
<https://www.eurekaselect.com/article/135516>
DOI: [10.2174/0115734056246146231018110415](https://doi.org/10.2174/0115734056246146231018110415)
 7. Himanshu Sharma, Shruti Jain and Amol Vasudeva, "Recognition System for Malarial Parasites Causing Protozoa Infections in Thin Blood Smears," *2023 IEEE 4th Annual Flagship India Council International Subsections Conference (INDISCON)*, Mysore, India, Aug 5-7, 2023, pp. 1-6, doi: 10.1109/INDISCON58499.2023.10270348.
<https://ieeexplore.ieee.org/document/10270348>
 8. Priyansh Garg, Rohit Raj, Tushar Paul, Shruti Jain, Rajiv Kumar, Indigenous Development of Water Quality Monitoring System for Urban Areas using IoT & ML, *International Conference on Computer, Electronics and Electrical Engineering and Their Applications (IC2E3)*, NIT Uttarakhand Srinagar Garhwal, Uttarakhand India, June 8-9, 2023, pp. 1-6, doi: 10.1109/IC2E357697.2023.10262502.
<https://ieeexplore.ieee.org/document/10262502>
 9. Varun Katoch, Karan Verma, Shruti Jain, Design of Plat Leaf Diseases Detection System employing IoT, *International Conference on Computer, Electronics and Electrical Engineering and Their Applications (IC2E3)*, NIT Uttarakhand Srinagar Garhwal, Uttarakhand India, June 8-9, 2023, pp. 1-5, doi: 10.1109/IC2E357697.2023.10262515.
<https://ieeexplore.ieee.org/document/10262515>
 10. Tushar Paul, Rohit Raj, Priyansh Garg, Shruti Jain, Real Time Monitoring of Water Quality for Rural Areas: A Machine Learning and Internet of Things Approach, *4th International Conference on Intelligent Engineering and Management (ICIEM 2023)*, Amity University, 24 Bedford Square, Fitzrovia, London WC 1B 3HN, UK, May 9-11, 2023, pp. 1-6, doi: 10.1109/ICIEM59379.2023.10165824.
<https://ieeexplore.ieee.org/abstract/document/10165824>
 11. Prazwal Thakur, Kartik Joshi, Prateek Thakral, Shruti Jain, Detection of Email Spam using Machine Learning Algorithms: A Comparative Study," *2022 8th International Conference on Signal Processing and Communication (ICSC)*, Noida, India, 2022, December 01 - 03, 2022pp. 349-352.
doi: 10.1109/ICSC56524.2022.10009149.
<https://ieeexplore.ieee.org/document/10009149>
 12. Shruti Jain, Sanket Saxena, Shivam Sinha, Ensemble Architecture for Prediction of Grading of Diabetic Retinopathy, *Cybernetics and Systems*, 2022. <https://doi.org/10.1080/01969722.2022.2151176>
<https://www.tandfonline.com/doi/abs/10.1080/01969722.2022.2151176?journalCode=ucbs20> [SCI: 1.859]
 13. Bandana Pal, Shruti Jain, Detection of Cerebrovascular diseases using Novel Discrete Component Wavelet Cosine Transform, *Current Computer-Aided Drug Design*, 19 (2), pp-137-149, 2023 Dec. PMID: 36503385.
[SCI: 1.639]
<https://www.eurekaselect.com/article/128185>
DOI: [10.2174/1573409919666221209151534](https://doi.org/10.2174/1573409919666221209151534)
 14. Bandana Pal, Shruti Jain, Novel Discrete Component Wavelet Transform for Detection of Cerebrovascular diseases, *Sadhana*, 47 (4) :237, 2022, <https://doi.org/10.1007/s12046-022-02016-9>
[SCI: 1.214 <https://link.springer.com/article/10.1007/s12046-022-02016-9>
 15. Shruti Jain, Vinayak Tiku, Diagnostic System for Detection of Diabetic Retinopathy Severity Diseases , 2021 IEEE International Conference on Biomedical Engineering, Computer and Information Technology for Health (BECITHCON), Dhaka Bangladesh, pp. 14-17, Dec 3-5, 2021. doi :10.1109/BECITHCON54710.2021.9893703
<https://ieeexplore.ieee.org/document/9893703>
 16. Sanket Saxena, Shivam Sinha, Shruti Jain, "Trends of Accuracy on Diabetic Retinopathy Considering Epoch Effect and Bayes Error", 2021 IEEE International Conference on Computing, Power and Communication Technologies (GUCON), pp 1-6, September 24-26, 2021 at Connexion Conference & Event Centre - CCEC, 7, Jalan Kerinchi, Bangsar South, 59200 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia.
doi: 10.1109/GUCON50781.2021.9573967
<https://ieeexplore.ieee.org/document/9573967>

