

Dr. Sweety Jain, BE, ME, PhD

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A professional qualified and experienced person with extensive knowledge and skills in Electronics and Communication Engineering. Able to work effective at all levels in organization with the ability to manage changes and meets time quality demands and where I can effectively use my skills & knowledge.

➤ EDUCATIONAL QUALIFICATIONS

S.No.	Qualifications	Board/University	Year	% of Marks	Grade & Rank
1	H.S.S.C.(XII)	M.P. Board of Secondary Education	2005	74.6	<i>Distinction</i>
2	B.E.(Electronics & Communication)	MPCT, Gwalior RGPV, Bhopal	2009	76.4	<i>First with Honors.</i>
3	M.E.(Communication Control & Networking)	MPCT, Gwalior RGPV, Bhopal	2012	78.5	<i>First with Honors.</i>
4	Ph.D* (Design and Development of Microstrip Sensor for Determination of Moisture Content)	Amity University, ASET Gwalior	2019	-	<i>Awarded</i>

➤ TEACHING EXPERIENCE: (6 Yrs 9 Months till 30th May 2023)

- Worked as an Assistant Professor (Regular) Department of Electronics Engineering in *Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh* from 1st July 2022 to till now.
- Worked as an Assistant Professor (Regular) Department of Electrical and Electronics Engineering in *Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh* from 8th September 2021 to 30th June 2022.
- Worked as an Assistant Professor (Contractual) Department of Electronics and Communication Engineering in *Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh* from 2nd March 2020 to 7th September 2021.
- Worked as an Assistant Professor (Adhoc) Department of Electronics and Communication Engineering in *Amity University Madhya Pradesh, Gwalior* from 8th January 2019 to 26th April 2019.
- Worked as an Assistant Professor (Adhoc) Department of Electronics and Communication Engineering in *Amity University Madhya Pradesh, Gwalior (M.P)* from 3rd January 2018 to 27th April 2018.
- Worked as an Assistant Professor Department of Electronics and Communication Engineering in *NRIITM College, Gwalior (M.P)* from 27th November 2012 to 26th September 2014.
- Worked as a Lecturer of Department Electronics and Communication Engineering in *NRIITM College, Gwalior (M.P)* from 1st September 2009 to 31st August 2010.

➤ AREAS OF RESEARCH INTEREST

- Sensing Technology – Low Frequency, Microwave and RF Sensors
- RF and Microwave Engineering
- Microwave Antennas
- Computer aided design of microwave integrated circuits.

➤ PATENT FILED

Patent Application No. 202011041607 of “*A Microstrip Moisture Sensor*” published on 1 April 2022.

➤ AWARDS, HONOURS, RECOGNITION AND MEMBERSHIP

- Faculty Convenor** of National Seminar Cum Workshop on Procurement and Marketing Support Scheme organized by MSME DFO Indore in association with the Government of Madhya Pradesh on 23rd February 2023.
- Faculty Coordinator** organized the Intellectual Property Awareness Program (*online mode*) under the National Intellectual Property Awareness Mission on 7th January 2023.
- Reviewer** “IEEE International Conference on Interdisciplinary approaches in technology and Management for Social innovation (IATMSI-2022)”, organized by IEEE MP Section and ABV-IIITM Gwalior, India on 21-23 December 2022.
- Reviewer** of “12th International Conference on Electronics, Communications and Networks (CECNet 2022)” 4th -7th November 2022.
- Completion** of Journal Citation reports (JCR), Certification series 2022 on 10 August 2022.
- Reviewers/Technical Committee Member** of 2023 Second International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2023) during 05 to 07, April 2023.
- Editorial Board Member** of Transaction on Electromagnetic Spectrum from 24th June 2022 to Till Date.
- Appreciation Certificate** for evaluating the teams in Internal Hackthon 2022, held on 25th March 2022.

- **Appreciation Certificate** as a speaker in the webinar “Microstrip Antenna empowering the farming sector” on 18th February 2022 in NRI Institute of Information Science and Technology, Bhopal, Madhya Pradesh.
- **Best Paper Award for the Paper** “Design and Analysis of Miniaturized Dual Band Microstrip Sensor for Determination of Salinity” Proc. of National Web Conference on Challenges and innovation in Engineering and Technology (NWCCIET-2021), held on 19th -20th March 2021, Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam, Tamil Nadu.
- **Achieved Appreciation Certificate** for Presented the entitled “Analysis of Soil Suitability Based on Different Techniques” at World Soil Day Virtual Conference on Soil Resource management for Sustainable Agriculture organized by VIT School of Agricultural Innovations and Advanced Learning (VAIAL), on 5th December, 2020.
- **Editorial Board Member** of International Journal of Sensors and Sensor Networks from 9th June 2020 to Till Date.
- **Editorial Board Member** of Journal of Physics and Advanced Applications from 10th June 2020 to Till Date.
- **Editorial Board Member** of International Journal of Science Management and Engineering Research (IJSMER) from 25th June 2020 to Till Date.
- **Graduated** in “Publons Academy Practical Peer Review Course” on 11th June 2020.
- **Reviewer** in “11th International Conference on Electronics, Communications and Networks (CECNet 2021)” held on 18-21 November, 2021 in Beijing, China.
- **Reviewer** in Acta Scientific Agriculture from 22nd December 2020 to till date.
- **Convenor** in 44th Indian Social Science Congress, New Gobal Technological Society from 15th to 19th March, 2021.
- **Editor** in “International Journal of Intelligent Communication, Computing and Networks” from 10th Feb. 2021 to Till Date.
- **Thesis selected** and Presented on 19th Dec. 2019 in Indian Institute of Technology (IIT) Jodhpur organized by Bhabha Atomic Research Centre (BARC), Mumbai.

