

# Dr. KIRTI PANWAR BHATI

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## Current Status

- Associate Professor, School of Electronics, Devi Ahilya University, Indore since 26<sup>th</sup> July, 2021.
- Teaching to the students of Int. M.Tech, M.Tech (Embedded Systems), M. Sc. Electronics & Communication and BSc at School of Electronics DAVV, Indore (M.P.)

## Experience

- Associate Professor, School of Electronics, Devi Ahilya University, Indore from July, 2021 to till date.
- Assistant Professor, School of Electronics, Devi Ahilya University, Indore from July, 2007 to July, 2021.
- Lecturer, Electronics & Communication Engineering Department, Shri Vaishnav Institute of Technology & Science, Indore from April, 2007 to July, 2007.
- Guest Faculty, Electronics & Communication Engineering Department, Ujjain Engineering College, Ujjain from August, 2006 to April, 2007

## Educational Qualification

Sr. No	Qualification	Board/University	Year of Passing	Subject	Percentage/CGPA
1	Ph.D	Devi Ahilya University, Indore	2024	Title: Data Analytics and Visualization in Mobile Web and Cloud Services	
2	M.Tech.(Mobile Computing Technology)	Devi Ahilya University, Indore	2011	Mobile Computing Technology	CGPA: 9.8/10 (90.42%)
3	B.E. (Electronics & Communication Engineering)	Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal	2006	Electronics & Communication	82.2%
4	Higher Secondary	M.P. Board of Secondary Education, Bhopal	2002	Physics, Chemistry, Mathematics	87.0 %
5	High School	M.P. Board of Secondary Education, Bhopal	2000	--	81.0 %

## Awards/Recognition

1. Felicitated with Letter of Appreciation by Vigyan Bharti and MPCST under Vigyan Sarvatra Pujyate 2022.
2. Felicitated by Professor D. P. Singh Chairman, UGC New Delhi with Certificate of Excellence on 9 Nov, 2021 by Devi Ahilya University, Indore & FREE PRESS.
3. Received award for Research and Academics for academic year 2017 from Devi Ahilya University on 26<sup>th</sup> Jan, 2018.
4. Appreciation letter (Ref No. 228A, Dated: 18/05/2012) is given by the Hon'ble Vice Chancellor for teaching/academic/research work.
5. Received Best Paper Award in International Conference on Innovative Applications of Emerging Technologies and Management organized by Prestige Inst. of Engg, Management & Research, Indore, 2021
6. Received Best Paper Award in National Conference on Industry 5.0 and Human Factor: Dawn of New Era Sponsored by M.P. Council of Science & Technology organized by Shri Vaishnav Institute of Management, Indore Madhya Pradesh Jointly with Institute of Management Studies (IMS) DAVV, Indore on 5 July, 2025.

## Achievements

1. Received Gold Medal for 1st rank in M.Tech (Mobile Computing Technology) Examination, 2011 with CGPA : 9.8/10 (90.42%) by Devi Ahilya University, Indore
2. 3<sup>rd</sup> rank with 87% at district level in Higher Secondary Examination held in March, 2002.

## Research Projects

1. PAIR Proposal titled "Development of Tiny ML-based AQI Prediction System on Edge for Real-Time Data of Smart City for achieving UN Sustainable Development Goals (SDGs)" of ~60 Lacs submitted to ANRF (Anusandhan National Research Foundation) as Lead Co-PI along with Co-Pi (Spoke Institute) Dr. R. N. Singh and Prof. Vimal Bhatia, (Hub Institution) Department of Electrical Engineering, IIT, Indore is granted in Sep, 2025.
2. Sanctioned Seed Money Project "**M-Learning : Adaptive Data Visualization**" by Devi Ahilya University, Indore with funding of Rs. 95,000. vide letter no. Dev-III/Seed Money/Proposal/2015/504 dated 07 April 2015.