17. Bandana Pal, Surya Mahajan, Shruti Jain, "Medical Image Fusion Employing Enhancement Techniques", 2020 IEEE International Women in Engineering (WIE) Conference on Electrical and Computer Engineering (WIECON-ECE), Bangladesh, Dec 26-27, 2020, pp 223-226.
<https://ieeexplore.ieee.org/document/9398021>
18. Sanket Saxena, Shivam Sinha, Shruti Jain, "Computer Aided Diagnostic System for Diabetic Retinopathy using Convolutional Neural Network" International Conference on Innovations in Information and Communication Technologies, ITS, Mohan Nagar, Ghaziabad, UP, India, 7-8 November, 2020.
19. Kushagra Srivastava, Garima Malhotra, Manthan Chauhan, Shruti Jain, "Design of Novel Hybrid Model for Detection of Liver Cancer", 2020 IEEE International Conference on Computing, Power and Communication Technologies (GUCON), Greater Noida, India, 2020, pp. 623-628, Oct 2-4, 2020
doi: 10.1109/GUCON48875.2020.9231143.
<https://ieeexplore.ieee.org/document/9231143>
20. Bandana Pal, Surya Mahajan, Shruti Jain, "A Comparative Study of Traditional Image Fusion Techniques with a Novel Hybrid Method", International Conference on Computational Performance Evaluation (ComPE) North - Eastern Hill University, Shillong, Meghalaya, India. Jul 2-4, 2020, pp 820-825.
DOI : 10.1109/ComPE49325.2020.9200017
<https://ieeexplore.ieee.org/abstract/document/9200017/>
21. Anish Vijan, Parth Dubey, Shruti Jain, Comparative Analysis of Various Image Fusion Techniques for Brain Magnetic Resonance Images, International Conference on Computational Intelligence and Data Science (ICIDS 2019), Procedia Computer Science 167 (2020) 413–422.
22. Akanksha Dhiman, Ambesh Singh, Shwetajani Dubey, **Shruti Jain**, "Design of Lead II ECG Waveform and Classification Performance for Morphological features using Different Classifiers on Lead II ", Research Journal of Pharmaceutical, Biological and Chemical Sciences (RJPBCS), 7(4), 1226- 1231: July-Aug 2016.
[http://www.rjpbs.com/pdf/2016_7\(4\)/\[155\].pdf](http://www.rjpbs.com/pdf/2016_7(4)/[155].pdf)
23. Akshay Kataria, Palak Kaistha, **Shruti Jain** "Utilization of Exhaust Heat from Automotive Using Thermopile ", March 16th - 18th, 2016, pp 2484-2487, 10th INDIACOM: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi. <http://ieeexplore.ieee.org/abstract/document/7724550/>
24. Paras Goyal, Sachin Arora, Dalchand Sharma, **Shruti Jain**, "Design and Simulation of Gaussian Membership function", International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering , 4(2), pp 26-28: 2016. DOI: [10.17148/IJREEICE.2016.4208](https://doi.org/10.17148/IJREEICE.2016.4208)
<http://ijreeice.com/upload/2016/february-16/IJREEICE%208.pdf>
25. Deepali Samtani, Naman Kumar Patel, Aditya Gupta, **Shruti Jain**, "Design of Universal Gates Based on Reversible Logic", International Journal of Emerging Technologies in Computational and Applied Sciences (IJETCAS), 11((2), 174-178, Dec 2014- Feb 2015. <http://iasir.net/ijetcasissue/ijetcasissue11-2.html>
<http://iasir.net/IJETCASpapers/IJETCAS15-190.pdf>
26. Aastha Afsar, Rohit Chauhan, Somya Verma, **Shruti Jain**, "Energy Harvesting Using Thermoelectric Materials" , International Journal of Advanced Information Science & Technology, 32(32), 28-37, Dec 2014. DOI: 10.1563
<http://ijaist.com/index.php/pub/item/108-energy-harvesting-using-thermoelectric-materials>
27. Raman Gupta, Sandeep Singh, Kashish Garg, **Shruti Jain**, "Indigenous Design of Electronic Circuit for Electrocardiograph", International Journal of Innovative Research in Science, Engineering and Technology, 3(5), 12138-12145, May 2014. http://www.ijirset.com/upload/2014/may/18_Indigenous.pdf
28. Hemank Mehta, Naina Aggarwal, Kunal Dutt, **Shruti Jain**, Effect of Current Feedback Operational Amplifiers using BJT and CMOS, International Journal of Advanced Research in Computer Science and Software Engineering, 3(4), 1081-1087, April 2013. http://www.ijarcsse.com/docs/papers/Volume_3/4_April2013/V3I3-0285.pdf
29. Arpit Kuthiala, Abhimanyu Gupta, Ankur Aggarwal, **Shruti Jain**, Voltage feedback v/s Current feedback Operational Amplifier Using BJT and CMOS, International Journal of Advances in Computing and Information Technology 2(2), 9-16, April 2013. <http://www.ijacit.com/articles/thirteen/vol2issue2/lpages/jacitlp0201302002.html#.U3SBNfmSwYw>
30. Ayush Gupta, Aditya Bhansali, Swati Bhargava, **Shruti Jain**, "Configuration of Operational Amplifier using CMOS", March 19-20, 2010, pp 148-151, International Symposium on Computer Engineering and Technology (ISCET 2010), RIMT-Institute of Engineering and Technology, Mandi Gobindgarh, Punjab, India.
31. Shivam Rastogi, Anshika Chaudhry, Shweta Tiwari, **Shruti Jain**, "A signaling pathway and model for cell death/survival using VHDL ", Dec 14-15, 2009, Proceedings of International Conference on Methods and Models in Computer Science, ICM2CS09
DOI: 10.1109/ICM2CS.2009.5397978
32. Shivam Rastogi, Anshika Chaudhry, Shweta Tiwari, **Shruti Jain**, "Current Mode Comparators Using SPICE Simulation", February 26-28, 2010, pp 36-40, 4th International Multi Conference on Intelligent Systems &

