

## CURRICULUM-VITAE



**Prof. Dr. Archana Agrawal**  
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**[Google scholar](#)**

### Objective

To work in an organization, which provides ample opportunity for me to grow as a professional. To utilize my knowledge and experience, develop my skill and thus benefit the organization to achieve its goals at each step. To explore opportunities and contribute in overall growth of the organization. I am highly motivated & hardworking for a position to achieve higher goals and execute responsibilities with maximum effort.

### Area of Specilization

Microwave Engineering and Planar Antenna Design

### Working Experience

-Having total **20 years** teaching, currently doing job as an **Professor**, in **Sangam University, Bhilwara**.

-Life time Member of **ISTE (Indian Society for Technical Education)** (membership No. **LM 72803**)

### Professional Qualification

1. **Ph.D.** awarded in **2014( Electronics and Communication)** from **JJTU –Junjhunu-Rajasthan**
2. **M.Tech.** (Computer Science from JNRV University, Udaipur, 2006, **Secured 79%**)
3. **B.E.** (Electronics and Communication) from Rajasthan University (2004, **Secured 78% marks**)

### Additional courses undertakes

1. NPTEL online certification on “**MICROWAVE THEORY AND TECHNIQUE**” (july-oct2019-12week course)
2. Online Certification course on “**MICROCONTROLLER INTERFACING WITH DIFFERENT ELEMENTS**” (June 2020), Udemy Academy
3. NPTEL online certification on “**INTRODUCTION TO INTERNET OF THINGS**” (Jan-April 2023 -12week course)

### Academic Detail

1. **Class XII** from Vidya Niketan Sr. Sec School , Bhilwara, Raj Board, **Secured 74%**

## 2. Class X from Sophia School , Bhilwara, CBSE Board, Secured 74%

### **Patent:**

#### **1. Application Number: 202211040310**

TITLE OF INVENTION: A SYSTEM OF DUAL-BAND, DUAL-POLARIZED FOUR-PORT MIMO ANTENNA FOR FIFTH-GENERATION COMPACT SMARTPHONES

PUBLICATION DATE (U/S 11A): 22/07/2022

Application status URL: <https://ipindiaservices.gov.in/PatentSearch/PatentSearch/ViewApplicationStatus>

#### **2. Application Number : 375562-001**

TITLE OF INVENTION: Wrist Band for School children security

Cbr Number: 209737

Cbr Date: 13/12/2022 21:42:00

Application status: Design Accepted and Published, Journal No is 04/2023 and Journal Date is 27/01/2023

Application status URL: <https://search.ipindia.gov.in/DesignApplicationStatus>

### **Publication**

#### **International Journal**

1. Archana Agrawal “**MICROWAVES RADIATIONS-INTERACTION WITH BIOLOGICAL TISSUES,**” International Journal of contemporary Practices, pp. 14-21, vol 1. Issue 2 June. 2011.
2. Archana Agrawal and Isha Puri, “**BANDWIDTH ENHANCEMENT OF RECTANGULAR MICROSTRIP PATCH ANTENNA BY TAPERING,**” International Journal of contemporary Practices, pp. 10-15, vol 1. Issue 1 May 2011.
3. Isha Puri ,Archana Agrawal, “**BANDWIDTH AND GAIN INCREMENT OF MICROSTRIP PATCH ANTENNA WITH SHIFTED ELLIPTICAL SLOT**” International Journal of Engineering Science and Technology(IJEST), pp 5539-5545, Vol. 3 No. 7 July 2011.
4. Archana Agrawal and P.K. Singhal, “**BANDWIDTH ENHANCEMENT OF A U-SLOT PATCH ANTENNA USING EMBEDDED HIS STRUCTURE**” Advanced Computational Techniques in Electromagnetics(ACTE), Vol. 2012, Year 2012, Article ID acte-00118.
5. Archana Agrawal, Ankit Jain “**EFFECT OF DIRECTLY COUPLED PARASITIC PATCH ON FLORAL SHAPED PATCH ANTENNA**” International Journal of Engineering Research and Applications, pp.954-957, Vol. 2, Issue 4, July-August 2012.
6. Archana Agrawal, Ankit Jain, P.K.Singhal “**DESIGN AND OPTIMIZATION OF MICROSTRIP PATCH ANTENNA FOR INCREASED BANDWIDTH**” International Journal of Microwave and Wireless Technologies, Jan-2013
7. Archana Agrawal, Anurag Sharma, “**ENHANCED BANDWIDTH SLOTTED MICROSTRIP PATCH ANTENNA**” International Journal Of Electronics and Communication Engineering & Technology, Volume 4, Issue 2, March – April, 2013, pp. 41-47
8. Archana Agrawal, Shagun Maheshwari, Priyanka Jain, “**TAPERED CIRCULAR MICROSTRIP ANTENNA WITH MODIFIED GROUND PLANE FOR UWB COMMUNICATIONS**” International Journal Of Electronics and Communication Engineering & Technology, Volume 4, Issue 3, May – June, 2013, pp. 43-47
9. Archana Agrawal, Shagun Maheshwari, Priyanka Jain, “**CPW-fed Wideband Antenna with U-shaped Ground Plane**” International Journal Of Wireless and Microwave Technologies, Volume 5, 2014, pp. 25-31
10. Archana Agrawal, Gaurav Sharma, “**Smart City Applications Based On Iot Concept And Its Different Network Technologies: A Review**” International Journal Of Research and Analytical Reviews, volume 6, Issue 1 E-ISSN 2348-1269, P- ISSN 2349-5138, pp 6-10, 2018

