

# Curriculum Vitae



**Dr. Alkesh Agrawal**

<https://alkesh-agrawal.github.io/personal-web-page/>

**E-mail:** [alkesh.agrawal26@gmail.com](mailto:alkesh.agrawal26@gmail.com)

**Mob. :** 9935363326

**DoB:** 26<sup>th</sup> March 1976

**Marital Status:** Married

**Residential Address:** 21/1, Amrapali Vihar, Rajni Khand Road, Telibagh, Lucknow-25

## Professional Experience

**Shri Ramswaroop Memorial University, Institute of Technology, Lucknow-Deva Road, Barabanki, Uttar Pradesh.**

11-07-2013 to present | **Associate Professor, HoD**

(Electronics and Communication Engineering)

**Off. Dir.,** CIIE (Centre of Innovation, Incubation and Entrepreneurship)

**Shri Ramswaroop Memorial University, Institute of Technology, Lucknow-Deva Road, Barabanki, Uttar Pradesh.**

01-07-2012 to 10-07-2013 | **Assistant Professor**

(Electronics and Communication Engineering)

**Shri Ramswaroop Memorial College of Engineering and Management, Lucknow, Uttar Pradesh.**

23-07-2009 to 30-06-2012 | **Assistant Professor**

Head of the Department

(Electronics and Instrumentation)

**Shri Ramswaroop Memorial College of Engineering and Management: Lucknow, Uttar Pradesh.**

01-09-2007 to 23-07-2009 | **Assistant Professor**

(Electronics and Communication Engineering)

**Shri Ramswaroop Memorial College of Engineering and Management: Lucknow, Uttar Pradesh, India**

23-09-2002 to 31-08-2007 | **Lecturer**

(Electronics and Communication Engineering)

## **Professional Education**

- 2019 **Ph.D.** Shri Ramswaroop Memorial University  
(Broad-band EM Absorber based on Metamaterial)  
Date of enrollment 11-07-2014, Date of completion 19-11-2019  
<http://hdl.handle.net/10603/287131>  
<https://shodhganga.inflibnet.ac.in/handle/10603/287131>
- 2008 **Master of Technology**, U.P.T.U. (AKTU) (Digital Communication, CPI-9.67)
- 2002 **Bachelor of Technology**, J.K. Institute of Applied Physics and Technology  
University of Allahabad  
(Electronics and Telecommunication, 72%)
- 1998 **Bachelor of Science** (Gold Medalist), University of Allahabad  
(PCM Group, 77%)
- 1994 **All India Senior School Certificate Examination**, CBSE board  
(PCM, Biology, English, 81%)
- 1992 **All India Secondary School Certificate Examination**, CBSE board  
(English, Hindi, Maths, Science, Social Science, 84%)

## **Topic of Research (Ph.D)**

**‘Broad-band EM Absorber based on Metamaterial’**

**Guide:** Dr. Mukul Misra (Director: Research and Consultancy)  
Shri Ramswaroop Memorial University

## **Topic of M.Tech Dissertation**

**‘Performance Improvement of Long Haul Return-to-Zero Dense WDM Systems via Dispersion Interleaving’.**

**Guide:**

**Dr. Neelam Srivastava** - HoD, Deptt. of ECE, Institute of Engineering and Technology (IET), Lucknow

**Dr. Ragini Tripathi** - HoD, Deptt. of EI, NIEC, Lucknow

## **Research Interests**

### **Metamaterial based Electromagnetic Microwave Absorbers**

Metamaterials (MM) have attracted researchers in recent years due to their potential applications in realization of novel devices such as perfect lens, cloak at microwave frequency, microwave antennas. Metamaterial concept is also applied for the development of the Metamaterial Perfect Absorbers (MPAs). With the demonstration of first MPA in 2008, significant research work has been carried out to improve the designing and performance of the MPAs maintaining the conventional three layered geometry. MPAs find applications in suppressing the electromagnetic interference, improving performance of radar system by reducing the RCS (radar cross section) and improving radiation pattern of transmitting antenna by suppressing side-lobes. Future applications include the use of THz MPA as frequency selective thermal detectors, spectrum modifiers, MMA based tunable micro-bolometer, Metamaterial THz waveguide. At present the research work focuses on MPAs with narrow band absorption, Polarization independent MPAs, MPAs with high absorption at wide angle of incidence of electromagnetic waves, MPAs with broad-band absorption.