## Patents

### Granted

1. Prachi Goutam, Ankita Modi, **Kirti Panwar Bhati**, "A SMART DUSTBIN", The Patent Office, Government of India 473216, **March 18, 2020**. (Supported by NRDC)

### Published

2. Manish Varun Yadav, Lanston Pramith Fernandes, Harshitha Raj M A, Swati Varun Yadav, Dinesh Yadav, **Kirti Panwar Bhati**, "ANTENNA STRUCTURE FOR SUB SIXTH GENERATION BAND ENHANCED FOR MILLIMETER-WAVE COMMUNICATION" Application no. 202441064691, Indi, published on 30/08/2024

## Copyright

1. Archit Patel, Saurabh Shukla and **Kirti Panwar Bhati** "Development of Dynamic, Easy to Update Website for University Teaching Department", Copyright Office, Government of India, 2024
2. Aditya Soni and **Kirti Panwar Bhati**, "Performance Analysis of Web Services using M-Learning Android Application", Copyright Office, Government of India, 2021
3. Rahul Mahore and **Kirti Panwar Bhati**, "Mobile Based System for Automation of Departmental Library and Departmental Activities", Copyright Office, Government of India, 2020

## Research Publication

### Journal Publications

1. M. V. Yadav , L. P. Fernandes, S. V. Yadav, T. Ali, D. Yadav, V. Singh, **K. P. Bhati**, "Broadband Lumped Mirror Array mmWave Antenna for Wireless and Defense Systems," Journal of Electrical and Computer Engineering, vol. 2025, no. 1, Jan. 2025, doi: <https://doi.org/10.1155/jece/3441031>.
2. M. John, N. T. Ali, N. S. Vincent, N. S. Pathan, **Kirti Panwar Bhati**, and V. Yadav, "A Modal Analysis-Based Cloud-Shaped Flexible Two-Element CPW-Fed Antenna for 5G Wireless Applications," Evergreen, vol. 12, no. 2, pp. 895-902, Jun. 2025, doi: <https://doi.org/10.5109/7363483>.
3. P. Shariff, S. Pathan, P. R. Mane, **K. P. Bhati**, and T. Ali, "Multi-band Series-Fed Millimeter Wave Array Antenna with LP and CP Characteristics for 5G Applications," Collections | Kyushu University Library, vol. 12, no. 2, pp. 740-754, Jun. 2025, Accessed: Sep. 30, 2025. [Online]. Available: [https://catalog.lib.kyushu-u.ac.jp/opac\\_detail\\_md/?lang=1&amode=MD100000&bibid=7363472](https://catalog.lib.kyushu-u.ac.jp/opac_detail_md/?lang=1&amode=MD100000&bibid=7363472)
4. S. V. Yadav, M. V. Yadav, R. Gupta, D. Yadav, **K. P. Bhati** et al., 'DESIGN AND ANALYSIS OF A SLOTTED PLANAR ANTENNA WITH PARASITIC RING PATCH FOR EFFICIENT 5G MICROWAVE APPLICATIONS', Telecommunications and Radio Engineering, vol. 84, no. 1, pp. 71-82, 2025.
5. S. V. Yadav, M. V. Yadav, V. Singh, **K. P. Bhati**, D. Yadav, T. Ali, Supreetha B S, "Miniaturized UWB antenna design for 5G and space-based microwave applications', Results in Engineering, vol. 27, p. 105592, 2025.
6. **Bhati, K. P.**, & Tokekar, S. (2023). Design of Real-Time Data Visualization Dashboard on IoT Device for Smart City Data of Indore [Review of Design of Real-Time Data Visualization Dashboard on IoT Device for Smart City Data of Indore]. Industrial Engineering Journal, XVI(12), 13-18. ISSN: 0970-2555 Dec, 2023 [UGC Care Journal]
7. **Bhati, K. P.**, Tokekar, S., Suman, P., & Gupta, T. (2023). Design of IoT Custodian: A Low-Cost Intelligent Jewellery [Review of Design of IoT Custodian: A Low-Cost Intelligent Jewellery]. Annals of the Bhandarkar Oriental Research Institute, C(11), 46-52. ISSN: 0378-1143, Nov, 2023 [UGC Care Journal]
8. Soni, H., **Bhati, K.**, Katre , N., & Meshram, P. (2021). IoT Doordarshi: Smart Weather Monitoring System using Sense Hat for improving the Quality of Crops. In Smart Agriculture Automation using Advanced Technologies. SPRINGER TRANSACTIONS ON COMPUTER SYSTEMS AND NETWORKS.