11. Archana Agrawal, Sayyed Arif Ali, **“Review Of Printed Mimo Antennas: Design & Isolation Techniques”** International Journal Of Research and Analytical Reviews, volume 6, Issue 1 E-ISSN 2348-1269, P- ISSN 2349-5138, pp 51-55, 2018
12. Archana Agrawal, Jitendra Vasvani, **“ Divergent Schemes Of Procuring Reconfigurable Antennas And Ebg Based Antennas”** International Journal Of Research and Analytical Reviews, volume 6, Issue 1 E-ISSN 2348-1269, P- ISSN 2349-5138, pp 56-60,2018
13. Archana Agrawal, Madhavi Bagga, **“Literature Survey On Boost, Buck-Boost And Resonant Converter Based Led Drivers”** International Journal Of Research and Analytical Reviews, volume 6, Issue 1 E-ISSN 2348-1269, P- ISSN 2349-5138, pp 114-117.,2018
14. Alka Gupta, **Dr. Archana Agarwal**, **“Fuzzy Logic Optimization Algorithm For Automatic Generation Control of Multi Area Power System”**, Pramana Research Journal, ISSN NO: 2249-2976, Volume 9, Issue 10, 2019.
15. Alka Gupta, **Dr. Archana Agarwal**, **“Fuzzy logic load frequency control of multi-area power system”**, Journal of Emerging Technologies and Innovative Research (JETIR) (ISSN-2349-5162) June 2019, Volume 6, Issue 6.
16. Archana Agrawal, Alka Agrawal **“Fuzzy Logic Optimization Algorithm for Automatic Generation Control of Multi Area Power System Using MOSFET Based PWM Inverter”** Pramana Research Journal, ISSN NO: 2249-2976, Volume 9, Issue 12, 2019
17. Alka Gupta, **Dr. Archana Agarwal**, **“Microcontroller controlled H bridge Mosfet dual converter and PWM Inverters for Automatic Generation Control in Multi Area Power”**, Journal of Emerging Technologies and Innovative Research”, (ISSN-2349-5162) Aug.2020, Volume 7, Issue 8.
18. J.Vaswani, A.Agrawal, **“A Four Port, Dual Band Antenna For Fifth Generation Mobile Communication And Wlan Services”**, ACTA TECHNICA CORVINIENSIS – Bulletin of Engineering [e-ISSN: 2067–3809] TOME XIII [2020] | FASCICULE 4 [October – December]
19. Archana Agrawal, Madhavi Bagga **“DESIGN AND ANALYSIS OF QUADRATIC ELEMENT CANONICAL CELL CONVERTER BASED LED LIGHTING SYSTEM”** Wesleyan Journal of Research an International Research Journal(UGC –Care Journal) : Vol:13 No.67 March 2021,pp 105-114, ISSN:0975-1386
20. Archana Agrawal, Gaurav Sharma **“COMPARATIVE ANALYSIS OF DCF BASED DISPERSION COMPENSATION TECHNIQUES IN OPTICAL FIBER COMMUNICATION LINK USING DIFFERENT INPUT TRANSMITTER CONDITIONS AT 10 GBPS”**, Turkish Journal of Computer and Mathematics Education,(scopus) Vol.12 No.3(2021), 3210-3226, April 2021
21. Archana Agrawal, Pankaj Rathi, **“IMPLEMENTATION OF WORMHOLE ROUTER”**, AEGAEUM JOURNAL, ISSN: 0776-3808, Volume 9, Issue 2, 2021, pp:226-243, feb2021
22. Archana Agrawal, Pankaj Rathi, **“THE P-SINK MODEL WORMHOLE SWITCHING: A NEED FOR NOC”**, JOURNAL OF ENGINEERING, COMPUTING & ARCHITECTURE, ISSN NO:1934-71971, Volume 11, Issue 2, pp: 30-43,FEBRUARY – 2021
23. Archana Agrawal, Pankaj Rathi, **“WORMHOLE ROUTING ALGORITHM OF NOC: A REVIEW”** Journal of the Maharaja Sayajirao University of Baroda ISSN : 0025-0422, pp:408-415 Vol55 No(1) ,2021
24. Archana Agrawal, Pankaj Rathi, **“NETWORK ON CHIP (NOC): A REVIEW”** Wesleyan Journal of Research, Vol. 14 No 02 (February 2021),pp: 275-297, ISSN:0975-1386
25. Archana Agrawal, Pankaj Rathi, **“Wormhole Routing: need in Parallel Computers”**, Solid State Technology Volume: 63 Issue:6 Publication Year:2020. ISSN: 0038111X
26. Archana Agrawal, Jitendra Vasvani **“DUAL-BAND, DUAL-POLARIZED TWO ELEMENT SLOT ANTENNA FOR FIFTH GENERATION MOBILE DEVICES”** Turkish J. Comput. Maths. Educ., Vol. 12, no.3, pp.4822-4830, Apr.2021, doi:10.17762/turmocat.v12i3.1986.