➤ **Ph.D. THESIS SUPERVISION:** *1 ongoing*

➤ **ADMINISTRATIVE/ACADEMIC RESPONSIBILITIES**

- Faculty Mentor of B.Tech. I Year from 28th September 2022.
- Member of academic council of the institute from 12 September 2022.
- Responsibility fulfills the requirement of AICTE, following Institutional Innovation Council (IIC) from 8 September 2022.
- TG in Electronics and Communication in 3rd Year from 1st August 2022 to till date, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Work is assigned of compile the comparative of the contract faculty recruitment process in the department on 28th June 2022.
- Member of writeoff committee for the junked electronics equipment and furniture available in the electronics and communication department.
- Contribution as a Co Advisor for Samrat Utsav 2022 in event and discipline committee.
- Contribution as a committee member of NEP 2020 for brings awareness amongst students regarding the provisions and benefits of NEP 2020.
- Member of Anti-Ragging Duty from 22nd October 2021.
- Coordinator of Sports and Club (Badminton and Table Tennis) from 22nd September 2021 to till date, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Member of Startup Cell, incubation, IPR in the institute under TEQIP-III from 13 March 2022.
- Deputed for TR of Autonomy Examination in Examination Section (Dec 21- Jan 22).
- Member of Exam Invigilation and Moderation Committee in Department for End Semester Examination Dec. 2021-Jan 22.
- Member of Youth Affairs for the year 2021-22, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Member of Moderation Committee for the year 2021-22, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Member of Women’s Grievance Cell for the year 2021-22, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Warden in Gajra Raje Girls Hostel from 15th June 2021 to 15th September 2022, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Member of Exam Invigilation Committee in Department for End Semester Examination May 2021.
- TG in Electronics and Communication in 2nd Year from 15th July 2021 to 31st July 2022, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Member of National Institute Ranking Framework (NIRF) from 16 December to till date, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Coordinator of Sports and Club (Badminton and Table Tennis) from 10 December 2020 to 21st September 2021, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- TG in Artificial Intelligence and Data Science 1st Year from October 2020 to June 2021, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- TG in Electronics and Communication in 3rd Year from July to December 2020, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Warden in Kalpana Chawla Hostel from 19th October 2020 to 15th June 2021, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.

- Assistant Warden in Kalpana Chawla Hostel from 2nd March 2020 to 18th October 2020, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.
- Lab Incharge of Microwave Lab, Samrat Ashok Technological Institute (S.A.T.I.) Vidisha Madhya Pradesh.

➤ ACADEMIC CERTIFICATION

- Successful Completion Certificate in the course “*Fabrication Techniques for MEMs based Sensors*” (12 Weeks) through NPTEL, by IISc Bangalore July-October 2022.
- Successful Completion Certificate in the course “*Digital Switching I*” (8 Weeks) through NPTEL, by IIT Kanpur July-September 2022.
- Successful Completion Certificate in the course “*Basic of Software Defined Radios*” (4 Weeks) through NPTEL, by IIT Roorkee July-August 2022.

➤ TRAVEL GRANTS

- 33rd M.P. Young Scientist Congress (MPYSC-2018)
- BARC (DAE Solid State Physics Symposium-2017)

➤ M.P. COUNCIL OF SCIENCE AND TECHNOLOGY

- A research paper “*Performance of Microstrip Patch Antenna in Biomedical Sector*” presented in “37th M.P. Young Scientist Congress” held in Mahatma Gandhi Chitrakoot Gramodaya Vishwavidyalaya, Satna (M.P.) (*online mode*) during March 14th -17th 2022.
- A research paper “*Design and development of Microstrip Sensor for Determination of Salt and Sugar Based on Direct Transmission Method*” presented in “36th M.P. Young Scientist Congress” held in Vikram university, Ujjain (*online mode*) during March 23rd - 26th 2021.
- A research paper “*A U-Shape Sensor for the Determination of Rice Moisture Content*” presented in “33rd M.P. Young Scientist Congress” held in Rani Durgavati Vishwavidyalaya, Jabalpur during March 15th - 16th 2018.