9. Panwar, K., & Rajkamal. (2016). Mobile Learning and Evaluation: A new paradigm of Teaching Learning. *The IUP Journal of Information Technology*, 13-21. ISSN: 0973-2896 June, 2016
10. Kumar, R., & Panwar, K. (2016). Self Learning and Evaluation: An m-Learning System for Android Platform. *International Journal of Computer Applications - IJCA*, 29-36. ISSN 0975-8887 April 2017
11. Bhattacharya, S., & Panwar, K. (2016). Android based Student Progress Analysis System using Adaptive Data Visualization. *International Journal of Computer Applications*, 1-7. ISSN 0975-8887 April, 2017
12. Mishra, G., & Panwar, K. (2015). Online Census & User Management System: An Android Application using Cloud Storage. *International Conference on Emerging Research in Computer and Software Engineering (ICERCSE-2015)* (pp. 56-61). Jabalpur: Special Issue of Journal: Anveshan. ISSN: 2393-9931 Nov, 2015

### **Book Chapter**

13. Jain, S., & Bhati, K. (2021). Analysis of Security Breaches and Security Mechanism in Analyzing and Visualizing Automobile Data. *International Conference on Innovative Applications of Emerging Technologies and Management* (p. 87). Indu Publication, New Delhi. ISBN: 978-81-947824-0-7

### **Conference Publications**

14. Bhati, K. P., & Tokekar, S. (2023). Design of Bot Controlled Smart IoT Client for Data Visualization using Sense HAT [Review of Design of Bot Controlled Smart IoT Client for Data Visualization using Sense HAT]. In *The International Conference on Innovation and Challenges in Engineering Sciences (ICICES)*.
15. Bhati, K. (2019). Implementation of Low Cost Patrolling System for Crime Detection. *Madhya Pradesh Young Scientists Conference*. M P Council for Science & Technology, Bhopal.
16. Bhati, K., & Tokekar, S. (2018). Data Analytics Bot using Raspberry Pi for Crime Control. *Young Scientists' Conference, India International Science Festival*. Lucknow: MietY, Ministry of Earth Sciences in association with VijnanaBharati.
17. Panwar, K. (2013). Comparative Analysis of Different Modeling Styles in VHDL. *National Conference on Control, Communication & Device Electronics*, (pp. 279-284). JIS College of Engineering, Kalyani, WB, INDIA.
18. Panwar, K., Rajchandani, U., & Kumar, A. (2009). VGA Signal Generation using FPGA (Spartan 3E). *National Conference of Shanti Swarup Bhatnagar Award Winners*. Indore: Devi Ahilya University.
19. Panwar, K. (2009). Dominant use of Variable over Signal for Behavior Modeling in VHDL. *National Conference of Shanti Swarup Bhatnagar Award Winners*. Indore: Devi Ahilya University, Indore.

### **Monographs (Book)**

20. Ukey, H., & Panwar, K. (2016). *Easy Move: An Android Application for Ticket Booking*. LAP LAMBERT Academic Publishing.
21. Singh, P. K, Panwar, K. & Kumar, M. (2016). *Recent Development in Robotics*. LAP LAMBERT Academic Publishing.

## Qualification of National Level Examinations

1. Qualified Graduate Aptitude Test in Engineering (GATE)-2013 in Electronics & Communication Engineering with 95 Percentile.
2. Qualified Graduate Aptitude Test in Engineering (GATE)-2011 in Electronics & Communication Engineering with 87 Percentile.
3. Qualified UGC NET (JRF + Lectureship) in Electronic Science in Dec, 2012.
4. Qualified UGC NET (Lectureship only) in Electronic Science in June, 2012.