27. J. Vaswani and A. Agarwal, "DUAL-BAND, DUAL-POLARIZED FOUR PORT MIMO ANTENNA FOR FIFTH- GENERATION COMPACT SMARTPHONES," Vidyabharati Int. Interdiscip. Res. J., vol. 13, no. 1, pp. 155–166, 2021, [Online]. Available: <http://www.viirj.org/vol13issue1/22.pdf>.
28. J. Vaswani and A. Agarwal, "TWELVE-PORT DUAL-POLARIZED DUAL-BAND MIMO ANTENNA FOR FIFTH GENERATION MOBILE DEVICES" , ICTACT JOURNAL ON COMMUNICATION TECHNOLOGY, SEPTEMBER 2021, VOLUME: 12, ISSUE: 03,pp2490-2497, ISSN: 2229-6948(ONLINE), DOI: 10.21917/ijct.2021.0368
29. Gaurav Sharma, Dr. Archana Agrawal, Dr. Anurag Paliwal, "**Analysis of Dispersion Compensation with Fiber Bragg Grating based Techniques in Optical Fiber Link using Different Modulations and Input Sequences**", Vidyabharati International Interdisciplinary Research Journal, Special Issue on Recent Research Trends in Management, Science and Technology, ISSN: 2319-4979, August 2021. [WEB of SCIENCE].
30. Gaurav Sharma, Dr. Archana Agrawal, "**DCF with Ideal Dispersion Compensation FBG based Dispersion Compensation Technique for Single Channel Optical Fiber Link using NRZ and RZ Modulations with Different Input Sequences**" Vidyabharati International Interdisciplinary Research Journal, Volume 13,No.1, ISSN: 2319-4979, September 2021. [WEB of SCIENCE].
31. Dr. Archana Agrawal, "**DESIGN AND SIMULATION OF RECTANGULAR MICROSTRIP ANTENNA FOR WIRELESS LOCAL AREA NETWORK**" Advanced Engineering Sciences ISSN: 2096-3246 ,Volume 54, Issue 02, November, 2022
32. A. Agrawal "The IoT & MIMO Communication Technology: A New Computer Communication Approach," 2023 International Conference on Communication, Security and Artificial Intelligence (ICCSAI), Greater Noida, India, 2023, pp. 785-791, doi: 10.1109/ICCSAI59793.2023.10420973. (IEEE xplorer)
33. "A. Ladha, A. Agrawal and R. k. Saraswat, "Design and Analysis of Multi-Band Slotted Patch Antenna for Various Applications," 2024 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT), Jabalpur, India, 2024, pp. 70-73, doi: 10.1109/CSNT60213.2024.10545935. , (IEEE xplorer)
34. H. Mallani, A. Agrawal and R. Saraswat, "**Design and Implementation of Penta-band Slotted Microstrip Patch Antenna for wireless applications,**" 2024 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT), Jabalpur, India, 2024, pp. 74-77, doi: 10.1109/CSNT60213.2024.10546062. (IEEE xplorer)
35. H. Mallani, A. Agrawal and R. Saraswat, " **Implementation of Fractal Metamaterial Inspired Antenna for Multi-Standard Wireless Applications.,**" *Progress In Electromagnetics Research B*, Vol. 108, 121-137, 2024
36. H. Mallani, R. K. Saraswat and A. Agrawal, "**Design and Analysis of Quad-band Slotted Antenna for Wireless Applications,**" 2025 IEEE 14th International Conference on Communication Systems and Network Technologies (CSNT), Bhopal, India, 2025, pp. 952-955, doi: 10.1109/CSNT64827.2025.10968468.