➤ INVITED TALK

- Expert Talk on “*Microstrip Antenna: Empowering in Farming Sector*” at NRI Institute of Information Science and Technology, Bhopal (*online*) on 18 Feb. 2022.

➤ LIST OF PUBLICATIONS

▪ *International Journals:*

- **Sweety Jain**, Vivek Singh Kushwah, Sanjay Chouhan and Mohamed El Bakkali “Study of SAR in Tumor for Biomedical Applications Based on Microstrip Patch Antenna”, *Internet of Things Enabled Antennas for Biomedical Devices and Systems*, pp 237-247, 1 May 2023. DOI: https://doi.org/10.1007/978-981-99-0212-5_19, Online ISBN 978-981-99-0212-5
- **Sweety Jain** “Early Detection of Salt and Sugar by Microstrip Moisture Sensor Based on Direct Transmission Method”, *Wireless Personal Communication*, Vol. 122, Issue 1, pp 593-601, Jan. 2022. DOI: 10.1007/s11277-021-08914-1, ISSN: 0929-6212, I.F.: 1.671
- **Sweety Jain** “Determination of Moisture Content from Microstrip Moisture Sensor with Minimum Mean Relative Error”, *Smart Antennas (Springer)*, pp 345-357, 1 Jan 2022, eBook ISBN: 978-3-030-76636-8, https://doi.org/10.1007/978-3-030-76636-8_26
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Design and analysis of dual-frequency microwave moisture sensor based on rectangular microstrip antenna” *Materials Today Proceeding Elsevier*, 47, part 18, pp 6441-6448, 18 October, 2021, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2021.08.179>.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “The analysis and design of circular microstrip moisture sensor for rice grain” *Materials Today Proceeding Elsevier*, 47, part 18, pp 6449-6456, 18 October, 2021, ISSN: 2214-7853, <https://doi.org/10.1016/j.matpr.2021.08.180>
- Vivek Singh Kushwah, **Sweety Jain**, “Enhancement of Reflection Coefficient for Circular Ring Microstrip Sensor”, *Materials Today Proceeding Elsevier*, vol.47, part 19, pp 6652-6655, 6th May 2021. <https://doi.org/10.1016/j.matpr.2021.05.106>, ISSN: 2214-7853 I.F. 0.576
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, Jyoti Mishra, “Design and Analysis of moisture content of hevea latex rubber using microstrip patch antenna with DGS” *Materials Today Proceeding Elsevier*, Vol. 29, Part 2, pp 581-586, August 2020. ISSN: 2214-7853, DOI: <https://doi.org/10.1016/j.matpr.2020.07.312>, I.F. 0.576
- **Sweety Jain**, Pankaj Kumar Mishra, Jyoti Mishra, Vandana Vikas Thakare, “Design and analysis of H-Shape patch sensor for rice quality detection” *Materials Today Proceeding Elsevier*, Vol. 29, Part 2, pp 556-560, August 2020. DOI: <https://doi.org/10.1016/j.matpr.2020.07.317>
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, Jyoti Mishra, “Design of microstrip moisture sensor for determination of moisture content in rice with improved mean relative error”, *Microwave and optical technology letters*, vol. 61, issue 7, pp 1764-1768, July 2019, ISSN number: 1098-2760, DOI: 10.1002/mop.31763.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Rice Moisture Detection Based on Oven Drying Technique using microstrip ring sensor”, *Engineering Vibration, Communication and Information Processing* (Lecture notes in electrical engineering), vol. 478, pp 99-109, 2019, ISSN number: 1876-1119, DOI: https://doi.org/10.1007/978-981-13-1642-5_9.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, Jyoti Mishra, “Design and Analysis of Moisture Sensor for Agricultural Application Based on Patch Antenna” *International Journal of Emerging Technologies and Innovative Research*, vol. 6, issue 3, pp 576-580, March 2019, ISSN number: 2349-5162, I.F. 7.95

- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, Jyoti Mishra, “Analysis of microstrip moisture sensor for wheat grains”, *International Journal of Life Science and Pharma Research*, SP– 04; “Smart Materials: Energy and Environment for Smart Cities” pp 13-15, 2018, ISSN number: 2250480.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, Jyoti Mishra, “Analysis of microstrip patch antenna as a sensor with the help of different techniques” , *International Journal of Life Science and Pharma Research*, SP– 04; “Smart Materials: Energy and Environment for Smart Cities” pp 74-76, 2018, ISSN number: 2250480.
 - Pankaj Kumar Mishra, **Sweety Jain**, Vandana Vikas Thakare, Jyoti Mishra, “Determination of moisture content by using the microstrip antenna with the help of different techniques: A Review” *International Journal of Life Science and Pharma Research*, SP– 04; “Smart Materials: Energy and Environment for Smart Cities” pp 31-35, 2018, ISSN number: 2250480.
 - Jyoti Mishra, **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Circular microstrip moisture sensor based on oven drying technique: A Review”, *International Journal of Life Science and Pharma Research*, SP– 04; “Smart Materials: Energy and Environment for Smart Cities” pp 21-23, 2018, ISSN number: 2250480.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Determination of moisture content in soil based on oven drying method using a microstrip patch sensor”, *International journal of engineering technologies and management research*, Vol. 5, Issue 2, pp 233-239, Feb 2018, ISSN number: 2454-1907, DOI: 10.5281/zenodo.1202501.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, Jyoti Mishra, “Microstrip moisture sensor based on microstrip patch antenna”, *Progress in electromagnetic research -M*, vol. 76, pp 175-185, 28 November 2018, ISSN number: 1937-8726, DOI:10.2528/PIERM18092602
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Analysis and Optimal design of moisture sensor for rice grain moisture measurement”, *American Institute of physics*, pp 1-3, 2018, DOI: 10.1063/1.5028775, 060005.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Design and development of microstrip sensor with triple frequency for determination of rice grains moisture content”, *International journal of mechanical and production engineering research and development (IJMPERD)*, vol. 7, issue 5, Oct 2017, pp 375-380, ISSN number 22498001.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Analysis of moisture sensor based on microstrip patch antenna : A review”, *International Journal of Current Engineering and Scientific Research (IJCESR)*, volume 3, issue 1, pp 64-67, January 2016, ISSN number:2393-8374.
 - **Sweety Jain**, Pankaj Singh Tomar, G.S. Tomar, “Design and Analysis of Proximity Fed Circular Disk Patch Antenna”, *International Journal of Emerging Technology and Advanced Engineering*, Volume 2, Issue 10, pp 126-131, October 2012.
- **National Journals:**
- **Sweety Jain**, Vivek Singh Kushwah, “Design and Analysis of Circular Ring Wireless Microstrip Moisture Sensor”, *Engineering and Technology Journal for Research and Innovation (ETJRI)*, Vol. 3, Issue 1, Page 32-34, Dec. 2020, ISSN 2581-8678.
 - **Sweety Jain**, Vandana Vikas Thakare, “Design and Analysis of compact microstrip circular resonator with slotted in ground plane as a grain moisture sensor”, *Review of information engineering and Applications*, vol. 7, no. 1, pp 1-5, 30 March 2020, DOI: 10.18488/journal.79.2020.71.1.5, ISSN(e): 2409-6539.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Bandwidth and Gain enhancement in microstrip moisture sensor for agricultural applications”, *Indian journal of science and engineering research*” vol.1, issue 1, pp 37-40, July-Dec, 2017.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “A Rectangular microstrip moisture sensor based on microwave measurement technique”, *SKIT Research Journal*, vol.7, issue 1, 2017, pp 30-33, ISSN: 2278-2508.
 - **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Design and Analysis of microstrip moisture sensor for the determination of moisture content in soil”, *Indian journal of science and technology*, vol.9, issue 43, pp 1-6, November 2016, ISSN number: 0974-5645, DOI: 10.17485/ijst/2016/v9i43/101065.
- **International Conferences**
- **Sweety Jain**, Vivek Singh Kushwah “Design and Analysis of Microstrip Sensor with Coaxial Feed for Monitoring the Moisture Content in Lubricating Oil” *International Conference on Innovations in Smart Technology, Advanced Materials and Communication Engineering (ISTAMCE 2021)*, held on 9th June, 2021, organized by Amity University, Madhya Pradesh.
 - **Sweety Jain**, “Effect of Reflection Coefficient on Dielectric Properties”, *Proc. of International Web Conference on Smart Engineering Technologies (IWCSET-2020)*, held on 26th -27th June, 2020, organized by Ramco Institute of Technology, Rajapalayam, TamilNadu.
 - **Sweety Jain**, “Design and Analysis of Flame Retardant Material Based Microstrip Sensor” *Proc. of International Conference on Ethical and Quality Aspects in Nanoscience and Nanotechnology Research (ICEQANNR-2020)*, held on 20th June, 2020, organized by Department of Physics on collaboration with KBCNMU, Satpuda Shikshan Prasarak Mandal’s, Vasant Rao Naik Art’s, Commerce and Science College, Sahada, Maharashtra.
 - **Sweety Jain**, “Triple Frequency Microstrip Patch Sensor For Detection of Sugar and Salt Solution Based on Dielectric Properties”, *International Conference on Advance in Computing, Communication and Control*, held on 16th June, 2020, organized by School of Computer Science and Applications, IIMT University, Meerut Uttar Pradesh, India.
- **National Conferences**
- **Sweety Jain**, “Design and Analysis of Miniaturized Dual Band Microstrip Sensor for Determination of Salinity” *Proc. of National Web Conference on Challenges and innovation in Engineering and Technology (NWCCIET-2021)*, held on 19th -20th March 2021, Department of Electronics and Communication Engineering, Ramco Institute of Technology, Rajapalayam, Tamil Nadu.
 - **Sweety Jain**, “Analysis of Sugar and Salt Solution Based on Microstrip Patch Antenna: A Review”, *Proc. of National Conference on Role of Electronics Engineering in Current Societal Changes (REECSC-2020)*, held on 20th– 21th June, 2020, organized by Madhav Institute Technology and Science, Gwalior, Madhya Pradesh.

