ABHISHEK JAIN

ASSISTANT PROFESSOR

Department of Electronics & Communication,
SATI Engineering College,
Vidisha (M.P.) 464001

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PROFESSIONAL EXPERIENCE

15+ Years of teaching and training experience as an Assistant Professor in Electronics & Communication Engineering Department of Samrat Ashok Technological Institute (Degree), Vidisha (M.P.), INDIA – a Grant-in-aid Autonomous Engineering College, Estd. in 1960.

CERIFICATIONS/RECOGNITION/AWARDS

S. NO.	CERTIFICATIONS/RECOGNITION/AWARDS	DURATION/DATES
INTERNATIONAL		
1.	Qualified **CCNP-2019 (**Cisco Certified Network Professionals) Module-1	September 2019
2.	Qualified **CCNA-2018** (Cisco Certified Network Associates)	November 2018
NATIONAL		
1.	Qualified **GATE 2020, 2017, GATE 2011, GATE 2010.**	**2020, 2017, 2011 and 2010**
2.	**NPIU-Specialized Skills Training** in IoT by IIT Bombay **NPIU-TEQIP Certification** in Digital Transformation In Teaching Learning Process.	June 11 – 20, 2021 14th Feb 2020 - 6th March 2020
3.	**NPTEL Topper Certification** in **Digital Image Processing** **NPTEL Certification** in Computer Networks & Internet Protocol	Jan - Apr 2022 Jan - Apr 2020
4.	**Certified Trainer-** Qualified National Skill Development Skill Council's NASSCOM Exam 2017 approved by IT-ITeS Sector Skills Council for Trainer's License.	July 2017
STATE		
1.	**Winner,** M.P. Tech Innovation Challenge- 2017	July 2017

EDUCATIONAL QUALIFICATIONS

PH.D. (RDC Completed)

- Institution Name: Rajiv Gandhi Technical University, Bhopal.
- Guides: Dr. Preety D Swami, Professor, UIT, RGPV, Bhopal
  Dr. Ashutosh Datar, Professor, SATI Engineering College, Vidisha (M.P.)
- Research Topic: Design Approach for Compression & High Fidelity Reconstruction of Signals
- Year of Admission: 2017
- Status: RDC Completed (About to submit final thesis)

M. TECH (HONS.) (DIGITAL COMMUNICATION)

- Institution Name: Barkatullah University, Bhopal.
- Guide: Dr. Anjali Potnis, Associate Professor, NITTR, Bhopal
- Research Topic: Wavelet based Video Compression using STW, 3D-SPIHT & ASWDR Techniques
- Year of Passing: 2011
- Aggregate %:   **76.8**

B.E (ELECTRONICS & COMMUNICATION ENGG.)

➢ Institution Name:	Rajiv Gandhi Technical University, Bhopal.	
➢ Year of Passing:	2007	
➢ Aggregate %:	**70.38**	
H.S.S.C.E. (12th)		
➢ Institution Name:	St. Mary's H. S. School, Vidisha (M.P.)	
➢ Year of Passing:	2003	
➢ Aggregate %:	**70.88**	
H.S.C.E. (10th)		
➢ Institution Name:	St. Mary's H. S. School, Vidisha (M.P.)	
➢ Year of Passing:	2001.	
➢ Aggregate %:	**83.4**	

PUBLICATIONS IN INTERNATIONAL/NATIONAL JOURNALS & CONFERENCES

1. Abhishek Jain, Preety D. Swami, Ashutosh Datar, "A truncated patch-group-based hierarchical reconstruction model for color image compressive sensing" Soft Computing, Springer, 2023. (https://doi.org/10.1007/s00500-023-08275-w).

2. Abhishek Jain, Preety D. Swami, Ashutosh Datar, "An improved Patch-Group based Sparse Representation method for Image Compressive Sensing" Algorithms for Intelligent Systems, Springer, 2022.