#### International Conference

1. Archana Agrawal, Priyanka Jain, Shagun Maheshwari "**ULTRA WIDEBAND TAPERED MICROSTRIP ANTENNA WITH MODIFIED GROUND PLANE**", International Conference on Signal Processing and Communication, Jaypee Noida, 12-14<sup>th</sup> Dec 2013
2. Archana Agrawal, Priyanka Jain, Shagun Maheshwari "**A Compact Dual Band Patch Antenna with modified ground plane**", International Conference on Recent Cognizance in Wireless Communication and Image Processing", Poornima college, Jaipur , 16-17<sup>th</sup> Jan 2015

3. Archana Agrawal, "**A triple Band Notch Antenna Design**", International Conference on "Advances & Research in Electronics & communication System Technology(ARECST'16)", Arya Institute of Engg. & Tech., Jaipur , 20-21<sup>st</sup> Jan 2016
4. Archana Agrawal, "**Green Communication and Networking: An Approach to Make Engineering Smart**", International Young Scientist Congress (IYSC-2017) under International Young Scientist Association, Ganpat University.,Mehsana, Gujrat , 8<sup>th</sup> -9<sup>th</sup> May 2017
5. Archana Agrawal, "**Trending Techniques of Automation: that reduces Human Efforts**", Annual International Conference "Coping Change through Innovation and Value Creation for Society", held at Sangam University.,Bhilwara, Rajasthan , 22<sup>nd</sup> -23<sup>rd</sup> Dec'2017
6. Archana Agrawal "**Antennas for emerging 5G technology**" International Conference – Environment & Climatic Consequences : Challenges & Mitigation Strategies 21st – 22nd December 2019 , Sangam University, Bhilwara.
7. Archana Agrawal, Madhavi Bagga "DESIGN AND ANALYSIS OF QUADRATIC ELEMENT CANONICAL CELL CONVERTER BASED LED LIGHTING SYSTEM" International Conference – Analytical and Interdisciplinary Research (ICAIR-2021) : 05-06 February 2021 , Sangam University, Bhilwara.
8. Archana Agrawal, Jitendra Vasvani "DUAL-BAND, DUAL-POLARIZED TWO ELEMENT SLOT ANTENNA FOR FIFTH GENERATION MOBILE DEVICES" International Conference – Analytical and Interdisciplinary Research (ICAIR-2021) : 05-06 February 2021 , Sangam University, Bhilwara.
9. Archana Agrawal, Jitendra Vasvani "COMPARISON OF SINGLE SLOT, SRR LOADED DUAL-BAND ANTENNA WITH DOUBLE SLOT DUAL-BAND ANTENNA FOR FIFTH GENERATION MOBILE COMMUNICATION SERVICES" International Conference – Analytical and Interdisciplinary Research (ICAIR-2021) : 05-06 February 2021 , Sangam University, Bhilwara.
10. Archana Agrawal, Gaurav Sharma "DIFFERENT DISPERSION COMPENSATION TECHNIQUES IN OPTICAL FIBER COMMUNICATION LINK :A REVIEW" International Conference – Analytical and Interdisciplinary Research (ICAIR-2021) : 05-06 February 2021 , Sangam University, Bhilwara.
11. Archana Agrawal, Gaurav Sharma "COMPARATIVE ANALYSIS OF DCF BASED DISPERSION COMPENSATION TECHNIQUES IN OPTICAL FIBER COMMUNICATION LINK USING DIFFERENT INPUT TRANSMITTER CONDITIONS AT 10 GBPS" International Conference – Analytical and Interdisciplinary Research (ICAIR-2021) : 05-06 February 2021 , Sangam University, Bhilwara.
12. Archana Agrawal " A System of Four-Element, Dual-Band MIMO Antenna With Fabrication and Experimental Results for 5G Mobile and WLAN Services" International Conference – Analytical and Interdisciplinary Research (ICAIR-2022) : 06-08 October 2022 , Sangam University, Bhilwara.
13. Archana Agrawal "Communication technology and application of IOT in smart home environment" International Conference on Analytical and Interdisciplinary Research (ICAIR-2022) : 06-08 October 2022 , Sangam University, Bhilwara
14. Archana Agrawal "A polygon shape multiband antenna for wireless application" International Conference on Analytical and Interdisciplinary Research (ICAIR-2022) : 06-08 October 2022 , Sangam University, Bhilwara
15. Archana Agrawal "Comparison of Highly selective UWB Bandpass filter designing using different design methods." International Conference on Analytical and Interdisciplinary Research (ICAIR-2022) : 06-08 October 2022 , Sangam University, Bhilwara
16. A. Agrawal "The IoT & MIMO Communication Technology: A New Computer Communication Approach," *2023 International Conference on Communication, Security and Artificial Intelligence (ICCSAI)*, Greater Noida, India, 2023, pp. 785-791, doi: 10.1109/ICCSAI59793.2023.10420973.