## Expert Lecture Delivery/Expert

1. Served as Panelist/Judges for DAVV Incubation Startup Expo 2025 during the Yung Entrepreneur Conclave held on 24 March, 2025 organized by DAVV, Indore
2. Delivered expert lecture on **Electronic Devices & Its Applications** at P.M.B Gujrati College, Indore on 17 March, 2025
3. Served as Panelist/Judges for the finale of the event **Corporate Pathshala -Executive of the year** on 01 March, 2025 organized by SVIM, Indore
4. Served as a evaluator for **Yukti Innovation** of AICTE 2023
5. Delivered expert lecture on **Arduino Hardware and Its Application** at P.M.B Gujrati College , Indore on 07 Dec, 2023
6. Delivered expert lecture on **Arduino programming and Its Applications** at P.M.B Gujrati College , Indore on 11 May, 2023.
7. Served as a Panelist for Innovative Idea Conclave-“**Rachana**” organized by Institute Innovation Council (AICTE), Devi Ahilya University, Indore during 25-26 Feb, 2022
8. Delivered expert lecture on **Quantitative Aptitude** in Placement Preparatory Workshop for Specially abled Alumni of DAVV organized by DDUKK, DAVV, Indore during 16-18 June, 2022.
9. Delivered expert lecture on **My Story- Motivational Session by Successful** organized by Institute Innovation Council (AICTE), Devi Ahilya University, Indore on 29 Nov, 2021
10. Delivered expert lecture on **Introduction to MQTT protocol and Live Demo** in AICTE ATAL FDP Organized by IET, DAVV, Indore
11. Delivered expert lecture on **Future Trends in Electronics** at P.M.B Gujrati College , Indore on 15 March, 2019
12. Delivered expert lecture on **Designing of Sequential Circuits and its application to Digital Design** at Acropolis Technical Campus, Indore, Indore on 18 May, 2017
13. Delivered expert lecture on **Sequential Circuit and Its Implementation** at Holkar Science College , Indore on 27 March, 2017
14. Delivered expert lecture on **Digital Modulation** at Holkar Science College , Indore on 15 Jan, 2016
15. Delivered expert lecture on **Role of VHDL in Integrated Circuit Manufacturing** at Acropolis Technical Campus, Indore, Indore on 20 March, 2015
16. Delivered expert lecture on **Sequential Circuit** at Holkar Science College , Indore on 17 March, 2015
17. Delivered expert lecture on **Self Learning & Evaluation : A new paradigm of teaching learning** at Winter School on Innovation in teaching methods for higher education on 02 Jan, 2014

## Research/Project Guidance

### PhD Supervision

1. Mr. Rajendra Singh Chouhan qualified DET Examination and qualified for Course Work at IET, DAVV, Indore under the supervision of **Dr. Kirti Panwar Bhati** and co-supervision of Dr. Ankit Saxena.

### M.Tech and M.Sc Project Guidance

1. Dr. Kirti P. Bhati served as Internal Supervisor/Faculty Mentor for twelve M.Tech Projects done by Students in various Industries and Research Organization.
2. Rohit Kumar, "Self Learning and Evaluation: An m-Learning System for Android Platform", Batch : 2013-15
3. Gyan Kumar Mishra, Android Mobile Application for Online Census & User Data Management System, Batch : 2013-15
4. Hemant Ukey, "Easy Move - An Android application for book tickets for various transport services", Batch : 2013-15
5. Sushil Kumar Shukla, "Pollution Analysis using Vehicular sensor networks", Batch :2012-14
6. Uma Rajchandani, Ashwani Kumar, "VGA Signal Generation" M.Sc 4th Semester, session Jan-June, 2009
7. Ratna Potdar, Jagdish and Deepali Badodiya Pradeep Kumar Gautam, "Mobile Controlled Robot based on Arduino Microcontroller", M.Sc 4th Semester, session Jan-June, 2012
8. Mukund Kumar, Pravin K. Singh, "Light Follower Robot based on Arduino Microcontroller", M.Sc 4th Semester, session Jan-June, 2012
9. Mr. Ankur Chourasia, Mr. Tarun Parashar and Mr. Kumar Ankit , "Speech recognition Robot", M.Sc 4th Semester, session Jan-June, 2011
10. Pradeep Kumar Gautam, "32 bit RISC Processor using VHDL", M.Sc 4th Semester, session Jan-June, 2009

## Academic & Administrative Responsibilities

1. One of the IQAC Co-cordinator among three for Devi Ahilya University, Indore. Assigned the responsibility in April, 2025
2. Served as reviewer for for Journal of King Saud University - Computer and Information Sciences in 2024-25.
3. Organized and attended Workshop on "PCB Design" during 09-13 Jan, 2024. Speaker for the workshop was Mr. Vijay Soni.
4. Organized Workshop to enhance Digital Creativity Skills for DAVV faculty and staff members by Adobe, in partnership with AICTE Training and Learning Academy on 16 Feb, 2023.
5. Member, Result processing committee for DET-2022
6. NAAC Criteria 4 Committee Member for SSR Preparation in 2019
7. AQAR Committee Member for Criteria 6 for two years
8. Reviewer for IEEE Transactions on Emerging Topics in Computational Intelligence.
9. Registration Committee member for National Summit of Institute Leaders during January 16-17, 2023.