3. Abhishek Jain, Preety D. Swami, Ashutosh Datar, "Dimension Adaptive Hybrid Recovery with Collaborative Group Sparse Representation based Compressive Sensing for Color Images", International Journal of Nanotechnology (IJNT), Inderscience Publishers, 2022. (SCIE) (in press)

4. Abhishek Jain, Preety D. Swami, Ashutosh Datar, "Fast Gaussian Pyramid based Recovery with Collaborative Sparsity for Image Compressive Sensing,"IEEE International Conference on Smart Technologies for Power, Energy and Control (STPEC), IEEE Xplore, 2021, pp. 1-6. (Scopus Indexed)

5. Abhishek Jain, Preety D. Swami, Ashutosh Datar, "Design & analysis of Compressed Sensing for compression and high-fidelity reconstruction of signals." in proc. of XLIV Indian Social Science Congress organized by Indian Social Science Congress Academy, March 2021.

6. Nikita Bhawsar and Abhishek Jain, "Design, Implementation and Comparison of Semi Blind Channel Estimation Technique in MIMO OFDM System", International Journal of Trend in Research & Development, Volume 6, Issue 6, December 2019. (http://www.ijtrd.com/papers/IJTRD20853.pdf)

7. Nikita Bhawsar, Abhishek Jain and Sheena Kumar, "A Novel semiblind channel estimation approach using different modulation for massive MIMO-OFDM system" International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume 6, Issue 2, June 2019. (**http://www.ijrar.org/papers/IJRAR19K8110**)

8. Avijit Tripathi, Abhishek Jain and Aman Sharma, "Analysis and Compression of ECG Signal using DDC Methods along with Feature Extraction", International Journal of Research and Analytical Reviews (IJRAR), Volume.6, Issue 2, Page No pp.186-193, June 2019. (http://doi.one/10.1729/Journal.21876)

9. Himani Bhagoriya and Abhishek Jain, "Color Reconstruction and Deblurring of Underwater Image using CLAHE and DWT, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 8, August 2019. (ISSN-2349-5162).

10. Neha Thakur and Abhishek Jain, "Machine Learning Approach for Wrinkle Feature based Age Estimation from Facial Images", International Journal of Research and Analytical Reviews (IJRAR), E-ISSN 2348-1269, P- ISSN 2349-5138, Volume.5, Issue 4, Page No pp.428-436, October 2018. (https://www.ijrar.org/papers/IJRAR1904049.pdf)

11. Suchita Jain, Abhishek Jain and Sheena Kumar, "Improved Distributed Energy Efficient Hierarchical Clustering Scheme For Wireless Sensor Networks" International Journal Of Innovation In Engineering Research & Management, Volume 05, Issue 03, Paper id-IJIERM-V- III-1210 , June 2018 (ISSN: 2348-4918). (http://ijierm.co.in/index.php/IJIERM/article/view/782/0)

12. Gagan Pataskar and Abhishek Jain "Multiple Face Detection on Distorted Images using NSS-HOG Features and Neuro-SVM Classifier" International Journal of Advanced Research in Electronics and Communication Engineering, Volume 7, Issue 4, April-2018, pp. 302-306.

13. Shailesh Yadav, Abhishek Jain and Aman Sharma, "Video Steganography Using Lazy Wavelet Transform" International Journal of Research, Vol. 04, Issue 07, June 2017 (p-ISSN: 2348-6848 e-ISSN: 2348-795X).

Abhishek Jain, Assistant Professor, EC Engineering, SATI, Vidisha
Ph.D. (Pursuing), M.Tech. (Hons)., GATE, CCNA || SATI Experience: 15 Years

14. Sukh Singh Ahirwar, Abhishek Jain and Sheena Kumar, "Image compression using wavelet and ridgelet transform" International Journal of Scientific and Engineering Research (IJSER), Vol. 7, Issue7, July 2016 Edition, pp. 185-189 (ISSN 2229-5518). (https://www.ijser.org/onlineResearchPaperViewer.aspx?Image-Compression-using-Wavelet-and-Ridgelet-Transform.pdf)

15. Ashwini Atulkar & Abhishek Jain, "A video compression technique utilizing spatio-temporal lower coefficients" International Journal of Electronics and Communication Engg. 3 (7), IAEME Publications, Vol. 7, Issue 1, Jan-Feb 2016, pp. 10-19. (ISSN Print: 0976-6464 and ISSN Online: 0976-6472). (Scopus Indexed)

16. Abhishek Jain & Dr. Ashutosh Datar, "Spatial Video Compression using EZW, 3D-SPIHT, WDR & ASWDR Techniques" International Journal of Advanced Research in Computer Science and Software Engg., July 2013, Vol. 3, Issue 7, pp. 1-9. (ISSN: 2277 128X).