In the research work three MPA structure designs were simulated, fabricated, and tested for maximum absorptance at resonance frequencies for normal incidence, for wide incidence angle and for different polarization angle of EM waves.

**First MPA design:** Oblique Incidence and Polarization Insensitive Multi-band Metamaterial Absorber with Quad Paired Concentric Continuous Ring Resonators.

**Second MPA design:** Wide Incidence Angle and Polarization Insensitive Dual Broad-Band Metamaterial Absorber based on Concentric Split and Continuous Rings Resonator Structure.

**Third MPA design:** Angle of Incidence and Polarization Insensitive Ultra-thin Ultra Broad-band Metamaterial Microwave Absorber based on Non-linearity in Unit Cell Design.

## **Teaching Experience ( 19+ years )**

### **Subjects taught in U.G Programme**

- **Digital Electronics**
- **Signals and Systems**
- **Computer Organization**
- **Solid State Devices and Circuits**
- **Digital Communication**
- **Optical Fibre Communication**
- **Data Computer Networks**
- **Communication Engineering**

### **Subjects taught in P.G Programme**

- **Information Theory and Coding**
- **Estimation and Detection Theory**

### **Subjects taught in P.hD. Course Work**

- **Metamaterials and Metamaterial Perfect Absorber**
- **Scilab**
- **LabVIEW**

## **Software Skills**

- |                               |                               |
|-------------------------------|-------------------------------|
| ➤ <b>CST Microwave Studio</b> | ➤ <b>Optisystem</b>           |
| ➤ <b>LabVIEW</b>              | ➤ <b>Electronic Workbench</b> |
| ➤ <b>Matlab</b>               | ➤ <b>Microsoft Visio</b>      |
| ➤ <b>Scilab</b>               | ➤ <b>HTML</b>                 |
| ➤ <b>C-Language</b>           | ➤ <b>CSS</b>                  |
|                               | ➤ <b>JavaScript</b>           |

### **Lectures on my YouTube Channel**

#### **ETronicsLecturesbyDrAlkesh Agrawal**

**Subject:** Digital System Design/Digital Electronics, Analog and Digital Communication, Scilab, LabVIEW.

#### **Some YouTube Lecture Links:**

- |   |   |
|---|---|
| <a href="https://youtu.be/5CU9NdKyAIA">https://youtu.be/5CU9NdKyAIA</a> | (Logic Gates Universal Gates De-Morgan Laws)        |
| <a href="https://youtu.be/YXYjJ7DjvI8">https://youtu.be/YXYjJ7DjvI8</a> | (NAND-NOR Implementation of Boolean Function)       |
| <a href="https://youtu.be/CYKPAZZifxo">https://youtu.be/CYKPAZZifxo</a> | (Standard Canonical Forms SOP POS)                  |
| <a href="https://youtu.be/dQKDDplodMw">https://youtu.be/dQKDDplodMw</a> | (5-Variable K-Maps)                                 |
| <a href="https://youtu.be/ZXq-x9uhIGc">https://youtu.be/ZXq-x9uhIGc</a> | (6-Variable K-Map)                                  |
| <a href="https://youtu.be/QcycSRvbONU">https://youtu.be/QcycSRvbONU</a> | (Combinational Circuit - Half Adder and Full Adder) |