- Nanotechnology (IISN-2010), Institute Of Science and Technology, KLAOWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.
33. Shivam Rastogi, Anshika Chaudhry, Shweta Tiwari, **Shruti Jain**, “Current Mode Active Filters Using CDTA”, February 26-28, 2010, pp 92-94, 4thInternational Multi Conference on Intelligent Systems & Nanotechnology (IISN-2010), Institute Of Science and Technology, KLAOWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.
 34. Satish Pankaj, Abhishek Thakur, Piyush Sharma, **Shruti Jain**, “Dipper Control using RF waves”, February 26-28, 2010, pp 472-475, 4thInternational Multi Conference on Intelligent Systems & Nanotechnology (IISN-2010), Institute Of Science and Technology, KLAOWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.
 35. Satish Pankaj, Abhishek Thakur, Piyush Sharma, **Shruti Jain**, “Automatic Dipper Control”, December 07-10, 2009, pp 289-292, International Conference on Sensors and Related Networks (SENNET-09), VIT University Vellore Inassociation with IGCAR, Kalpakkam and University of Applied Scieences, Karlsruhe, Germany.
 36. Vikash Kumar, Ankit Dabda, Mukul Jain, Kompal Gupta, **Shruti Jain**, Rohit Sharma, “Navigator: an endeavor towards right direction”, February 14-16, 2009, pp 31-33, 3rd International Conference on Intelligent Systems & Networks (IISN-2009), Institute Of Science and Technology KLAOWAD (ISTK), Ambala- Jagadhri Road, Distt. Yamuna Nagar, Haryana, India.
 37. Pratik Gupta, Ekta Patial, Yukti Kanwar, **Shruti Jain**, “Indigenous Design of Biometric based Attendance Monitoring System”, April 17-18, 2009, pp 252-254, National conference on Emerging Trends in Software & Networking Technologies (ETSNT’09), Amity University Campus, Sec-125, NOIDA.