17. Abhishek Jain & Dr. Ashutosh Datar, "A Performance Evaluation of 3D-SPIHT & WDR Techniques for Video Compression" in proc. of RTMIS-2013, April 2013, pp. 187-192.

18. Abhishek Jain & Dr. Anjali Potnis, "Wavelet based Video Compression using STW, 3D-SPIHT & ASWDR Techniques" International Journal of Advances in Engineering & Technology, Vol. 3, Issue 2, May 2012, pp. 224-234. (ISSN: 2231-1963).

PATENT

1. Garg, Sandeep; Gupta, Tarun Kumar; Jain, Lalit; Jain, Akhilesh; Jain., Anshuj; Chourasia, Bharti and Jain, Abhishek, LOW NOISE HIGH SPEED DOMINO LOGIC DESIGN IN DEEP SUBMICRON CMOS, Commissioner of Patents, Patent number: 2021105324, 11 August 2021

TRAINING PROGAMMES/SDPs/FDPs/SEMINARS/WORKSHOPS/CONFERENCE ATTENDED

1. 10 Days CEP course on NPIU Faculty Training for Internet of Things - Specialized Skills Training conducted by IIT Bombay during June 11 – 20, 2021.

2. Attended & organized XLIV Indian Social Science Congress at SATI organized by Indian Social Science Congress Academy, from 15-19 March 2021.

3. 1 Day online webinar on "Artificial Intelligence & it's Exploration for IoT"organized by Department of IoT and Department of AIADS at S.A.T.I. Vidisha, on 7-Jan-2021.

4. 3 Days TEQIP III sponsored E-Training Program/Short -term course on "Emerging ICT Trends Towards Atmanirbhar Bharat" organized by Centre for Advance Electronics, IIT Indore from 28th December 2020 to 30th December 2020.

5. 3 Days TEQIP-III sponsored Short Term Course on "Signal and Image Compression: From Fundamentals to Standards" organized by Electrical Department, IIT Indore from 7th December 2020 to 9th December 2020.

6. 3 Days TEQIP III sponsored Online Faculty Development Program on "Advances in Electronic and Photonic Devices for Optical Fiber Communication and Bio-chemical Sensing" organized by Centre for Advanced Electronics, IIT Indore from 25th November 2020 to 27th November 2020.

7. 1 Day webinar on "Manage Learning Research & Publishing with IEEE" organized by IEEE in association with Central Library, SATI on 10th October 2020.

8. 1 Day webinar on "Fundamentals of Amateur Radio" organized by IILM College of Engineering & Technology, Greater Noida on 7th October 2020.

9. 1 Day Webinar on "Webinar on The Art of Writing Research Papers" organized by IEEE Delhi Section and IIPC AICTE at BVICAM, New Delhi on 25th September 2020.

10. 1-Day webinar on "Human Capital and Design Thinking" jointly organized by IETE, Bhopal & Gwalior, IEEE, M.P. Subsection and Institution of Engineers (India), Gwalior on 20th September 2020.

11. 3-Days Online STTP on "Applications of MATLAB in Mathematics, Science and Engineering" organized by Electrical Department (NBA Accredited) in association with Institution of Engineers (INDIA), Nagpur local chapter, Nagpur from 15th September 2020 to 17th September 2020.

12. 1-Day Webinar on "Career in data Science and Pitfalls to avoid in early career" on 12th September 2020 under TEQIP-III.

13. 1 Day Webinar on "Overview of Digital Image Processing" by Dr. S. Esakkirajan, PSG College of Technology, Coimbatore organized by McGraw Hill Education on 11th September 2020.