10. Assisted in Preparing Centre of Excellence Proposal for University to MP Govt. worth Rs. 71 Crores in 2019-20.
11. Assisted in Preparing Proposal to UGC for Establishing the five Chairs in University named after eminent Women in 2019-20
12. Member Board of Studies of Electronics, DAVV, Indore
13. Conference Committee Member and Reviewer for IEEE International Conference on Communication, Information and Computing Technology (ICCICT-2021) at Sardar Patel Institute of Technology from 25-27 June, 2021
14. Member, Convocation Registration Committee since 2021 organized by Devi Ahilya Univ, Indore, on an annual basis.
15. Served as Deputy Coordinator for MP Police Projects in Collaboration with Devi Ahilya University, Indore in 2019 -20
16. Assisted in Preparing Centre of Excellence Proposal for University to MP Govt. worth Rs. 71 Crore in 2019-20.
17. Member of Board of Studies of Electronics Devi Ahilya University, Indore in 2019-20
18. Member, NAAC Preparation Committee of University for NAAC, 2019 Committee visit to University
19. Served as Rapporteur for 4th World Summit on Accreditation (WOSA 2018) organized by National Board of Accreditation (NBA), New Delhi from 07th - 09th September, 2018
20. Member of Board of Studies, Electronics Department, Govt. Holkar Science College, Indore in 2018

#### **Participation in Faculty Development Program/ Short Term Courses/ Workshop/ Training**

1. Two days workshop on Development and Acceleration of Edge AI Solution on FPGA Platform organized by IET, DAVV, Indore during 26-27 June, 2025.
2. FDP on IoT Sensors, Embedded Systems and Data Analytics jointly organized by EICT Academy at IIT Roorkee, MNIT Jaipur, NIT Patna, IIT Guwahati, IIITDM, Jabalpur during 17-28 Feb, 2025.
3. Faculty Development Programme on Wireless Communication Technologies: 5G and Beyond Jointly organized by MANIT, Bhopal & E ICT Academy, IIITDM, Jabalpur under an Initiative of the Ministry of Electronics and Information Technology, Government of India during January 06-10, 2025.
4. Two days workshop on System Design using FPGA Boards organized by IET, DAVV, Indore during 9-10 Aug, 2024.
5. Innovation Ambassador Advanced Level by MoE, Innovation Cell and AICTE
6. National Summit of Institutional Leaders (NSII) on 16-17 Jan, 2023.
7. "MOOC and Digital Education" organized by CEC, New Delhi and EMRC, DAVV, Indore
8. Online Faculty Development Program for "Global Business Foundation Skills", a Corporate Social Responsibility initiative, conducted by Infosys BPM Ltd. from 15th July to 28th July, 2021 (Evening Classes)
9. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Internet of Things an Emerging Technology in Electronics Industry" from 19 - 23 July, 2021 at Institute of Engineering and Technology, Devi Ahilya University, Indore.
10. AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Machine Learning Frontiers in Healthcare" from 26 - 30 July, 2021 at National Institute Of Technology, Delhi
11. Innovation Ambassador training (Foundation Level, Total 16 Sessions of 30 contact hours) conducted by MoE's Innovation Cell & AICTE during the period from 30th June - 30th July 2021 in online mode

