

Dr. Atul Makrariya

Associate Dean Academic & Associate Professor

M.Tech. (Telecomm) Ph.D. (Electronics)

PERSONAL INFORMATION



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Uttar Pradesh-208001

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🔗 <https://scholar.google.co.in/citations?hl=en&user=29q9mksAAAAI>

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🌐 <https://www.linkedin.com/in/atul-makrariya-70b01845/>

02-July-1975



Date of Birth

PERSONAL GOALS:

- To teach students Electronics engineering, Microwave engineering, EMFT & Communication engineering
- To conduct research and scholarly activities in the areas of designing of microstrip filters
- To serve the institution and my profession to the fullest possible extent either as faculty, researcher or an administrator and to be a meaningful contributor to the larger community

TEACHING EXPERIENCES:

Sixteen years (for details see academic employment)

ACADEMIC / ADMINISTRATIVE EMPLOYMENT:

- **January, 2020 To present position:** *Kanpur Institute of Technology, Kanpur*
Associate Dean Academic & Associate Professor ECE
Responsibilities include designing and directing academic affairs of the institute. Manage the day to day academic activities of the college including teaching & research activities. Maintained academic standards that are expected by our students, faculty & accrediting agencies.
- **February 2018–December 2019:** *Bhabha Institute of Technology, Kanpur*
Assistant Director & Associate Professor ECE
Responsibilities included directing and coordinating administrative activities of the Institute
- **January 2014 – December 2017:** *Sri Rawatpura Sarkar Group of Institutions Datia, M. P.*
Head Electronics & Communication Engineering
Responsibilities included teaching & development of labs, organize Industrial visit for students
- **February 2010 – July 2013:** *Sanjay Institute of Engineering & Management, Mathura, U.P.*
Assistant Professor, ECE & Head EN
Responsibilities included Teaching and coordinating administrative activities of the Institute
- **August 2008 – January 2010:** *Aryan Institute of Technology, Ghaziabad, U.P.*
Head ECE,
Responsibilities: Founder member & develop labs for Ist & 2nd Year.
- **January 2001 – July 2008:** *Bundelkhand University, Jhansi*
Lecturer & Coordinator, Electronics,
Responsibilities included Teaching and coordinating administrative activities of the department. Frame ordinance & syllabus for UG & PG Courses. Member of BOS.

ACADEMIC QUALIFICATION:

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|---|--|
| 1. Ph.D. (Electronics) -2019 | Rani Durgawati University, Jabalpur, M.P.
Thesis Title: Design Analysis and simulation of Microstrip filters for improved frequency response |
| 2. Master of Technology (M. Tech.) -2007 | Rajiv Gandhi Technical University, Bhopal
Thesis Title: PCF in the region of high traffic areas & its effect on network performance |
| 3. Master of Science (M.Sc.) Electronics-1998 | Jiwaji University Gwalior |
| 4. Bachelor of Science (B.Sc.)Electronics -1996 | Jiwaji University Gwalior |
| 5. Higher Secondary (12th) P.C.M- 1993 | M.P. BOARD BHOPAL |
| 6. High School (10th)-1990 | U.P. BOARD ALLAHABAD |

PROFESSIONAL MEMBERSHIP:

- | | |
|--------------|------------|
| IETE (India) | M-228080 |
| IE(India) | AM100461-4 |

WORKSHOP / FDP / WEBINAR ORGANIZED:

1. Convener of Dr. A.P.J. Abdul Kalam Technical University sponsored FDP, 24th Nov. To 28th Nov. 2020. link: <https://fdp.aktu.ac.in/recent-trends-in-microwave-engineering-its-industrial-application/>.
2. Convener of webinar, IOT & its securities issues, 29th May-2021, Kanpur Institute of Technology, Kanpur
3. Convener of webinar, Science & Communication Technology through OTT platform, 22nd, may-2021, Kanpur Institute of Technology, Kanpur
4. Convener of Two day E-Workshop MENDELEY- Reference Management Software, Kanpur Institute of Technology (KIT), Kanpur from 11th to 12th June 2020.
5. Convener of One day workshop on VLSI technology at SIEM, Mathura in collaboration with DUCAT, Noida, dated 17th October 2012.
6. Worked as a Joint Secretary in the 13th National Symposium on Ultrasonic 2004 BundelkhandUniversity, Jhansi from December 21-23, 2004.

INVITED TALK / SESSION CHAIRED:

1. Expert talk on "Basics of Microwave Engineering" at Buddha Institute of Technology, Gorakhpur, 10th July 2021.
2. Chaired a session in National Conference "NC4IPS ", organized by Kanpur Institute of Technology, 25th – 26th, march-2020.

TECHFEST ORGANIZED:

Convener of TECHFEST – 2013 “RUBARU” at SIEM, Mathura.

REFRESHER COURSE ATTENDED:

1. Attended refresher course on “Implementation of NEP-2020, March, 17-23, 2021, Bundelkhand University, Jhansi
2. Attended UGC sponsored refresher course, March, 07-30, 2003, Bundelkhand University, Jhansi.