## **Research Publications in Refereed Journals (WoS and SCOPUS)**

1. Rahul Misra, Kunal Singh, **Alkesh Agarwal**, Ravi Rastogi, Sarvesh Dubey, “Electronic Noise Analysis of Source-Engineered Phosphorene/Si Heterojunction Dopingless Tunnel-FET,” *Silicon* (Springer), July 16, 2022.  
ISSN: 1876-9918 (IF: 2.67)  
<https://doi.org/10.1007/s12633-022-02019-5>
2. **Alkesh Agrawal** and Mukul Misra, "Angle of Incidence and Polarization Insensitive Ultra-Thin Ultra Wide-Band Metamaterial Absorber based on Novel Non-Linearity in Unit Cell Design," *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, Vol. 20, No. 2, 556-569, 2021.  
ISSN: 2179-1074 (Cite Score: 1.30)  
<https://doi.org/10.1590/2179-10742021v20i31207>
3. Kunal Krishna Upadhyay, **Alkesh Agrawal**, and Mukul Misra, "Wide-Band Log-Periodic Microstrip Antenna with Defected Ground Structure for C-Band Applications," *Progress In Electromagnetics Research C*, Vol. 112, 127-137, 2021.  
ISSN: 1937-8718 (IF: 1.478)  
<https://www.jpier.org/PIERC/pier.php?paper=21031106>
4. **Alkesh Agrawal**, Mukul Misra and Ashutosh Singh, “Wide incidence angle and polarization insensitive dual broad-band metamaterial absorber based on concentric split and continuous rings resonator structure”, *Material Research Express (IOP Science)*, vol. 5, no. 11, pp. 115801, 2018. ISSN: 2053-1591 (IF: 1.151)  
<https://iopscience.iop.org/article/10.1088/2053-1591/aadd83>
5. **Alkesh Agrawal**, Mukul Misra, and Ashutosh Singh “Oblique Incidence and Polarization Insensitive Multiband Metamaterial Absorber with Quad Paired Concentric Continuous Ring Resonators,” *Progress In Electromagnetics Research M*, vol. 60, pp. 33–46, 2017.  
ISSN: 1937-8726 (IF: 2.949) (UGC Ref. no. 31874)  
<http://www.jpier.org/PIERM/pier.php?paper=17061302>
6. **Alkesh Agrawal**, Ashutosh Singh, and Mukul Misra, “A Multiband Metamaterial Absorber with Concentric Continuous Rings resonator Structure”, *International Journal of Advances in Microwave Technology (IJAMT)*, vol. 1, no.1, pp. 5-9, May 2016.  
ISSN: 2456-4346
7. Varsha Pandey, **Alkesh Agrawal**, Mohd. Maroof Siddiqui, “Sleep Disorders and EEG Recording”, *International Journal of Electronics and Computer Science Engineering (IJECS)*, vol. 4, no. 3, pp. 207-212, 2015.  
ISSN: 2277-1956

## **Research Publications in IEEE Xplore (Indexed in SCOPUS)**

1. Kunal Krishna Upadhyay, **Alkesh Agrawal** and Mukul Misra “Wide-band CPW-Fed Slotted Rectangular Patch Antenna loaded with Ring Resonators for C-band Applications” 2019 International Conference on Cutting-edge Technologies in Engineering (ICon-CuTE), Shri Ramswaroop Memorial University, Lucknow-Deva Road, Barabanki, November 16-18, 2019. IEEE Conference Record No. 47290. Published in *IEEE Xplore*, pp. 121 – 124, Feb. 13, 2020.

Electronic ISBN: 978-1-7281-0000-5

**DOI:** [10.1109/ICon-CuTE47290.2019.8991515](https://doi.org/10.1109/ICon-CuTE47290.2019.8991515)

2. **Alkesh Agrawal**, Ashutosh Singh, and Mukul Misra “A Dual Broadband Metamaterial Absorber with Concentric Continuous and Split Rings Resonator Structure” 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-2016), IIT- BHU, Varanasi, December 9-11, 2016. Published in *IEEE Xplore*, pp. 597 – 601, April 12, 2017.

Electronic ISBN: 978-1-5090-5384-1

**DOI:** [10.1109/UPCON.2016.7894722](https://doi.org/10.1109/UPCON.2016.7894722)

3. Dinesh Kumar, **Alkesh Agrawal**, Gopal Singh Phartiyal, “Non Iterative LDPC Codes Decoding by Syndrome Generation using Artificial Neural Network”, National conference on Recent Advances in Electronics and Computer Engineering (RAECE-15), IIT Roorkee, Feb. 13-15, 2015. Published in *IEEE Xplore*, pp. 22-25, July 14, 2016.

Electronic ISBN: 978-1-5090-2146-8

**DOI:** [10.1109/RAECE.2015.7510219](https://doi.org/10.1109/RAECE.2015.7510219)

## **Patents Published**

1. **Invention:** Ultra-Thin Ultra Broad-band Metamaterial Microwave Absorber Based on Novel Non-Linearity in Unit Cell Design for X-band Applications.

**The Patent Office Journal No.** 37/2021 Dated 10/09/2021

**Patent Application No.** 202011009840 A

2. **Invention:** De-Centralized Solar Charge cum Docking Station for 48Vdc Electric Vehicles.