12. Certified Microsoft Innovative Educator Certified Microsoft Innovative Educator Completed: 17-19 Feb, 2022
13. Participated in ATAL FDP on "Electric Vehicles from 2021-2-1 to 2021-2-5 at Manipal University Jaipur
14. Participated in ATAL FDP on "Artificial Intelligence" from 2021-1-4 to 2021-1-8 at Dr. Ambedkar Institute of Technology
15. Participated in ATALFDP on "Data Sciences" from 2020-10-20 to 2020-10-24 at Ramakrishna Mission Vivekananda Educational and Research Institute.
16. Participated in Training Programme on "Cyber Security" jointly organized by Electronics and ICT Academies, NIT Patna, and MNIT Jaipur held from 05th - 11st October, 2020
17. Participated in Training Programme on Digital tools for Writing, Authoring & Reviewing Manuscripts jointly organized by Electronics & ICT Academies, MNIT Jaipur, NIT Patna & IIT Guwahati during 21st September and 2nd October 2020
18. Participated in Webinar on "Introduction to Block Chain" KC College on Engg. & Management, Thane on 19 Sep, 2020
19. Participated in ATALFDP on "Data Sciences" from 2020-9-7 to 2020-9-11 at University of Hyderabad.
20. Participated in Workshop on "3D Printing" organized by DDUKK, DAVV, Indore from 3-5 Sep, 2020
21. Participated in National Webinar on "Introduction to Automotive Embedded Systems" organized by SKITM, Indore on 08 Aug, 2020
22. One Week Online Short Term Training Programme Sponsored by AICTE on "Big Data and Hadoop" during 20th -25th July, 2020 organized by IPS Academy, Indore
23. Participated in Webinar on "Essentials of Setting AI/DL Lab" organized by Bennett Univ, Noida on 17 July, 2020
24. One Week Online Faculty Development Program on "Machine Learning Algorithms, Applications & Advantages" from 25th to 30th May 2020, organized by Department of Computer Science & Engineering, Kamala Institute of Technology & Science, Singapur in association with Computer Society of India, Hyderabad Chapter and sponsored by TRY LOGIC Soft Solutions AP Private Limited
25. IEEE Virtual Talk Series - 2020 on Artificial Intelligence and Machine Learning from 30 April - 04 May, 2020 by CSIR CSIO, Chandigarh
26. Online Workshop on Intellectual Property Rights organized by Pandit Deendayal Petroleum University (PDPU) and Intellectual Property Protection Organization (IPPO) on 10th & 11th April 2020.
27. Participated in DST funded 10 days STTP on Artificial Intelligence(AI), Machine Learning(ML), and Deep Learning(DL) to be held during 17th- 26th December, 2019 at Maulana Azad National Institute of Technology, Bhopal
28. Workshop on "Exam Reforms" at SGSITS, Indore organized by AICTE on 09 May, 2019.
29. Workshop on "Scilab" on 04 May, 2019 at IPS Academy, Indore through Remote Centres of IIT Bombay.
30. "National Workshop on Intellectual Property Rights" organized by School of Data Science and Forecasting, DAVV, Indore on 01 Dec, 2018.
31. Training Programme on MATLAB Software during 10 - 11 Aug, 2018 organized by School of Computer Science and IT, DAVV, Indore.
32. Faculty Development Programme (FDP) on AI and Machine Learning during 04 - 08 June, 2018 conducted by School of Computer Science and IT, DAVV, Indore and PDPM, IIITDM, Electronics and ICT Academy of MietY