- **Sweety Jain**, “Design and Analysis of Microstrip Fractal Resonator For Determination of Sugar and Salt Solution”, *Proc. of National Conference on Advances in Information and Communication Technology (NCAICT-2020)*, held on 17th – 18th June, 2020, organized by Madhav Institute Technology and Science, Gwalior, Madhya Pradesh.
- **Sweety Jain**, “Determination of Soil Suitability Based on Different Techniques”, *International Webinar on Recent Trends in Nanomaterials and Nanobiomaterials (RTNN)*, held on 14th -15th, June, 2020, organized by Department of Physics, Narajole Raj College, Medinipur.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, Jyoti Mishra, “Design and analysis of rectangular microstrip sensor with slotted in ground plane” *Proc. of National conference on Advances in intelligent computing and communication technologies*, held on 11 October 2019 at Amity University Madhya Pradesh.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “A novel design of microstrip patch sensor for soil moisture measurement” *Proc. of Scientific and technical terminology in science and technology*, held on 29-30th Nov. 2017 at Amity University Madhya Pradesh.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Design and Analysis of microwave moisture sensor for determination of oil palm fruit ripeness” *Proc. of National conference on Communication, Network and cyber security (NCCNCS) 2017* held on 12-13 April, 2017 at Amity University Madhya Pradesh.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Design and analysis to improve the resonant frequency of microstrip ring resonator moisture sensor” *Proc. of National conference on Recent Trends in Microwave Engineering* held on 1st October 2016 at MITS Gwalior, Madhya Pradesh.
- **Sweety Jain**, Pankaj Kumar Mishra, Vandana Vikas Thakare, “Microstrip patch sensor: A Review” *Proc. of National conference on Recent Advances in Communication Engineering* held on 4th-5th December, 2015 at MITS Gwalior, Madhya Pradesh.

➤ REVIEWED RESEARCH PAPERS IN SCI JOURNAL

- Telecommunication Computing Electronics and Control Aug. 2022
- Wireless Personal Communication, 2021
- Current Journal of Applied Science and Technology, Dec. 2020
- IEEE Access, Dec. 2020
- International Journal of Microwave and Wireless Technologies, Nov. 2020
- Journal of Microwave Power and Electromagnetic Energy, Nov. 2020
- Measurement and Control, August 2020, Sep. 2020
- Journal of Computer Science, July 2020
- Journal of Computer Science, June 2020 (2)
- Journal of Physics and Advanced Applications (4)
- IEEE Access, IEEE Nov. 2019
- Emergent Materials, Oct. 2019
- IEEE Access, IEEE Sep.2019
- IEEE Access, IEEE Aug.2019
- IEEE Access, IEEE Jul.2019
- IEEE Access, IEEE Jun.2019
- IEEE Access, IEEE Feb.2019
- Journal of Microwave Power and Electromagnetic Energy, Sep. 2018
- Bio Resources Technology, Elsevier 2018

➤ WORKSHOP/WEBINARS ORGANIZED

- Member of Women Grievance Cell organized the Workshop on “Hygiene and Medical Problems related to girls” on 24th May 2023 in SATI Vidisha.
- Faculty Coordinator of the workshop on “Intellectual Property Rights (IPR), Patents and Design Filing” held 1st March 2023 under the National Intellectual Property Awareness Mission, organized by Intellectual Property Office and MoE’s Innovation Cell, India.
- Faculty Convenor of National Seminar Cum Workshop on “Procurement and Marketing Support Scheme” organized by MSME DFO Indore in association with the Government of Madhya Pradesh on 23rd February 2023.
- Workshop Coordinator of “Phased Antenna Array for 5G Devices” held on 22nd February 2023, organized by Department of Electronics Engineering, SATI Vidisha.
- Faculty Coordinator of the Event “Entrepreneurship Awareness Programme” held on 30th January 2023, organized by IIC, AICTE IDEA Lab, Startup Cell & MSME Incubation Centre, SATI Vidisha in association with MSME-DI Indore.
- Faculty Coordinator of the workshop on “Importance of Critical thinking in IPR with Innovation Idea and Design”, held on 7th January 2023, organized by Institute Innovation Council (IIC) under KAPILA Scheme of MoE’s Innovation cell, AICTE, New Delhi.
- Co-coordinator of the webinar on “Artificial Intelligence and its Exploration for IoT”, held on 7th January 2021, organized at Samrat Ashok Technological Institute, Vidisha Madhya Pradesh.
- Coordinator of the workshop on “Cyber Security” under TEQIP III, held on 19th -20th November 2020, organized at Samrat Ashok Technological Institute, Vidisha Madhya Pradesh.
- Webinar organized on “Online Internship Program” held on 8th 2020, organized by Hex N Bit.