14. 1-Day Webinar on "Engineering Education" jointly organized by IEEE, MP Subsection, IETE, Bhopal and Institution of Engineers, Gwalior on 5th September 2020.
15. 1-Day National Webinar on "ENERGY AUDIT" organized by IPS Academy Institute of Engineering & Science, Indore on 28th August 2020.
16. 1-Week STTP on "Recent Trends in Advanced Communication and Technologies" from 19th August 2020 to 23rd August 2020 under TEQIP-III at SATI, Vidisha.
17. 2- Day Online FDP on "Recent Trends in Computer Science Engineering" organized by RGPV under TEQIP-III in association with Department of Computer Science and Engineering, Mahakal Institute of Technology, Ujjain (MP) from 8th August to 9th August, 2020.
18. 1 Day FDP on "Recent Development and limitations of 5G Technology" organized by IES, Bhopal on 29 July 2020.
19. 1 week AICTE sponsored STTP on "Human values, ethics, morals, behavioral sciences and attitude" organized by SAGE Group, Bhopal from 20-25 July 2020.
20. 1 Day Webinar on "Image enhancement using neural network" jointly organized by IETE, Gwalior & Bhopal, IEEE, M.P. Subsection and Institution of Engineers (India), Gwalior on 19th July 2020.
21. 1 Day webinar on "How to write Book, Paper, Project, Thesis, Patent etc" organized by SATI, Vidisha on 14th July 2020.
22. 1 Day webinar on "Challenges in Good Learning and Assessment in Technical Education – Post Covid-19" organized by SATI, Vidisha on 11th July 2020.
23. 1 Day CII Education Summit on "Redefining Education for the Emerging World" organized by MHRD, New Delhi on 25th June 2020.
24. 2 Days Online Workshop on "Outcome based Education (OBE) & Accreditation" organized by SATI, Vidisha from 18th June 2020 to 19th June 2020.
25. 1 Day Webinar on "Research in Digital Age- Problems and Opportunities" organized by IEEE Delhi Section and IIPC AICTE at BVICAM, New Delhi on 12th June 2020.
26. 1 Day webinar on "Life Management" organized by SATI, Vidisha on 31st May 2020.
27. 1 Day TEQIP-3 SPIU Webinar on "COVID-19: Opportunity for Jobs" organized by SATI, Vidisha on 25th May 2020.
28. 1 Day webinar on "Effective use of e-library at home during Covid-19 situation via KNIMBUS-Digital Library Platform on 15th May 2020 organized by SATI, Vidisha.
29. 1 Day Webinar on "CO-VID: Create Opportunities – Victory in Disaster" organized by SATI, Vidisha under TEQIP-III on 11th May 2020.
30. 1 Day Webinar on "Outcome based Education (OBE) & Accreditation" organized by SATI, Vidisha under TEQIP-III on 10th May 2020.
31. 1 Day Webinar on "Online Teaching Learning and E-Proctoring" organized by SATI, Vidisha under TEQIP-III on 7th May 2020.
32. 2 Days Workshop on "Technical Paper Writing and Patent Filing" organized by SPIU, Madhya Pradesh from 12th to 13th March 2020 at SATI, Vidisha
33. 5 Days QIP Short Term Course on "Recent Advancements in Signal and Image Processing" from 2nd March 2020 to 6th March 2020 at IIT, Indore.
34. 1 Week FDP on "Advanced Communication Systems and Technologies using NETSIM" from 4th to 8th November 2019 at SATI, Vidisha
35. 1 Day FDP on "Applications of Modeling & Simulation in Mechatronics, Industrial Engineering and Thermodynamics" at SATI, Vidisha in association with Indiasoft Technologies Pvt. Ltd., Pune under TEQIP-III on 16th September 2019.
36. 1-Week STTP on "Signal & Image Processing using LabVIEW" at SATI, Vidisha under TEQIP-III from 26th August 2019 to 30th August 2019.
37. 2 Days workshop on "Internet of Things" at SATI, Vidisha from 5th August 2019 to 6th August 2019 conducted by Procom Enterprises, Ichalkaranji, Maharashtra at SATI, Vidisha.
38. 1-Week STTP on "LabVIEW Programming" at SATI, Vidisha organized in collaboration with VNIT, Nagpur from 1st July 2019 to 5th July 2019.
39. 1-Week FDP on "MATLAB Programming for Electrical Engineering Research" at SATI, Vidisha organized under Twinning activity of TEQIP-III with VNIT, Nagpur from 8th Feb 2019 to 13th Feb 2019.
40. E-Summit-2019 (Entrepreneurship Summit-2019) and Expert Talk by TEDx Speaker Mr. Kunal Chandiramani (Youngest Entrepreneur of India) on 12th October 2018.
41. 2-Week Training Programme on "Information Technology & Routing" for CCNA Certification from Bits Route, Bhopal from 22/10/2018 to 02/11/2018 and qualified CCNA with 90 %.