17. "A. Ladha, A. Agrawal and R. k. Saraswat, "Design and Analysis of Multi-Band Slotted Patch Antenna for Various Applications," *2024 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT)*, Jabalpur, India, 2024, pp. 70-73, doi: 10.1109/CSNT60213.2024.10545935. , (IEEE xplorer)
18. H. Mallani, A. Agrawal and R. Saraswat, "Design and Implementation of Penta-band Slotted Microstrip Patch Antenna for wireless applications," *2024 IEEE 13th International Conference on Communication Systems and Network Technologies (CSNT)*, Jabalpur, India, 2024, pp. 74-77, doi: 10.1109/CSNT60213.2024.10546062. (IEEE xplorer)
19. Archana Agrawal **"Design and Performance Observation of Frequency Reconfigurable Multiband Antenna for wireless applications."** International Conference on Analytical and Interdisciplinary Research (ICAIR-2025) : 10-11 March 2025 , Sangam University, Bhilwara
20. Archana Agrawal **"Implementation of Fractal Antennas for Wireless Applications."** International Conference on Analytical and Interdisciplinary Research (ICAIR-2025) : 10-11 March 2025 , Sangam University, Bhilwara
21. Archana Agrawal **"Optical Fibres for High Speed Data Transmission: A Review of Recent Advances and Future Prospects."** International Conference on Analytical and Interdisciplinary Research (ICAIR-2025) : 10-11 March 2025 , Sangam University, Bhilwara
22. H. Mallani, R. K. Saraswat and A. Agrawal, "**Design and Analysis of Quad-band Slotted Antenna for Wireless Applications,**" *2025 IEEE 14th International Conference on Communication Systems and Network Technologies (CSNT)*, Bhopal, India, 2025, pp. 952-955, doi: 10.1109/CSNT64827.2025.10968468

#### National Conference/Seminar

1. Archana Agrawal and Gurinderbir Singh Grewal **"BLUE ENERGY! A COMPREHENSIVE SOLUTION TO ENERGY CRISIS,"** National Conference on Renewable Energy Source- A plausible Energy solution to Looming Energy Crisis ,Sept 2010
2. Archana Agrawal **"A COMPREHENSIVE STUDY OF RECTANGULAR PATCH ANTENNA AND FRACTAL ANTENNA"** National conference on Trends in Signal Processing and Communications, BIT Muzaffarnagar, March-2011
3. Archana Agrawal and Prof. P.K. Singhal, **"WIDEBAND AND COMPACT RECTANGULAR PATCH ANTENNA USING ADDITIONAL RESONATORS"** National Conference on Recent Advances in Microwave Engineering, MITS, Gwalior, Dec.2011
4. Archana Agrawal and Lokendra Chauhan, **"BANDWIDTH ENHANCEMENT BY TAPERING AND MODIFICATION IN GROUND PLANE"** National Conference on Recent Advances in Microwave Engineering, MITS, Gwalior, Feb.2015.
5. Archana Agrawal and Ajay Jajoo, **"SMART GRID MAKING ELECTRICAL DISTRIBUTION SYSTEM SMART"** AICTE sponsored Two Days National Conference on Design Aspects, Operation and Control of Smart Grids, SKIT, Jaipur, October 27-28, 2017.
6. Archana Agrawal, Gaurav Sharma, **"Smart City Applications Based On Iot Concept And Its Different Network Technologies: A Review"** National Conference on "Recent Trends & Innovations in Engineering & Technology" December 24 -25, 2018 , Sangam University, Bhilwara.

7. Archana Agrawal, Sayyed Arif Ali, “**Review Of Printed Mimo Antennas: Design & Isolation Techniques**” National Conference on "Recent Trends & Innovations in Engineering & Technology" December 24 -25, 2018 , Sangam University, Bhilwara.
8. Archana Agrawal, Jitendra Vasvani, “ **Divergent Schemes Of Procuring Reconfigurable Antennas And Ebg Based Antennas**” National Conference on "Recent Trends & Innovations in Engineering & Technology" December 24 -25, 2018 , Sangam University, Bhilwara.
9. Archana Agrawal, Madhvi Bagga, “**Literature Survey On Boost, Buck-Boost And Resonant Converter Based Led Drivers**” National Conference on "Recent Trends & Innovations in Engineering & Technology" December 24 -25, 2018
10. Archana Agrawal, “**Technology-Impact on Society**” National Seminar on "Common Sense & Its Applications" January 5-6 2024, jointly organized by MLSU ,Udaipur and IQAC &Research Cell, Sangam University, Bhilwara.