➤ FACULTY DEVELOPMENT PROGRAM ATTENDED

- Faculty Development Program on “Recent research and Advancements in Electrical and Electronics Engineering (RRAEEE-2023)” held on 17th -21st April, 2023, jointly organized by the Department of Electrical Engineering, IQAC, Haldia Institute of Technology and IETEBWN Subcentre.

- Faculty Development Program on “*Design of High-frequency Antennas for Real-time Applications (DHARA-2023)*” held on 14th -18th March, 2023, jointly organized by the Department of ECE of GMR Institute of Technology, Rajam and the Department of ECE of VR Siddhartha Engineering College, Vijayawada, Andhra Pradesh.
- Faculty Development Program on “*Innovation, Research and IPR Journey towards Excellence*” held on 1st March 2023, organized by BVB’s Sardar Patel College of Engineering, Mumbai & HSM’s Shri Sant Gadge Baba College of Engineering and Technology, Bhusawal.
- Faculty Development Program on “*Advances in Wireless and Antenna Technology*” held on 7th -12th November 2022, organized by Department of Electronics and Communication Engineering, KLE Technological University, Belagavi.
- Faculty Development Program on “*Fabrication Techniques for MEMs based Sensors*” duration, 12 Weeks (July-Oct., 2022), organized by NPTEL-AICTE.
- Faculty Development Program on “*Trends, Perspectives and Prospects in Machine Learning and its Applications*” held on 26th September - 1st October 2022, organized by A.D. Patel Institute of Technology, New Vallabh Vidyanagar.
- Faculty Development Program on “*Modelling, Simulation and Measurement of High Frequency Antennas for Advanced Wireless Communication*” held on 1st -5th August 2022, organized by Department of Electronics and Communication Engineering, Meerut Institute of Engineering and Technology in association with Entuple Technologies and ACIC MIET Meerut Foundation.
- Faculty Development Program on “*Recent Trends in Electric Vehicles*” held on 25th -29th July 2022, organized by Department of Electrical and Electronics Engineering, PSN College of Engineering and Technology, Chennai.
- Faculty Development Program on “*Inculcating universal Human Values in Technical Education*” held on 18th -22nd July 2022, organized by All India Council for Technical Education (AICTE).
- Faculty Development Program on “*Antenna: Design, Fabrication and Measurement*” held on 2th -6th August 2021, organized by AICTE Training and Learning (ATAL) Academy at G B Pant Institute of Engineering and Technology.
- Faculty Development Program on “*Wireless Communication Technologies*” held on 21th -25th June 2021, organized by AICTE Training and Learning (ATAL) Academy at Atal Bihari Bajpayee Indian Institute of Information Technology and Management, Gwalior, Madhya Pradesh.
- Faculty Development Program on “*Cognitive Radio, Antennas and Millimeter Wave Communication*” held on from 7th June 2021 to 11th June 2021, organized by AICTE Training and Learning (ATAL) Academy at Saranathan College of Engineering, Tamil Nadu.
- Faculty Development Program on “*Innovation Management*” held on 22th -26th February 2021, organized by AICTE Training and Learning (ATAL) Academy at Dr. B.R. Ambedkar National Institute of Technology, Jalandhar.
- Faculty Development Program on “*Advances in Wireless Communications*”, held on 12th -16th October 2020, organized by Department of Electronics and Communication Engineering, NIT Andhra Pradesh.
- Faculty Development Program on “*5G: Devices and Key Enable Technologies*” held on 19th -23rd September 2020, organized by Department of Electronics Engineering, MITS, Gwalior, Madhya Pradesh.
- Faculty Development Program on “*Sensors Technology*” held on 7th -11th September 2020, organized by AICTE Training and Learning (ATAL) Academy at Shri Vithal Education and Research Institute College of Engineering, Pandharpur.
- Faculty Development Program on “*Recent Advancement of Computational Electromagnetics in Modern Microwave Antennas*” held on 24th - 29th August 2020, organized by Department of ECE Sri Venkateswara College of Engineering.
- Faculty Development Program on “*Control Systems and Sensor Technology*” held on 17th -21st August 2020, organized by AICTE Training and Learning (ATAL) Academy at Government College of Engineering, Srirangam.
- Faculty Development Program on “*Embedded Systems and IoT (ESI-2020)*” held on 4th August to 8th August 2020, organized by Swami Keshavanand Institute of Technology, Management and Gramothan, Jaipur.
- Faculty Development Program on “*Technologies with Social Relevance*” held on 27th July-1st August 2020, organized by Department of Electronics and Communication Engineering, GMR Institute of Technology, Rajam, Andhra Pradesh.
- Faculty Development Program on “*Research Trends in Image Processing with Machine Learning and Deep Learning*”, held on 21st -25th July 2020, organized by G. Pulla Reddy Engineering College (Autonomous), Kurnool.
- Faculty Development Program on “*Power System Analysis and Its Application in Current Scenario*” held on 8th – 12th July 2020, organized by Department of Electrical and Electronics Engineering, Kongu Engineering College (Autonomous), Tamil Nadu.
- Faculty Development Program on “*Nano Science and Technology*” held on 29th June-7th July 2020, organized by Sathyabama Institute of Science and Technology in association with Indian Institute of Information Technology Design and Manufacturing (IIITDM Kancheepuram).
- Faculty Development Program on “*Problem Based Learning*” held on 1st – 5th June, 2020, organized by Department of Electronics and Communication Engineering, JSPM’s Rajarshi Shahu College of Engineering, Pune.
- Faculty Development Program on “*Advances in Internet of Things*” held on 29th May- 2nd June, 2020 organized by Department of Electronics and Computer Science at Fr. Conceicao Rodrigues College of Engineering, Bandra.
- Faculty Development Program on “*Recent Trends, Advancements and Applications of Communication Technologies*” held on 25th to 29th May 2020, Organized by ECE Department under Research Centre for Advanced Communication Systems (RCACS), CMR Technical Campus, Hyderabad, India.
- Faculty Development Program on “*Recent Trends in VLSI and Embedded Auto Industry*” held on 20th -24th May, 2020, Organized by Centre for VLSI and Embedded Systems Design (CVESD) with CMR Technical Campus, Hyderabad.
- Faculty Development Program on “*Machine Learning and Applications*” held on 18th - 23rd May, 2020, organized by Sagar Institute of Research & Technology, Bhopal, Madhya Pradesh.
- Faculty Development Program on “*Technologies of Healthcare*” held on 8th -10th May, 2020, organized by Department of Electronics and Communication Engineering, GMR Institute of Technology, Rajam, Andhra Pradesh.
- Faculty Development Program on “*Electronic System Design, Modelling and Simulation*” held on 8th -10th May, 2020, organized by Department of Electronics and Communication Engineering, Mahatma Education Society’s Pillai HOC College of Engineering and Technology, Rasayani.
- Faculty Development Program on “*Artificial Intelligence*”, AICTE Training and Learning (ATAL) Academy, held on 4th - 8th May, 2020, organized by International Institute of Information Technology- Naya Raipur.