42. 3 Days International Conference on "Innovations & Opportunities in Building Materials and Housing Technologies" at SATI, Vidisha from 1st to 3rd Nov 2018.
43. 5 Days Training on "3D Printer" from 31 July 2018 to 4th Aug 2018 for Additive Manufacturing Lab at SATI, Vidisha.
44. MHRD-TEQIP-KITE 5-Day Summer Training Program on "Active Learning Workshop on Pedagogy and Research" at IIT Bombay from 11 June to 15 June 2018.
45. 2 Days FDP on "Total Quality Teaching" at SATI Vidisha by Titans Learning Pvt. Ltd. on 16th and 17th March 2018.
46. One Week Workshop on "Virtual Instrumentation Using LabVIEW" conducted by Starcomm Information Tech. Ltd, Bengaluru from 5th March to 9th March 2018.
47. 2 Days workshop on "Effective use of Social Media for Quality Enhancement in Technical Education" at RGPV, Bhopal from 19th to 20th December 2017
48. 1 Day workshop on "Social Innovation and Entrepreneurship" organised by SIDBI Innovation & Incubation (SIIC), IIT Kanpur on 8 Sep 2017
49. 6 Days Training Programme on "Train The Trainer" by Navjyoti Corporate Solutions, Gurgaon from 4th to 9th July, 2017.
50. 2-week ISTE STTP on "CMOS, Mixed Signal and Radio Frequency VLSI Design" conducted by IIT, Kharagpur from 30th Jan 2017 to 4th Feb 2017
51. 3 Days Short Term Course on "Wireless Communications & Research Opportunities at IITK" from 28th Dec 2016 to 30th Dec 2016 at MSRIT, Bengaluru.
52. 1 Day Seminar on "Mathematical Methods in Science & Engineering" on 22nd Dec 2016 at SATI, Vidisha (M.P.)
53. 1 Day Workshop on "Workplace Creativity and Time Management" on 19th Dec 2016 at SATI, Vidisha (M.P.)
54. "International Conference on Signal Processing" from 7th to 9th November 2016 in association with IET at SATI, Vidisha.
55. 2 Days conclave on "Pedagogy" from 24.10.16 to 25.10.16 at IIT Gandhinagar.
56. 3 Days Short Term Course on "Cooperative 4G/5G MIMO Wireless Communications" from 27th May 2016 to 29th May 2016 at IIT Kanpur.
57. 1 Week Short Term Course on "Coding Theory and Advanced Information Theory" from 21.12.2015 to 24.12.2015 at IIT Delhi.
58. 1 Day Workshop on "Outcome Based Education" on 23rd March 2016.
59. 2 Week Main Workshop on "Signals & Systems" organized by IIT Kharagpur with remote centre at SATI (Degree), Vidisha (M.P.) from 2nd January to 12th January 2014.
60. "National Workshop on Signal Processing" from 4th to 6th December 2014 in association with IET.
61. 1 Day FOSS Workshop on "Programming skills" organized by IITB at SATI (Degree), Vidisha (M.P.) on 16 October 2014.
62. National Conference on "Recent Trends in Manufacturing & Information System" organized by CSE Department, SATI (Degree), Vidisha (M.P.) from 26th to 27th April 2013.
63. 1 Day Workshop on "Author Workshop National Live WebEx by Keith Lambert" held on 11th September 2013 organized by Elsevier.
64. 1 Day Faculty Development Programme on "ERP-SAP" held on 3rd March, 2012 conducted by TCS.
65. 2 Weeks Staff Development Programme on "Current Trends in Signal Processing" organized by EI Department, SATI (Degree), Vidisha (M.P.) from 16th to 28th September, 2011.
66. 2 Weeks Staff Development Programme on "Lasers & their Applications " organized by SATI (Degree), Vidisha (M.P.) from 7th to 18th December, 2009.