### **Attended Workshops and publications**

1. Book on Microwave Engineering, Genius Publications, Jaipur
2. Attended 2 days workshop on “Low power Embedded System using MSP 430 ”, Sept 2010
3. Participated at ISTE Section Paper Presentation, Panel Discussion and Project Exhibition Ceremony cum National Level Techno – Cultural Symposium, Nov 2010 held on theme “Nurturing Creativity among Potential Professionals through Technical educations”.
4. Organized a workshop of BIONIC club- A platform to develop live projects under ISTE chapter at LCET, Ludhiana, April 2011
5. Participated in the workshop conducted by IEEE-MTTS student branch chapter at RTU KOTA on theme “ Advanced Antenna Design Techniques and Microwave Engineering” Oct 2011
6. Attended two week ISTE workshop organized by IIT, Bombay under National Mission on Education through ICT (MHRD) on “Introduction to Research Methodologies” 25<sup>th</sup> june to 4<sup>th</sup> july 2012
7. Participated in the two day workshop conducted by IEEE-MTTS student branch chapter at MITS GWALIOR on theme “ Advanced Antenna Design Techniques and Microwave Engineering” 31<sup>st</sup> Aug -1<sup>st</sup> Sept 2012
8. Attended two day ISTE workshop organized by IIT, Bombay under National Mission on Education through ICT (MHRD) on “Aakash for Education” 10<sup>th</sup>-11<sup>th</sup> Nov. 2012
9. Attended two week ISTE workshop organized by IIT, Kharagpur under National Mission on Education through ICT (MHRD) on “Analog Electronics” 4<sup>th</sup>-14<sup>th</sup> Jun. 2013
10. Attended ten days ISTE workshop organized by IIT, Kharagpur under National Mission on Education through ICT (MHRD) on “Control Systems”
11. Attended ten days workshop on “Embedded systems” at RoboIndia Technologies, Ajmer from 2nd to 12th January 2016.

12. Attended one week Workshop on Antenna and Microwave Devices (AMD -2016)" during April 04 - 08, 2016 using ANSYS HFSS & MITS prototyping machine at GWEC Ajmer under TEQIP-II
13. Attended one day Industry Conclave on Sustainable Growth for Textile Industry on 10<sup>th</sup> sept.'16 organized by Sangam University Bhilwara
14. Attended three days Faculty Development Program on Teaching Skills and Research Methodology on 5<sup>th</sup>-7<sup>th</sup> Jan 2017 organized by Sangam University Bhilwara.
15. Attended one week Workshop on Advance Antenna Design using FSS and Metamaterials (AAFM -2017)" during March 22<sup>nd</sup> – 26<sup>th</sup>, 2017 at GWEC Ajmer under TEQIP-II
16. Attended two days workshop on IoT organized by eCell IIT Guwhati, from 6<sup>th</sup> -7<sup>th</sup> Sept 2017 at Sangam University, Bhilwara.
17. NPTEL-AICTE faculty development programme on Microwave Theory & Techniques, July – october 2019.
18. Attended one week workshop on "SKILL-UP :Excelling a Research Supervisor", from 6<sup>th</sup> -10<sup>th</sup> May 2024 at Sangam University, Bhilwara