- Faculty Development Program on “*Popular Lecture Series on Engineering Physics (Wave Optics)*” held on 5th -7th July, 2019 at IPS College of Technology and Management Gwalior, Madhya Pradesh, organized by Rajiv Gandhi Proud yogiki Vishwavidyalaya Bhopal.

➤ WORKSHOP ATTENDED

- 3rd one week International Workshop on “RF and Microwave Components (*online*)” held on 17th -23rd May 2023 organized by School of Electronics Engineering at VIP-AP University, Amaravati, India.
- Workshop on “Innovation, IPR and Startups in Environment, Energy and Health Care: Challenges and Opportunities” held on 20th -21st May 2023 organized by Department of Applied Science, ABV-IIITM Gwalior, sponsored by TIDE 2.0 Scheme of Meity, Implemented at TIIC.
- Workshop on “Intellectual Property Rights (IPR), Patents and Design Filing” held 1st March 2023 under the National Intellectual Property Awareness Mission, organized by Intellectual Property Office and MoE’s Innovation Cell, India.
- Workshop on “Intelligent Broadband antennas and their arrays for civil, defense and space applications” held on 10th January 2023 organized by IEEE IISc MTT/AP-S Student Branch Chapter, in association with IEEE University Partnership Program.
- Workshop on “Intellectual Property Awareness Program” held 7th January 2023 under the National Intellectual Property Awareness Mission, organized by Intellectual Property Office and MoE’s Innovation Cell, India.
- Workshop on “Recent Developments in Electromagnetic Metamaterial from RF through THz” held on 5th January 2023 organized by School of Electronics Engineering, IEEE Antenna Propagation Society Students Branch Chapter in association with IEEE AP/MTT Kolkata Chapter and IEEE Bhubaneswar Subsection.
- Workshop on “Curriculum Development for the Effective Implementation of NEP 2020” held on 3rd -4th September 2022 organized by Madhav Institute of Technology Science and Science, Gwalior, under IQAC.
- Workshop on “5G NOMA Communications”, held on 12th -13th August 2022, organized by Department of Electronics and Communication Engineering, CVR College of Engineering, Hyderabad.
- Workshop on “Designing and Modelling of IOT, AI and ML Systems” held on 1st -5th August 2022, organized by AICTE ATAL Academy, Arm Education and STMicroelectronics.
- Workshop on “Antenna Modelling and Simulation using HFSS”, held on 6th July 2022, organized by Department of Electronics and Communication Engineering, Meerut institute of Engineering and Technology in association with Entuple Technologies Pvt. Ltd., MAC Club, IETE Student Forum.
- Workshop on “How to Plan for Start-up and Legal Ethical Steps”, held on 29th June 2022, organized by IIC, NIT Andhra Pradesh.
- Workshop on “Intellectual Property Rights (IPRs) and IP management for Start Ups”, held on 28th June 2022, organized by IIC, NIT Andhra Pradesh.
- Workshop on “REC INNOVATION PLATFORM”, held on 17th to 18th Nov. 2021, organized by Startup Incubation and Innovation Centre, IIT Kanpur.
- Workshop on “Advanced Design in RF”, held on 16th November to 21th November 2020, organized by IEEE HMRITM Student Branch.
- International Workshop on “Energy Technology and Sensor Systems (TENSYS 2020)”, held on 28th July to 30th July 2020, organized by Indian Institute of Information Technology, Design and Manufacturing (IIITDM) Kancheepuram, Chennai, India and Universiti Malaya (UM), Malasiya.
- Workshop on “RF Energy Harvesting System, REHS-2020” held on 17th-21st July 2020, organized by Department of Electronics and Communication Engineering, National Institute of Technology (NIT) Silchar, India.