TRAINING PROGAMMES/SDPs/FDPs/SEMINARS/WORKSHOPS/CONFERENCE ORGANIZED

1. Successfully conducted an 80 Hours MHRD NASSCOM Certified Future Skill Technology Training on IoT from 2nd August 2021 to 15th September 2021 under TEQIP-III.
2. Convenor, Education Research Committee & Organizing Committee Member of XLIV Indian Social Science Congress at SATI organized by Indian Social Science Congress Academy, from 15-19 March 2021.
3. Organized 1-Day Webinar on "Career in data Science and Pitfalls to avoid in early career" on 12th September 2020 under TEQIP-III.
4. Organized 1-Week STTP on "Recent Trends in Advanced Communication and Technologies" from 19th August 2020 to 23rd August 2020 under TEQIP-III at SATI, Vidisha.
5. Coordinator- Smart India Hackathon-2020 (Software Edition) organized by MHRD, AICTE, MIC, Persistent Systems from 1st August 2020 to 3rd August 2020.

6. Organized 1 Week FDP on "Advanced Communication Systems and Technologies using NETSIM" from 4th to 8th November 2019 at SATI, Vidisha
7. Organized 1-Week STTP on "Signal & Image Processing using LabVIEW" at SATI, Vidisha under TEQIP-III from 26th August 2019 to 30th August 2019.
8. Organized E-Summit-2019 (Entrepreneurship Summit-2019) and Expert Talk by TEDx Speaker Mr. Kunal Chandiramani (Youngest Entrepreneur of India) on 12th October 2018.
9. Organized "International Conference on Signal Processing" from 7th to 9th November 2016 in association with IET at SATI, Vidisha.
10. Organized Robotics Workshop in association with IIT Bombay on 5th September 2016.
11. Organized 3 Days National Workshop on "Signal Processing" from 4th to 6th December 2014 in association with IET.
12. Organized 1 Day FOSS Workshop on "Programming skills" organized by IITB at SATI (Degree), Vidisha (M.P.) on 16 October 2014.

APPRECIATION/RECOGNITION/AWARDS

S. No.	Appreciation/Recognition/Awards	Duration/Dates
1.	Awarded Letter of Appreciation by Director for the splendid work done as a **Convenor** in MP 38th MP Young Scientist Congress 2023 held at SATI, Vidisha	March 2023
2.	Awarded Letter of Appreciation by Dean Academic Sir for the splendid work done as a Core Member of Dean Academic Cell. (Played a key role by preparing **TEQIP activity and progress report which helped in grabbing an additional 1.5 Crore TEQIP-III grant for AY 2019-20 & 1.0 Crore during AY 2020-2021 for the institute. SATI secured 1st All India Position in the performance audit of TEQIP-III in year 2019)**	14 October 2020
3.	**Winner**-Quiz Contest, "Manage Learning , Research and Publishing with IEEE- S.A.T.I"	10 October 2020
4.	Awarded Letter of Appreciation by HoD Madam for successfully conducting one week STTP and Webinar in Lockdown.	August-September 2020
5.	Awarded Certificate of Appreciation by Director Sir and HoD Madam for successfully conducting one week FDP on Advanced Communication System & Technologies using NetSIM.	8 November 2019.
6.	Awarded Certificate of Appreciation by Director Sir and HoD Madam for successfully conducting one week STTP on Signal & Image Processing.	30 August 2019
7.	Awarded certificate of appreciation by **ADM, Collectorate, Vidisha** for the splendid work done in **NIC, MP Loksabha Elections-2019**	25 May 2019
8.	Awarded **Certificate of Appreciation** in recognition of commitment & splendid efforts by the **BoG Members & Director Sir.**	3 July 2015
9.	Received Appreciation Letter by the Director Sir	1 Jan 2016
10.	Awarded Appreciation Letter by the Head of the Department.	9 Dec 2014