#### **Webinars / Lecture Series / FDP attended**

1. Webinar on, "Effects of Use of Mobile phones and Towers on Human Life" organized by Department of Electronics Engineering, HBTU, Kanpur in association with GWEC, Ajmer on 24th May, 2020.
2. Webinar on, "Remedies of RF and Microwave Signals" organized by Department of Electronics Engineering, HBTU, Kanpur in association with GWEC, Ajmer on 25th May, 2020.
3. Webinar on, "EMERGING WIRELESS TECHNOLOGIES: OFDMA Communication Systems" organized by Department of Electronics Engineering, HBTU, Kanpur in association with NIT Kurukshetra, on 29th May, 2020.
4. Webinar on, "EMERGING WIRELESS TECHNOLOGIES: Future Trends of Multiple Access Schemes" organized by Department of Electronics Engineering, HBTU, Kanpur in association with NIT Kurukshetra, on 30th May, 2020.
5. Webinar on, "Metamaterials based leaky wave antenna" on 3rd June, 2020 organized by IEEE MTT-S and AP-S student branch chapter, department of ECE, Manipal university Jaipur.
6. Webinar on "Effective Research Manuscript Writing" on 16th june 2020 by prof. Rajesh kumar Head, department electrical engineering, MNIT jaipur, rajasthan, india, IEEE MTT-S and AP-S MUJ student branch chapter & department of ECE, Manipal university Jaipur.
7. One week Lecture series on "Recent Trends on RF & its applications" from June 26-30, 2020 organized by IEEE Antenna & Propagation Society (APS)Chapter- Jaipur & IEEE Raj. Subsectionin association with MNIT, Jaipur & GWEC, Ajmer.
8. Webinar on " Designing Of Substrate Integrated Waveguide (SIW) Antennas" on 15th july 2020 by Dr. Soumava Mukherjee Assistant Professor, Indian Institute Of Technology, Jodhpur, IEEE MTT-S and AP-S MUJ student branch chapter & department of ECE, Manipal university Jaipur.
9. Participated in three days **Faculty Development Program** organized by school of Arts, Science, commerce and Internal Quality Assurance(IQAC), Rai University, Ahmedabad, Gujarat in association with Inpods India ,pune on "**Outcome Based Education**" from 22<sup>nd</sup> – 24<sup>th</sup> July 2020

10. Attended **One Week International Workshop** on "Metamaterial and its Applications" from July 27-31, 2020 under IEEE Antenna and Propagation Society Chapter-Jaipur in association with IEEE Rajasthan Subsection, MNIT, Jaipur, and Govt. Women Engineering College Ajmer
11. Attended One day National Webinar on "**Next Generation Antenna**" jointly organized by IETE, Gwalior & Bhopal, IEEE, M.P. Subsection and Institution of Engineers India), Gwalior on 02<sup>nd</sup> August 2020.
12. Attended a Two days National Web-Seminar on "**ERA of Advance Technology of Remote Sensing and GIS in Engineering**" organized by the Department of Civil Engineering & Department of Geoinformatics held on Date 29-30, April 2021.
13. Attended Faculty Development Program on "**ICT Tools for Effective Teaching Learning**", from 26th July to 2nd August 2021, organized by Internal Quality Assurance Cell [IQAC], Sangam University.
14. Attended One week Faculty Development Program from 20<sup>th</sup> -24<sup>th</sup> December 2021, organized by Internal Quality Assurance Cell [IQAC], Sangam University.
15. Attended Two day Faculty Development Program from 12<sup>th</sup> -13<sup>th</sup> April 2022, organized by Internal Quality Assurance Cell [IQAC], Sangam University on "**Outcome Based Education & Implementation**"
16. Two days faculty Development Programme on "**Benchmarking Quality Enhancement Initiatives through Innovative Practices**" organized by Internal Quality Assurance Cell [IQAC] held at Sangam University, Bhilwara on 12th & 13th July 2022.
17. Two days faculty Development Programme on "**How to Develop Project Proposal**" organized by Internal Quality Assurance Cell [IQAC] held at Sangam University, Bhilwara on October 20-21, 2022.
18. Two days National workshop on "**Challenges before HEI's in Remote Areas for achieving quality improvement through assessment & Accreditation Process**" organized by Internal Quality Assurance Cell [IQAC] held at Sangam University, Bhilwara on November 24-25 , 2022.
19. International Symposium On "**NEW TRENDS IN IOT**" organized by IcfaiTech, The ICFAI University, Jaipur in association with NASSCOM FUTUREPRIME Skills and IET(UK) on November 18, 2022.
20. Webinar on "**Research Funding and International Cooperation** – Dr. S. K Varshney- Advisor & Head - International Cooperation, Department of Science & Technology, Government of India " organized by The ICFAI University Jaipur on November 23, 2022.
21. Two days National workshop on two day "**2<sup>nd</sup> National Level Workshop on CURRICULUM FRAMEWORK 2023**" held on 17th & 18<sup>th</sup> March, 2023 through Online, conducted by Institute for Academic Excellence (IAE), Hyderabad in collaboration with Collegiate Education & Technical Education Department, Govt. of Telangana.
22. NPTEL-AICTE faculty development programme on Introduction to IoT, Jan –April 2023.
23. Workshop on "**Research Ethics, Tools & Altmetrics**" organized by Internal Quality Assurance Cell [IQAC] held at Sangam University, Bhilwara on July 27 , 2023.

24. Workshop on “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by Malaviya Mission Teacher Training Centre, Devi Ahilya Vishwavidyalaya, Indore (M.P) from 20-02-2025 to 28-02-2025..

