

SHOBIT AGARWAL

PERSONAL DETAILS

Father's Name : Mr. Mukesh Kumar Agarwal
Nationality : Indian
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Permanent Address : Gaurav Kunj", 39-A, Shastri Nagar, Medical Colony, Alwar (Raj) – 301001
Languages Known : English, Hindi and Punjabi.

ACADEMIC CREDENTIALS

Degree	Year	Board/University	Specialization	Percentage/CGPA
M. Tech.	2016	The LNM IIT, Jaipur	ECE	9.0
B. Tech.	2012	Rajasthan Technical University, Kota	ECE	70.27
Engg. Diploma	2009	Board of Technical Education, Jodhpur	Electronics	61.97
Secondary	2005	Board of Sec. Education, Rajasthan	General	78.67

PROFESSIONAL CREDENTIALS

- ⇒ **Qualified NET (National Eligibility Test) 2017** for the post of Assistant Professor.
- ⇒ **Qualified GATE 2017** with **36.92** Marks (AIR-5830 & 96%ile) and valid till March 2020.
- ⇒ **Qualified GATE 2013** with **43.67** Marks (AIR-6442 & 97.4%ile).

AWARDS and ACHIEVEMENTS

- ⇒ Awarded as "**Outstanding Scientist in Antennas and Microwave**" from World Research Council and IDAMAS Learning Center, Malaysia in November 2018.
- ⇒ Secured **All India Rank - 7** in NPTEL Certification course on "**Microwave Theory & Techniques**" offered by Prof. Girish Kumar, IIT Bombay during Aug-Oct'18.
- ⇒ Secured **All India Rank - 1** in NPTEL Certification course on "**MICROWAVE INTEGRATED CIRCUITS**" offered by Prof. Jayanta Mukherjee, IIT Bombay during Jul-Sep'17. ([Link to Certificate](#))
- ⇒ Secured **All India Rank - 1** in NPTEL Certification course on "**ANTENNAS**" offered by Prof. Girish Kumar, IIT Bombay during Jan-Apr'17. ([Link to Certificate](#))
- ⇒ Received Academic Excellence Award for securing highest GATE Score in my batch.
- ⇒ Member of **Academic Council** of The LNM IIT, Jaipur since July 2015.
- ⇒ **PG Senator** and Research Scholars' representative in **AC-PGC** in The LNMIIT Students' Gymkhana since 2015.
- ⇒ **PG Senator** in The LNMIIT Students' Gymkhana for Senate 2014 – 2015.
- ⇒ 1st prize in inter college English debate competition.
- ⇒ Team Leader as well as organizer in many of college cultural activities.
- ⇒ Declared as "**Person of the Year**" by Times Magazine in the year 2006.

CAREER GRAPH

- The LNM Institute of Information Technology, Jaipur (August 2016 – Present)**
 - ⇒ **Research Associate** in the Department of ECE under Prof. Raghuvir Tomar ([Profile Link](#)).

2. **The LNM Institute of Information Technology, Jaipur (July 2014 – May 2016)**

⇒ *Teaching Assistant* in ECE Department. Handled various labs viz: Communication Lab, Microprocessor Lab.

3. **MANAV CLASSES, ALWAR (August 2012 – July 2014)**

⇒ *Faculty member* in Electronics & Communication Department.

4. **MODERN INSTITUTE OF TECHNOLOGY AND RESEARCH CENTRE, ALWAR (July 2011 - May 2012)**

⇒ *Teaching Assistant* in Electronics & Communication Department.

5. **BALKRISHNA INDUSTRIES LTD., BHIWADI (July 2009 - Feb 2010)**

⇒ *DET (Diploma Engineer Trainee)* in Electronics Department.

INDUSTRIAL TRAININGS

⇒ HINDUSTAN ZINC LIMITED, DARIBA in Electronics & Instrumentation Dept. from 25 May 2012 – 24 July 2012.

⇒ CETPA INFOTECH PVT. LIMITED, NOIDA in Electronics & Communication Dept. from 11 May 2011 – 24 June 2011.

⇒ HINDUSTAN ZINC LIMITED, DARIBA in Capacitive Power Plant for Electricity Generation (CPP) Dept. from 27 July 2010 – 27 August 2010.

⇒ BHARAT SANCHAR NIGAM LIMITED, ALWAR in Broadband Department from 07 May 2007 – 31 May 2007. Techniques (WMSC) – 2015 held at The LNM IIT, Jaipur during January 2015.

PROJECTS UNDERTAKEN

⇒ Designing and implementation of Adder & Subtractor circuits in Quantum dot Cellular Automata.

⇒ Performance Improvement of DS-CDMA System with Successive Interference Cancellation Receiver.

⇒ OFDMA Simulations on GNU Radio.

⇒ Alcohol Detector Based Car Ignition System.

⇒ Microcontroller Based Clapper Switch.

⇒ Electronic Metal Detector.

PUBLICATIONS

➤ **Journal Articles**

⇒ **Agarwal, Shobit**; Garg, Rahul K and Tomar, Raghuvir, "C-Band Microstrip Band Pass Filter Design", *International Journal of Research in Advent Technology (IJRAT)*, Volume 6 Issue 7, pp.1777 – 1783, July 2018. **(Impact Factor: 5.153)**

⇒ Garg, Rahul K; **Agarwal, Shobit** and Tomar, Raghuvir, "Multi-Band Rectangular Patch Antenna with F-type Defected Metal Structure", *International Journal of Research in Advent Technology (IJRAT)*, Volume 6 Issue 7, pp. 1784-1788, July 2018. **(Impact Factor: 5.153)**

➤ **Conference Proceedings**

⇒ Rafique, Umair and **Agarwal, Shobit**, "A Modified Frequency Selective Surface Band-Stop Filter for Ultra-Wideband Applications", *Proceedings of 7th ICACCI, Bengaluru (INDIA)*, pp. 1653-1656, September 2018.

⇒ **Agarwal, Shobit** and Tomar, Raghuvir, "A Newly Proposed Multi-Band Rectangular Patch Antenna with Defected Ground Structure" *Proceedings of 39th Progress in Electromagnetic Research Symposium (PIERS 2017)*, Singapore, pp. 31-36, Nov. 2017.

⇒ Sengar, Aditya S., **Agarwal, Shobit** and Jain, Arihant, "OFDMA Simulations on GNU Radio", *proceedings of Workshop on Modeling, Simulation and Computational Techniques, January 2015.*

SOFTWARE SKILLS

➤ **RF/ Antenna Simulation Software:**

- ⇒ Ansys HFSS
- ⇒ CST Microwave Studio
- ⇒ Advanced Design System
- ⇒ NI AWR (**Beginner**)

➤ **Programming Tools:**

- ⇒ MATLAB

➤ **Other Skills:**

- ⇒ Familiar with hardware tools viz. Vector Network Analyzer, Spectrum Analyzer, Signal Generator etc.
- ⇒ Experienced hardware designer and troubleshooter

DECLARATION

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

Date :

[SHOBIT AGARWAL]

Place :