ADMINISTRATIVE RESPONSIBILITIES @SATI

S. No.	Responsibility	Duration/Dates
1.	Editor-in-Chief, Institute's Annual Report	2015-16, 2016-17, 2017-18, 2018-19, 2019-20
2.	Editor-in-Chief, TEQIP Activity & Performance Report	2015-16, 2016-17, 2017-18, 2018-1, 2019-20
3.	Media Cell Incharge and Core Member, Media Cell of SATI (Print, Electronic & Social Media)	2016 to till date

4.	Core Member, Dean Academic Cell	January 2019 to till date.
5.	Convenor, MMKSY and PMKVY	2017-18
6.	Member, Core Placement Team, SATI, Vidisha	2014 to 2016
7.	Faculty Coordinator, E-Cell (Entrepreneurship Cell)	2014 to 2019
8.	Co-ordination of M.Tech. Programme	2012 to 2017.
9.	Coordinator, Departmental MIS baseline Work	2015-16.

ACADEMIC ACTIVITIES & RESPONSIBILITIES

S. No.	Responsibility	Duration/Dates
1.	Core Member, Dean Academic Cell	January 2019 to till date
2.	Guided 9 M.Tech Dissertations	2013 to Till date
3.	Guided Various UG Minor and Major projects	2007 to Till date
4.	SLA NPIU (Student Learning Assessment), Coordinator- 2019	2018-19
5.	Core Member of Major and Minor Project Committee	2015 to till date
6.	Faculty Coordinator, E-Cell (Entrepreneurship Cell)	2014 to 2019
7.	Scheme, syllabus and time-table framing of CBCS & Grading scheme of UG and PG	2011 to 2019
8.	Valuation, exam duty & other academic work	2007 to Till Date
9.	Co-ordination of M.Tech. Programme	2012 to 2017
10.	9 Collaborative Research Publications along with Students	2015 to till date
11.	Organized 1 Week FDP on "Advanced Communication Systems and Technologies using NETSIM" at SATI, Vidisha	4th to 8th November 2019
12.	Organized 1-Week STTP on "Signal & Image Processing using LabVIEW" at SATI, Vidisha under TEQIP-III	26th August 2019 to 30th August 2019
13.	Organized E-Summit-2019 (Entrepreneurship Summit-2019)	11th - 12th October 2018
14.	Organized Expert Talk by TEDx Speaker Mr. Kunal Chandiramani (Youngest Entrepreneur of India) on Career Advancement	12th October 2018
15.	Core Member of Organizing Committee "International Conference on Signal Processing" in association with IET at SATI, Vidisha. Hold Web & Technical Chair in International Conference of Signal Processing	7th to 9th November 2016
16.	Organizer, Robotics Workshop in association with IIT Bombay	5th September 2016
17.	Organizer, FOSS Workshop on "Programming skills" at SATI (Degree), Vidisha (M.P.) in association with IIT Bombay	16 October 2014
18.	Core Member of working committee in National Workshop of Signal Processing in association with IET	4th to 6th December 2014
19.	Key member in attaining UGC Autonomy for the Institute in Year 2014.	2014-15
20.	Core member in attaining NBA Accreditation for EI & ME Programme in Year 2018. Departmental NBA Work-2020	2017-18, 2017-20
21.	Member of Departmental Technical Club "Club 'O' E"	2014 to 2016