**The Patent Office Journal No.** 25/2020 Dated 19/06/2020

**Patent Application No.** 201911044345 A

## **Paper Presentations in National and International Conferences**

1. Kunal Krishna Upadhyay, **Alkesh Agrawal** and Mukul Misra “Wide-band CPW-Fed Slotted Rectangular Patch Antenna loaded with Ring Resonators for C-band Applications” 2019 International Conference on Cutting-edge Technologies in Engineering (ICon-CuTE), Shri Ramswaroop Memorial University, Lucknow-Deva Road, Barabanki, November 16-18, 2019. IEEE Conference Record No. 47290. Published in *IEEE Xplore*, pp. 121 – 124, Feb. 13, 2020.
2. **Alkesh Agrawal**, Ashish Anand and Mukul Misra, “LabVIEW Implementation of Hamming (n,k) Channel Coding Scheme”, Second International Conference on Computing, Communication, and Control Technology (IC<sup>4</sup>T 2018), organized by Shri Ramswaroop Memorial Group of Professional Colleges and Shri Ramswaroop Memorial University, Lucknow, Oct. 25-27, 2018.
3. **Alkesh Agrawal** and Mukul Misra, “Metamaterial Perfect Absorbers”, Second International Conference on Computing, Communication, and Control Technology (IC<sup>4</sup>T 2018), organized by Shri Ramswaroop Memorial Group of Professional Colleges and Shri Ramswaroop Memorial University, Lucknow, Oct. 25-27, 2018.
4. Divya Pandey, **Alkesh Agrawal** and Manju Bhardwaj, “Resource Optimization in C-RAN using D2D for 5G Wireless Communications”, Second International Conference on Computing, Communication, and Control Technology (IC<sup>4</sup>T 2018), organized by Shri Ramswaroop Memorial Group of Professional Colleges and Shri Ramswaroop Memorial University, Lucknow, Oct. 25-27, 2018.
5. **Alkesh Agrawal**, Ashutosh Singh, and Mukul Misra “A Dual Broadband Metamaterial Absorber with Concentric Continuous and Split Rings Resonator Structure” 3rd IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics Engineering (UPCON-2016), IIT- BHU, Varanasi, December 9-11, 2016. Published in *IEEE Xplore*, pp. 597 – 601, April 12, 2017.
6. Dinesh Kumar, **Alkesh Agrawal**, Gopal Singh Phartiyal, “Non Iterative LDPC Codes Decoding by Syndrome Generation using Artificial Neural Network”, National conference on Recent Advances in Electronics and Computer Engineering (RAECE-15), IIT Roorkee, Feb. 13-15, 2015. Published in *IEEE Xplore*, pp. 22-25, July 14, 2016.
7. **Alkesh Agrawal**, Ashutosh Singh, and Mukul Misra “Recent Trends and Applications of Metamaterial based Microwave Absorbers” International Conference on Computing, Communication and Control Technology (IC<sup>4</sup>T-2016), organized by Shri Ramswaroop Memorial Group of Professional Colleges and Shri Ramswaroop Memorial University, Lucknow, November 10-12, 2016.
8. F. Fatima, **Alkesh Agrawal**, T. B. Joseph, “Design and Fabrication of Multi-band Microstrip Patch Antenna”, National conference on Recent Advances in Electronics and Computer Engineering (RAECE-15), IIT Roorkee, Feb. 13-15, 2015.

9. **Alkesh Agrawal**, Ashutosh Singh, Mukul Misra, “A Multiband Metamaterial Absorber using Concentric Circular Ring Shaped Structure”, 10<sup>th</sup> International conference on Microwave Antenna, Propagation and Remote Sensing (ICMARS-14), organized by International Centre for Radio Waves, Jodhpur, India, Dec. 09-12, pp-328-331, 2014.
10. Geetanjali Srivastava, **Alkesh Agrawal**, “Performance comparison of Gold codes and Walsh codes in DS-SS System,” in National Seminar on **Communications 2020** conducted by IETE & IE (India) held on Mar. 8-9, 2008.
11. **Alkesh Agrawal**, Neelam Srivastava, Ragini Tripathi, “Performance Improvement of Long Haul Return-to-Zero Dense WDM Systems via Dispersion Interleaving,” in National Seminar on **Communication Convergence** conducted by IETE & IE (India) held on Sep. 8-9, 2007.