- Workshop on “Cyber Security and Ethical Hacking” held on 4th -5th July 2020, organized by Rajiv Gandhi Proud yogiki Vishwavidyalaya, Bhopal under TEQIP-3 in association with Department of CSE and IT, at Chameli Devi Group of Institutions, Indore Madhya Pradesh.
- Workshop on “Entrepreneurship Road to Atmanirbhar” held on 27th -28th June 2020, organized by Rajiv Gandhi Proud yogiki Vishwavidyalaya, Bhopal under TEQIP-3 in association with I-FAME, E-Cell, at Chameli Devi Group of Institutions, Indore Madhya Pradesh.
- Workshop on “Emotional and Social Intelligence”, held on 13th -14th June, 2020, organized by Rajiv Gandhi Proud yogiki Vishwavidyalaya, Bhopal under TEQIP-3, at Chameli Devi Group of Institutions, Indore Madhya Pradesh.
- Workshop on “Robotics and Control” held on 16th - 17th May 2020, organized by Madhav Institute of Technology and Science, Gwalior, Madhya Pradesh.
- Workshop on “Optional Fiber Communication and Its Applications” held on 7th September, 2019 at MITS Gwalior, Madhya Pradesh.
- Workshop on “Design of Microwave Circuits” held on 28th-29th September, 2018 at MITS Gwalior, Madhya Pradesh.
- Workshop on “Scientific and Technical Terminology in Science and Technology” held on 29th-30th Nov. 2017 at Amity University Madhya Pradesh.
- Workshop on “Innovation & Intellectual property rights” held on 28th Jan 2017 at Amity University Madhya Pradesh.
- Workshop on “Recent Advances in Communication Engineering” held on 17th Feb 2017 at MITS Gwalior Madhya Pradesh.
- Workshop on “Recent Advances in Microwave Antennas” held on 31st August-1st September, 2012 at MITS Gwalior, Madhya Pradesh.

➤ SHORT TERM COURSE/ SHORT TERM TRAINING PROGRAM

- Short Term Course on “Artificial Intelligence Driven Biomedical Data Analysis for Disease Diagnosis” held on 5th -7th November 2020, organized by IIT Indore.
- Short Term Course on “Advanced Antenna and RF Technologies for 5G and IOT”, held on 14th -19th September 2020, organized by Dept. of Electronics and Comm. Engineering, Hindustan Institute of Technology and Science.
- Short Term Course on “Recent Trends in Renewable Energy systems and their Control” held on 14th Sep. 2020 to 18 Sep. 2020, organized by Department of Electrical Engineering and Department of Instrumentation and Control Engineering, Dr. B.R. Ambedkar, National Institute of Technology, Jalandhar, Punjab.
- Short Term Training Program on “Advanced Communication System and Technologies” held on 19th to 23rd August 2020, organized by Electronics Department, Samrat Ashok Technological Institute, Vidisha, Madhya Pradesh.
- Short Term Training Program on “Tableau- Data Visualization Tool for Researchers” held on 8th August 2020 to 14th August 2020, organized by IFET College of Engineering, Villupuram.

- Short Term Training Program on “Big Data Analytics” held on 3rd Aug. – 8th Aug. 2020, organized by Saranathan College of Engineering, TamilNadu.
- Short Term Training Program on “Electromagnetics, Microwave, RF and Antenna Design using Ansys HFSS” held on 27th July- 1st August 2020, Sponsored by AICTE, organized by Department of Electronics and Communication Engineering, Shri Vishnu Engineering College for Women (Autonomous), Andhra Pradesh.
- Short Term Course on “RF and Microwave Antennas” held on 5th – 9th Jan. 2019 at MITS Gwalior, Madhya Pradesh.
- Short Term Course on “Numerical Methods in Electromagnetics” held on 27th -31st Jan. 2018 at MITS Gwalior, Madhya Pradesh.

Declaration:

I hereby declare that all the above information is true to the best of my knowledge.

Date:
Place: Vidisha

(Dr. Sweety Jain)