Editorial Board:

1. Network Biology (ISSN 2220-8879),
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- 21) Journal of King Saud University - Computer and Information Sciences
- 22) Journal of Engineering Science and Technology
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- 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)
- 30) TELKOMNIKA Telecommunication Computing Electronics and Control. TELKOMNIKA ISSN: 1693-6930, e-ISSN: 2302-9293 (<http://journal.uad.ac.id/index.php/TELKOMNIKA>)
- 31) International Journal of Applied Power Engineering (IJAPE)
- 32) International Journal of Reconfigurable and Embedded Systems (IJRES)
- 33) Journal of Education and Learning (EduLearn)
- 34) Archives of Computational Methods in Engineering (ARCO)
- 35) Inter Journal of Computing and Digital Systems (IJCDS)

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.

Conferences (TPC) :

1. The International Conference on Signal Processing, computing and control (ISPPC 2012), March 15-17, 2012, JUIT, Solan, India.
2. The International Conference on Computational Intelligence and Communication Networks (CICN 2013), Sept 27- 29, 2013, Mathura, India.
3. International Conference on Machine Intelligence Research and Advancement (ICMIRA 2013), Dec 21- 23, 2013, Katra, India.
4. Machine Intelligence Research and Advancement (MIRA-2013), Dec 27- 29 2013, MIR Labs, India.
5. The 2013 IEEE International Conference on Signal Processing, Computing and Control (2013 IEEE ISPPC), Sept 26-28, 2013, JUIT, Solan, India
6. The International Conference on Computational Intelligence and Communication Networks (CICN 2014), Nov 8-10, 2014, Bhopal, India.

7. 4th International Conference on Electronics, Communications and Networks (CECNet 2014), Beijing, China, Dec 12-15, 2014.
8. International Conference on Recent Cognizance in Wireless Communication & Image Processing (ICRCWIP-2014), Poornima Institute of Engineering & Technology, Jaipur, Jan 16-17, 2015
9. 2015 International Conference on Computer Vision & Image Analysis ICCVIA' 2015, January 18-20, 2015 Sousse, Tunisia.
10. International Conference on Industrial Instrumentation and Control (ICIC 2015), 28th to 30th May 2015, College of Engineering, Pune.
11. 2015 International Conferences on Advances in Computers, Communication and Electronics Engineering (COMMUNE 2015), March 16 to 18, 2015, University of Kashmir, Srinagar, India.
12. 2015 International Conference on Computer Science and Environmental Engineering (CSEE2015), May 17-18, Beijing, China.
13. The 2015 IEEE International Conference on Signal Processing, Computing and Control (2015 IEEE ISPPCC), Sept 24-26, 2015, JUIT, Solan, India
14. International Conference on Control Theory and Its Application (CNTIA'2015), Dec 15-17, 2015, Melaka, Malaysia.
15. First International e-conference on Engineering Science & Management (ICESM 2015), Oct 18, 2015.
16. 5th International Conference on Electronics, Communications and Networks (CECNet 2015), Shanghai, China, Dec 12-15, 2015.
17. International Conference on Computational Techniques in Information and Communication Technologies (ICCTICT 2016), New Delhi, India, March 11-13, 2016.
18. 10th INDIACom: 3rd 2016 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 16-18, 2016.
19. The 3rd International Conference on Electronic Design (ICED 2016), Phuket, Thailand, August 1-2, 2016.
20. International Conference on Image Processing, Data Mining and Information Technology 2016 (IPDMIT-16), Dubai, UAE, September 12-14, 2016.
21. International Conference on Signal Processing and Communication (ICSC), 2016, Jaypee Institute of Information Technology, Noida, India, December 26-28, 2016
22. 1st International Joint Conference on Computer, Electrical and Electronics Engineering 2017, Gazipur, Bangladesh, Feb 7-9, 2017.
23. 2017 International Conference on Control Theory and Its Application (CNTIA'2017), February 14-16, 2017.
24. 11th INDIACom: 4th 2017 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 1-3, 2017.
25. IEEE Virtual Reality 2017 will be held in Los Angeles, California on March 18-22, 2017.
26. International Conference on Optical and Wireless Technologies 2017 (OWT'2017), Malaviya National Institute of Technology Jaipur (MNIT Jaipur), March 18-19, 2017
27. International Conference on Communication, Management and Information Technology ICCMIT'17, University of Warsaw, Poland, April 3-5, 2017.
28. International Conference on Computer, Communications and Electronics 2017 (Comptelix 2017) Manipal University, Jaipur, July 1-2, 2017.
29. EAI International Conference on Ubiquitous Communications and Network Computing (UBICNET), Bangalore, India, August 3-5, 2017
30. Third International Symposium on Signal Processing and Intelligent Recognition Systems (SIRS'17), Manipal Institute of Technology, Manipal University, Manipal, India during September 13-16, 2017.
31. Third International Symposium on Intelligent Systems Technologies and applications (ISTA'17), Manipal University, Karnataka, India during September 13-16, 2017.
32. 4th IEEE International Conference on signal processing and control (ISPPCC 2017), Jaypee University of Information technology, Waknaghat, Solan, H.P, India, September 21-23, 2017
33. The 2017 International Conference on Emerging Electronic Solutions for IoT (ICEESI 2017), Penang, Malaysia during October 9- 10, 2017.
34. The 6th International Conference on Biomedical Engineering and Biotechnology (ICBEB 2017) Guangzhou, China, October 17th - 20th, 2017.
35. 1st International Conference on Innovative Algorithms – ICIA 2017 during October 2017.
36. International Conference on Emerging Electronic Solutions for IoT 2017-ICEESI 2017, Malaysia, October 9-10, 2017.
37. 24th 2017 IEEE International Conference on Electronics, Circuits and Systems (ICECS 2017) December 5-8, 2017