### **FDPs / Workshops/ VACs Organized (Convener/Resource Person)**

1. **Convener and Resource Person:** 06 days FDP on “Basics of Scilab” organized from June 21 – June 25, 2022 by Department of Electronics and Communication Engineering, Shri Ramswaroop Memorial University, Barabanki, 225003.
2. **Convener and Resource Person:** 06 days FDP on “Applications of Scilab” organized from July 05 – July 09, 2022 by Department of Electronics and Communication Engineering, Shri Ramswaroop Memorial University, Barabanki, 225003.
3. **Convener:** 06 days short term training course/workshop on “Verilog HDL using Xilinx ISE 14.5”, organized in Shri Ramswaroop Memorial University, Lucknow-Deva Road, Oct. 09 – 14, 2018.
4. **Convener:** 36 hours value added course on LabVIEW Programming (Basic Module), Sep. 13 – Dec. 30, 2018.
5. **Co-convenor:** 06 days short term training course on “Designing, Simulation, and Modeling of Electronic Circuits”, Sep. 18 – 23, 2017.
6. **Co-convenor and Resource Person:** 06 days short term training course on “MATLAB Programming: From Introduction to Essentials”, March 25 – 31, 2017.

### **Organizing Chair (IEEE Conference - Record No. 47290)**

1. 2019 International Conference on Cutting-edge Technologies in Engineering organized by Shri Ramswaroop Memorial University, Nov. 16 – Nov. 18, 2019. (ICon-CuTE-2019)



### **Offline FDPs /Workshops/Seminars Attended**

1. 02 days FDP on **Resource Mobilization for Research**, organized by IQAC, Shri Ramswaroop Memorial University, July 15 – July 16, 2019.
2. 06 days FDP on **Python with Data Science**, organized by IQAC, Shri Ramswaroop Memorial University, July 16 - July 20, 2019.
3. 02 days National Seminar on **Use of Technical Terminology in Science and Technology**, organized by Commission for Scientific and Technical Terminology, ministry of Human Resource Development, Department of Higher Education, Government of India, Oct. 23- Oct. 24, 2019.
4. One week FDP on **“Challenges of Assuring Quality in Higher Education and Research”**, from July 02 – July 07, 2018, organized by IQAC, Shri Ramswaroop Memorial University, Lucknow-Deva Road, Barabanki.
5. One day **IP Awareness Programme on National IPR Policy 2016**, organized by Intellectual Property Office, India at Shri Ramswaroop Memorial University on Aug. 08, 2018.
6. 06 days FDP on **New Modes of Learning and Teaching in Higher Education**, organized by IQAC, Shri Ramswaroop Memorial University, July 10 - July 15, 2017.
7. 06 days FDP on **Quality Enrichment in Higher Education: Strategies towards Continual Improvements in Education System and R & D**, organized by IQAC, Shri Ramswaroop Memorial University, July 11- July 16, 2016.
8. 06 days FDP on **Effective Teaching-Learning Process**, conducted by Shri Ramswaroop Memorial University, July 6- July 11, 2015.
9. **Workshop on Electromanetics and Antenna Design (WEAD-2016)** using ANSYS HFSS conducted by IIT BHU on 9<sup>th</sup> and 10<sup>th</sup> of April 2016.
10. 06 days FDP on **Challenges and Issues in Higher Education**, conducted by Shri Ramswaroop Memorial University, June 30- July 04, 2014.
11. **Dale Carnegie** training workshop on **“High Impact Teaching Skills”** conducted by Wipro on 26<sup>th</sup> and 27<sup>th</sup> of October, 2009.
12. Workshop on **‘VLSI Design Tools’** conducted by Deptt. of Electronics Engineering IET Lucknow on 17-18 Nov. 2007.
13. Seminar on **‘Shaping Young Minds’** conducted by Lucknow Management Association, July 2007.

### **Online FDPs /Workshops/Webinars Attended**

1. One week online FDP on **“Issues, reforms and related guidelines for Higher Education Institutes”**, from Aug. 16 – Aug. 21, 2021, organized by IQAC, Shri Ramswaroop Memorial University, Lucknow - Deva Road, Barabanki.