**Expert lecture taken/ Guest speaker/Coordinators/Awards/Achievements**

1. Guest Speaker during Faculty Development Programme on “Recent Advances in Industrial Power Electronics & Drive” held from 22/02/2021 to 26/02/2021 at “Shrinathji Institute of Technology & Engineering, Nathdwara”.
2. Organised and Speaker on webinar on “Effects of RF and Microwaves on Human Tissues” at Sangam University, Bhilwara for SOET, 15 Sept 2021
3. Session chair in 5th International conference organized by OWT-2021 “Wireless Technologies”
4. Coordinator of webinar organized on “IoT” on 23/11/21/ in association with Pantech Learning at Sangam University, Bhilwara
5. Guest speaker during Faculty Development Programme on “Recent Trends in Electronics & Communications” held on 11/12/21 at Mewar University, Chittorgarh
6. **Organizing Secretary** in the International Conference on Analytical & Interdisciplinary Approach held at Sangam University, Bhilwara 6-8 October 2022
7. Received **Shikshak Samman Award** on Teachers Day held by Lions Club Bhilwara. 15 sept 2022
8. **Editor** of the Journal of Sangam University.
9. **Editor** of the Monthly magazine of Lions Club Bhilwara for session 2022-23
10. Guest Lecture on “Recent Trends in Engineering” held on 24/12/22 at Shrinath Institute of Technology & Engineering, Nathdwara.
11. Editor of Souvenir International Conference on Analytical & Interdisciplinary Approach held at Sangam University, Bhilwara 6-8 October 2022
12. As in **Advisory Board** of Two days National workshop on “**Challenges before HEI’s in Remote Areas for achieving quality improvement through assessment & Accreditation Process**” organized by Internal Quality Assurance Cell [IQAC] held at Sangam University, Bhilwara on November 24-25, 2022.
13. As in Co-Convenor in A Principal Meet/Workshop held on 30 Jan 2023 on “**विद्यालयी शिक्षा की पुनः संरचना नवीन राष्ट्रीय शिक्षा नीति - 2020 के परिप्रेक्ष्य में**”
14. As in Convenor in Skill Up Seminar on “Automation Technology and It’s Impact on Industry” organized by School of Engineering & Technology, Sangam University, Bhilwara, 16-17 March 2023
15. As in Convenor in Jugaad Mela- Project Exhibition cum Competition on “Innovation the Indian Way” organized by School of Engineering & Technology, Sangam University, Bhilwara, 2 may 2023 ,
16. Received District Governor’s appreciation certificate by Lions Club International District for exemplary leadership and invaluable services for session 2022-23
17. Received “**Excellence in Education Award**” by *Institute of Engineers* , Raj. Center and ITS Foundation Award-2023, on 24<sup>th</sup> Sept 2023, Jaipur
18. Guest Lecture on “Recent Trends in Microwave Engineering” held on 24/12/23 at MLVTI college , Bhilwara
19. Appreciation for NAAC criterion III at Sangam University, Bhilwara, May 2024

20. Received Mahila Shakti Samman Award by Jawahar Foundation , 10 March 2024 for contribution in Education field
21. Expert lecture taken in One week FDP on “empowering Research:tools and Techniques for effective Research Development” on topic “Undersatnding Ethical Issues and Plagaiarism” in Associatyion with AIU-SU-AADC from Dec 10-15 feb 2025
22. Committee member of Two Days,DST supported National Symposium on “Intellectual Proerty Rights(IPR) patents and Design Filing” from March 28-29 2025 jointly orgabised by Research Cell and SOBAS, Sangam University, Bhilwara

#### **Extra Curricular Activities & Achievements**

1. Faculty Incharge of Cultural Committee at ITM, Bhilwara
2. Former faculty Incharge of BIONIC Club(platform to develop live projects) At LCET, Ludhiana
3. Guiding Thesis of M.Tech., Ph.D students
4. National level Dance competition winner
5. Won many awards in field of Education, school/college activities & competition.
6. Organized workshops and Conference at National Level

#### **Personal Positives**

1. I am hardworking, sincere person with total dedication and commitment to any work assigned to me.
2. I am a fast learner with good communication skills.
3. I have very good management skills in organizing events.
4. Organized various workshop, seminars at university level.

#### **Personal Profile**

1. Tel. No. :- 08058255034
2. Date of Birth :-24<sup>h</sup> June 1982
3. Gender :-Female
4. Language Known :-Hindi & English
5. Permanent Address :-Dr. Archana Agrawal  
W/o Mr. Vijay Agrawal  
**879, B.K. Kaul Nagar , Ajmer(Raj.)**

#### **Declaration**

It is to certify that all above information are true as per my Knowledge.

Place: Bhilwara

**Dr. Archana Agrawal**