THESIS/DISSERTATION GUIDED

S. No.	Student Name	Thesis Title	Date
1.	Nikita Bhawsar (0108EC17MT02)	A novel semiblind channel estimation approach using different modulation techniques for Massive MIMO-OFDM System	26/09/2021
2.	Himani Bhagoria (0108EC14MT07)	Color reconstruction and deblurring of Underwater Image using CLAHE and DWT	27/12/2019
3.	Neha Thakur (0108EC14MT08)	Wrinkle Feature and Random Forest based age estimation from facial images	15/09/2019
4.	Avijit Tripathi (0108EC16MT04)	Analysis and compression of ECG Signal using DDC methods along with feature extraction	13/12/2019
5.	Gagan Pataskar (1018EC14MT05)	Multiple Face Detection on distorted images using NSS-HOG features and Neuro SVM Classifier	02/06/2018

6.	Ashwini Atulkar (0108EC13MT04)	A video compression technique utilizing spatio-temporal lower coefficients	30/01/2018
7.	Shailesh Yadav (0108EC12MT16)	Video Steganography Using Lazy Wavelet Transform	17/07/2017
8.	Sukh Singh Ahirwar (0108EC11MT14)	Image compression using wavelet and ridgelet transform	12/09/2016

CO-CURRICULUM & EXTRA CURRICULUM ACTIVITIES

- Played a key role by preparing **TEQIP activity and progress report which helped in grabbing an additional 1.5 Crore TEQIP-III grant for AY 2019-20 & 1.0 Crore during AY 2020-2021 for the institute. SATI secured 1st All India Position in the performance audit of TEQIP-III in year 2019.**
- **Convenor of Education Research Committee in 44th Indian Social Science Congress** to be held from 15th to 19th March 2021.
- **Committee Member of 44th Indian Social Science Congress** to be held from 15th to 19th March 2021.
- **Technical Committee Member** of International Conference on Sustainable Expert Systems (ICSES-2020) organised by Tribhuvan University, Nepal on September 28 - 29, 2020
- **Scientific Committee Member** of 2nd International Conference on Management, Engineering and Social science-2020 (ICMESS-2020) organized by Institute For Engineering Research and Publication (IFERP) on 10th & 11th April, 2020 at Indore, Madhya Pradesh.
- **Lifetime Member of Institution of Electronics & Telecommunication Engineers (IETE)** from 2012 with Membership No. AM-228577.
- **Attended/organized 66 Training Programme/SDP/FDP/Seminar/Workshop/National-International Conferences etc.**
- Designed Institute's Placement Brochure.
- TEQIP-II & TEQIP-III Departmental Procurement Work.
- Member of organizing committee of - State Level Inter-engineering Cricket Tournament, Honoring Function of Nobel Laureate Shri Kailash Satyarthi, Alumni Meets, Marathon Race, Sports Events, Atal Incubation Centre, Pushp Pradarshini, Teachers Day, Engineers Day etc.
- Advisor & Co-Advisor in various committees of Samrat Utsav, Technovision, Smart Hackathon, Satyarth-I etc.
- Member, Stock Verification Committee, Central Library, SATI, Vidisha.
- Performed various Election Duties as Presiding Officer etc.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- **Institution of Electronics & Telecommunication Engineers (IETE):**
  Lifetime Member from 2012 with Membership No. AM-228577.
- **Institution of Engineering and Technology (IET):**
  Member from 2013 with Membership No. 1100298785.

SKILL SET

- **Simulation Tools:** NetSim, MATLAB.
- **Programming Languages**: C and C++
- **Proficient with**: MS-Office, Adobe Photoshop, Video Editing Softwares, Macromedia FLASH etc.
- **Technical Skills**: Data communication & Computer Network, Electronic Devices, Digital Image Processing.

PERSONAL DETAILS

Father's Name: Mr. Abhay Jain
Date of Birth: 21/09/1985
Permanent Address: Above Parichit Computers, Chuna Gali, Vidisha (M.P.) 464001
Sex: Male
Marital Status: Married
Interest: Teaching, Media Designing
Languages Known: English & Hindi
Nationality: Indian

DECLARATION

I hereby declare that the information provided above is true.

Place: Vidisha

Date: 04.05.2022

ABHISHEK JAIN