2. One week online FDP on “**ICT Enabled Tools for Effective Teaching-Learning, Examination Processes in Higher Education**”, from June 16 – June 20, 2020, organized by IQAC, Shri Ramswaroop Memorial University, Lucknow-Deva Road, Barabanki.
3. Online one week FDP from May 11 – May 16, 2020 on ‘**R**’ organized by Birla Institute of Technology Mesra, Noida Campus in association with Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.
4. Online one week FDP from May 21 – May 26, 2020 on ‘**Scilab**’ organized by Pimpri Chinchwad College of Engineering, Nigdi, Pune in association with Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.
5. Online one week FDP from June 01 – June 06, 2020 on ‘**Scilab**’ organized by Integrated Intelligent Research (IIR), Chennai in association with Spoken Tutorial Project, IIT Bombay, funded by the National Mission on Education through ICT, MHRD, Govt. of India.
6. 02 Days online National Workshop on “Robotics and Control,” organized by Department of Electronics Engineering, Madhav Institute of Technology and Science, Gwalior on 16-17 May, 2020.
7. Online Webinar on “Relevance of IEEE Standards in Teaching, Learning and Industry Collaborations,” organized by EBSCO and IEEE India Services.
8. Online Webinar on “How To Publish a High Quality Technical Journal Paper,” organized by IEEE India Services.
9. Online Webinar on “Leveraging Technology in Education,” organized by TMH.
10. Online Webinar on “Python World,” organized by TMH.
11. Online Webinar on “Online Teaching-Learning & Assessment,” and “NAAC Accreditation Management System,” organized by Inpods.
12. One week online winter FDP on **Wireless and Mobile Communication** from 03-12-18 to 07-12-18 (in association with principal coordinating academy-IIT Guwahati and co-principal coordinating academy-NIT Patna, under Ministry of Electronics and Information Technology (MeitY)).
13. One week online winter FDP on **DSP and Sensors** from 10-12-18 to 14-12-18 (in association with principal coordinating academy-NIT Warangal and co-principal coordinating academy-MNIT Jaipur, under Ministry of Electronics and Information Technology (MeitY)).
14. One week online winter FDP on **AI and Machine Learning** from 17-12-18 to 21-12-18 (in association with principal coordinating academy-IIT Roorkee and co-principal coordinating academy-IIITDM Jabalpur, under Ministry of Electronics and Information Technology (MeitY)).

## **Certification Courses**

1. **Udemy Online Course-** Build Responsive Real-World Websites with HTML and CSS, (37.5 Hours), May 27, 2022.
2. **Udemy Online Course-** The Complete 2022 Web Development Bootcamp, (55.5 Hours), March 20, 2022.
3. **Publons (WoS)** Academy Practical Peer Review Certification Course, June 01, 2021.
4. **JCR-South Asia Training and Certification** Program 2020, organized by WoS: A Clarivate Analytics Company.
5. **E-Shodh Sindhu WoS** Certification Series, organized by INFLIBNET Center and Clarivate Analytics.
6. On-line self paced training course on **MATLAB Onramp**, organized by Mathworks Services.
7. E-learning Certification Program on Industry 4.0, organized by TATA Steel, Capability Development.
8. E-learning Certification Program on Machine Learning, organized by TATA Steel, Capability Development.
9. E-learning Certification Program on Advanced MS-Excel, organized by TATA Steel, Capability Development.
10. On-line Courses on E-Mail Writing, Resume Writing, Interview Skills, Presentation Skills, organized by TCSiON.

## **M.Tech. Dissertation Supervised**

1. Study and Design of Multi-band Microwave Patch antenna.  
(Mr. Shubham Chaudhry-201810104020801)
2. Study and Design of Wide-band Patch Antenna with DGS in C and X-band.  
(Mr. Kunal Upadhyaya-201610104010004)
3. Study and Design of Metamaterial Absorber for Application in X-band.  
(Ms. Farheen Fatima-201410104010004)
4. Study and Design of Metamaterial Absorber for Application in C-band.  
(Ms. Priyanka Pandey-201410104010001)
5. Modification of 406 MHz Emergency Locator Transmitter for Lower False Alarm Rate and better Probability of Activation.  
(Mr. Manish Kumar-201410104020801)
6. Noise Cancellation in Fetal Electrocardiography using Particle Swarm Optimization.  
(Ms. Komal Dixit-201410104010002)
7. Image Domain Steganography using LSB Replacement Method.  
(Mr. Bhagwant Singh-201310104010001)