33. Workshop on Algorithm Design and Program Optimization techniques from 14-15 April, 2018 organized by School of Computer Science and IT, DAVV, Indore
34. Faculty Development Programme (FDP) on Machine Learning Basics and Emerging Trends during 01 - 06 Sep, 2017 conducted by School of Computer Science and IT, DAVV, Indore and PDPM, IIITDM, Electronics and ICT Academy of MiiTY
35. Workshop under Digital India Campaign on 22 Dec, 2017 organized by Devi Ahilya University, Indore and MAP -IT, Bhopal
36. Faculty Development Programme (FDP) on Introduction to Web Development during June 13 - 22, 2017 organized by IIT, Roorkee (Electronics and ICT Academy of MiiTY)
37. GIAN Course on Big Data Stream Analytics from 26 October - 01 November, 2016 organized by Discipline of Mathematics, IIT, Indore
38. Attended workshop on "Foundation of Fuzzy Sets & Fuzzy Logic with Applications" organized by Institute of Engineering & Technology School of Computer Science & IT, DAVV, Indore, 7-12 March 2015.
39. Workshop on "ARM Microcontroller Programming and Interfacing" from 01 - 12 July, 2014 organized by School of Electronics DAVV, Indore
40. One day workshop on "Intel's Galileo board and Grove Sensor kits", School of Electronics, DAVV, 06 April 2015.
41. Attended five days Short Term Course On "Mechatronics and Robotics" 15 - 19 July, 2013 organized by Indian Institute of Technology, Indore
42. Attended ISTE Approved Two Week Short Term Training Programme on "Design and Development of Automation using LabVIEW" 01 - 12 July, 2013 organized by Instrumentation and Control Section, Electrical Engineering Department, Institute of Technology, Nirma University, Ahmedabad
43. Two days Workshop on "MIMO/ OFDM Based Advanced 4G Cellular Networks" 11-13 Jan, 2013 organized by Indian Institute of Technology, Kanpur.
44. Three days "SOLAR RADIO Workshop" on 23rd-25th Nov, 2011 organized by National Centre for Radio Astrophysics, Tata Institute of Fundamental Research and the Department of Electronic Science, University of Pune, Pune
45. Five days Quality Improvement Programme, Short Term Course on "Geographic Information Systems and Applications" Organized By Centre of Studies in Resources Engineering(CSRE), Indian Institute of Technology, Bombay from 05th - 09th July, 2010
46. Two days Workshop on "VLSI Design Tools" organized by National Institute of Technology, Surat on 28th Feb, 2009 - 01st March, 2009
47. 21 Days Training at GAIL (INDIA) LIMITED , KHERA (M.P.) in June 2005 .As a Lecturer in Electronics & Communication Engg Department, Shri Vaishnav Institute of Technology & Science, Indore from 3rd April,2007 to 23rd July, 2007.
48. 7 Days Training at BSNL , Ujjain (M.P.) in January , 2004 [In Fibre Optical Maintenance Department ]

### Academic Project Details

- **M.Tech Major Project**

**Title:** "Self Evaluation System using Windows Mobile: An Application for Digital Design Course" **Duration:** 1 Year

### Orientation Programme Attended

1. Orientation Programme organized by Academic Staff College, Devi Ahilya University from 21<sup>st</sup> June, 2011 to 18<sup>th</sup> July, 2011.

### Refresher Programme Attended

1. Refresher Programme organized by Academic Staff College and Department of Electronic Science, University of Pune from 8<sup>th</sup> Nov, 2011 to 28<sup>th</sup> Nov, 2011.

### Organization of Workshop

1. Convener, UGC Sponsored “**National Workshop on Mobile System Programming (NWMSP-2012)**” 10<sup>th</sup> – 11<sup>th</sup> Feb, 2012 Organized By School of Electronics, Devi Ahilya University, Khandwa Road, Indore.
2. Convener, Workshop on “**Mobile Computing**” March 5, 2012 Jointly Organized by School of Computer Science & IT and School of Electronics Devi Ahilya University, Indore & Institution of Communication Engineers and Information Technologists, Devi Ahilya University, Indore Chapter

### Technical Skill

- **Programming Languages** : C, C++, VHDL, JAVA, VB.NET, Python
- **Engineering/Scientific Applications**: Eclipse, Xilinx ISE, Tanner Tool, Mentor Graphics tool, Visual Studio 2005, Python IDLE, Anaconda, MATLAB, Arduino, IoT MQTT Panel, Node Red
- **Hardware skills**: Digital Electronics, Raspberry Pi
- **Operating Systems**: Windows, Linux, Windows CE(for Mobile), Android, Raspbian

### Areas of Interest

Data Analytics & Visualization, IoT Applications, Mobile Computing, Mobile System Programming, Wireless Communication, Tiny ML

### Subjects Taught

IoT Fundamentals and Applications, JAVA Programming, Advanced Logic Design, Mobile System Programming, Digital Design, Analog & Digital Communication, VHDL, Optical Communication, Cellular Mobile Communication, CMOS VLSI Design, Mobile Computing, Python Programming

## Personal Profile

- Name Dr. Kirti Panwar Bhati
- Father's name Mr. Vinod Panwar
- Mother's name Mrs. Uma Panwar
- Husband's Name Mr. Ashutosh Bhati
- Date of Birth 24<sup>th</sup> September, 1984
- Nationality Indian
- Contact Address School of Electronics, Takshshila Campus, Devi Ahilya University, Bhawarkuan, Indore [MP] - 452017
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