38. Malaysian Technical Universities Conference on Engineering and Technology (MUCET 2017)- December 6-7 , 2017.
39. IJCCEE 2017 (1st International Joint Conference on Computer, Electrical and Electronics Engineering 2017)
40. International Conference on Optical and Wireless Technologies 2018 (OWT 2018), Jaipur, india, February 10-11, 2018
41. International Conference on Signal Processing and Communication (ICSC-2018), The Department of Electronics and Communication Engineering, Jaypee Institute of Information Technology (JIIT), Noida, March 21 - 23 2018.
42. 12th INDIACom: 5th 2018 International Conference on Computing for Sustainable Global Development, BVICAM, New Delhi, India, March 14-16, 2018.
43. 2019 International Conference on Signal Processing and Communication (ICSC-2019), 21 - 23 March 2018, JIIT, Noida.
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, Wagnaghat, 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, IITM Gwalior and IITDM 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, Campinas, 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, Campinas, 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	Murios 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	Murios XI	Diff Universities	February 10-12, 2017	200+

COURSES TAUGHT

Month Period/Year	Course No. and Title/Status	Students Enrolled
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 10M11EC114 VLSI circuits and System Design	85 85 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	12 02

	10B17EC672- VLSI lab 10B17EC471 -Devices and Circuit Simulation Lab 13B1WEC731- CMOS Analog Circuit Design	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
January-June 2022	18B11EC411-Analog Integrated Circuits 18B17EC471- Analog Integrated Circuits Lab 19B1WEC831-Digital CMOS ICs	18 18 4
August- December, 2022	18B1WEC847 – Medical Image Processing 18B17EC372 – Digital Electronics and Logic Design Lab 18B11WEC744- FPGA based Instrumentation System Design	5 27 18
January-June 2023	18B11EC411: Analog Integrated Circuits 18B17EC471: Analog Integrated Circuits Lab 18B17EC672: VLSI Technology Lab	07 07 17
August- December, 2023	18B11EC313: Electronic Devices and Circuits 18B17EC373 : Electronic Devices and Circuits Lab 21M1WEC135 : Signal Processing for IoT	04 04 03
Jan- June 2024	18B11EC211- Electrical Sciences 18B11EC612-VLSI Technology	387 06

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).