8. Performance Analysis of Genetic Algorithm based LAS-CDMA Generation.  
(Mr. Mukesh Pal-201310104010002)
9. Performance Analysis of IDMA Scheme using Quasi Cyclic Low density Parity Check Codes.  
(Mr. Anurag saxena-201310104010004)
10. Non-iterative LDPC Codes Decoding by Syndrome generation using Artificial Neural Network.  
(Mr. Dinesh Kumar-201210104010001)

### **Awards and Honor**

1. **E-Learning Excellence Award**-2021 for use of ICT practices at Shri Ramswaroop Memorial University for academic session 2020-21 on June 18, 2022.
2. **Second best paper award** for paper presentation :  
**Alkesh Agrawal**, Ashutosh Singh, and Mukul Misra “A Dual Broadband Metamaterial Absorber with Concentric Continuous and Split Rings Resonator Structure,”presented in 3<sup>rd</sup> IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics organized by IIT(BHU), Varanasi, December 9-11, 2016.
3. **Second best paper award** for paper presentation:  
**Alkesh Agrawal**, Ashutosh Singh, and Mukul Misra “A Multiband Metamaterial Absorber using Concentric Circular Ring Shaped Structure”, presented in 10<sup>th</sup> International conference on Microwave Antenna, Propagation and Remote Sensing (ICMARS-14), organized by International Centre for Radio Waves, Jodhpur, India, December 09-12, 2014.
4. **Best Faculty Award** for academic year 2009-10 by SRM College of Engineering and Management.
5. **Appreciation Letter** for academic year 2008-09 by SRM College of Engineering and Management.
6. **Best Faculty Award** for academic year 2002-03 by SRM College of Engineering and Management.
7. **Suhrota Roy Memorial Scholarship** for securing highest marks in Physics and Maths in B.Sc.-I in yr. 1996.
8. **Malvea Memorial Scholarship** for securing highest marks in B.Sc.-I (PCM) in yr. 1996.
9. **Smt. Chandramani Agrawal Memorial Scholarship** for securing highest marks in Physics in B.Sc.-I & II, session 1997-98.
10. **Mitra Memorial Scholarship** for securing highest marks in Maths in B.Sc.-I & II, session 1997-98

11. **Ewing Christian College Gold Medal** for highest marks in B.Sc. (PCM/PSM/PEM group) 1995-98

### **Professional Memberships**

1. **IEEE** Professional Membership – 94966964
2. Member **IAENG**

### **Other Responsibilities**

#### Shri Ramswaroop Memorial University (2012 – till date)

- Officiating Director, Centre of Innovation, Incubation and Entrepreneurship, SRMU.
- Officiating Dean, Faculty of Electronics & Communication Engineering, SRMU.
- Faculty Co-ordinator, Faculty of Electronics & Communication Engineering, SRMU.
- Ex-officio Member, Board of Studies, FoECE, SRMU.
- Member, steering committee of IQAC, Criterion VII (Innovation and Best Practices).
- Member, Center of Energy Studies and Research, SRMU.
- Coordinator, Internal audit team, SRMU.
- Head Examiner, End Semester Examination (ESE), SRMU.
- Project coordinator
- Dissertation coordinator
- Head Observer, University Time Table, SRMU.
- Paper setter for End Semester Examination (ESE), SRMU.
- Time Table committee coordinator
- Coordinator Photography cell
- Coordinator Technical cell

#### Shri Ramswaroop Memorial College of Engineering & Management (2002 - 2012)

- ❖ Officiating HOD of EI Department.
- ❖ Deputed as **Center Controller for UP-SEE** in 2008 and 2009.
- ❖ **Center Coordinator** of M.Tech programme (UPTU) in the year 2008, 2009 and 2011.
- ❖ **Verifying Officer** for UPSEE-2011 Councelling.
- ❖ Time Table coordinator.

## **References**

### **Dr. Arun Prakash**

Assoc. Prof., Deptt. of ECE

MNNIT, Prayagraj

**9794008282**

[arun@mnnit.ac.in](mailto:arun@mnnit.ac.in)

### **Prof. (Dr.) Neelam Srivastava**

Head, Deptt. of ECE

IET, Lucknow

**9415508646**

[neelamsrivastava2001@yahoo.com](mailto:neelamsrivastava2001@yahoo.com)

Dr. Alkesh Agrawal