PAPER PRESENTED IN CONFERENCES:

1. Different Software tools comparative study for Microstrip components design, *National Conference on Computing, Communication, Control, Informatics & Pharmaceutical Sciences*, March 6th – 7th, 2020, Kanpur Institute of Technology, Kanpur
2. Microstrip Interdigital Bandpass Filters: Design analysis, *National conference on Recent Advances In Communication Engineering*, March 4th – 5th, 2016, MITS Gwalior M.P.
3. Design and Analysis of a 5-pole Interdigital Band-Pass Filter at 2.4GHz, 2015, *IEEE - International Conference on Communication Networks*, 19th– 21th November, 2015, ITM University Gwalior.
4. PCF in the region of high traffic area and its effect on network Performance, *CONIAPS 'IX'*, Feb, 3rd-5th, 2007, Dr. B.R. Ambedker University, Agra.
5. “The Role of Fiber Optics in Telecommunication & I.T.”, *CONIAPS- V, Interdisciplinary trends in Physical Sciences & The role of IT*, April 7th – 9th, 2002 Bundelkhand University, Jhansi.

PUBLICATION:

1. Pradeep Kumar, **Atul Makrariya**, “Three pole stepped impedance lowpass filter design analysis & simulation using Microstrip for L band frequency 1 G Hz” , Dogo Rangsang Research Journal, ISSN : 2347-7180, Vol-11 Issue-09, pp.44-49, September 2021.
2. **Atul Makrariya**, Rahul Makrariya, P. K. Khare , “Different Software Tools Comparative Study for Microstrip Components Design”, conference proceeding- National Conf. on Computing, Communication, Control, Informatics & Pharmaceutical Sciences, INSC Publishing House, pp.180-184, ISBN:978-1-954461-43-7, (2021).
3. Osheen Siddiqui, **Atul Makrariya**, “Analysis of linear MIMO detection techniques for 5G massive MIMO under spatial correlated channel”, International Journal of Advanced Research and Technology, ISSN: 2347-7490 Volume 8, Issue 1, pp.01-06, 2020.
4. Osheen Siddiqui , **Atul Makrariya**, “Carrier frequency offset estimation & compensation in 5G NR tapped delay line models”, International Journal of Advanced Research and Technology, ISSN: 2347-7490, Volume 8, Issue 1, pp.07-11, 2020.
5. **Atul Makrariya**, P.K. Khare, “ A Compact Design and Simulation of Low pass Microwave Filter on Microstrip Transmission line at 2.4 GHz”, International Journal of Management, IT and Engineering, ISSN: 2249-0558, Vol. 7, issue 7, pp. 468-474, July – 2017.

6. **Atul Makrariya**, P.K. Khare, "*Five Pole Optimum distributed high pass Microwave Filter Design analysis and Simulation on Microstrip at 2.4 GHz*", Intern. Journal of Engineering Science & Research Technology, ISSN: 2277- 9655, Volume 5, Issue 8, pp. 934-938, August -2016.
7. **Atul Makrariya**, P.K. Khare, "*Microstrip Interdigital Bandpass Filters: Design analysis*", International Journal of Scientific & Engineering Research, ISSN: 2229-5518, Vol.7, Issue 3, pp. 702 – 705, March-2016.
8. **Atul Makrariya**, P.K. Khare, "*Design and Analysis of a 5-pole Interdigital Band-Pass Filter at 2.4GHz*", IEEE xplore Digital Library,978-1-5090-051-7/15/ IEEE, DOI 10.1109/ICCN.-2015.19, pp.93– 96, 2015.
9. **Atul Makrariya**, P.K. Khare, "*Design study of recent techniques for microstrip filters: An analysis*", Journal of emerging Technologies & Innovative research, ISSN: 2349-5162, Vol. 1,issue 7, pp. 644-650, Dec – 2014.
10. **Atul Makrariya**, S. K. Jaiswal. Rahul Makrariya, "*PCF in the region of high traffic area and its effect on network Performance*", International journal of engineering science & research, ISSN: 2230-8504, e-ISSN-2230-8512, Vol. 03, Issue 03, July 2012.

WORKSHOP/ FDP /SEMINAR ATTENDED:

1. Effective and Efficient Online Teaching in the Age of Corona, A Hands on e-Workshop on Teaching Learning Centre (ICT) at IIT Bombay, 16th May2020.
2. Effective and Efficient Online Teaching in the Age of Corona, A Hands on e-Workshop on Teaching Learning Centre (ICT) at IIT Bombay, 16th May2020.
3. One week FDP on "Design and manufacturing of Antenna & Electronic Simulation System", host by Bundelkhand University Jhansi under AICTE - TEQIP-3, 29th July - 2nd August 2019.
4. One week e-FDP on Machine learning & application, SIRTS, Bhopal, 18th -23th, May-2020.
5. One week e- FDP organized by TPIIC / CRC , SAGE University Indore, 11th -16th May -2020.
6. Workshop on Planar Microwave Circuit design, SIET, Mathura, 24th & 25th, March-2012.
7. Workshop on advances in planar antenna, GLA University, Mathura , 7th & 8th, April-2012.
8. Workshop on advances in Microwave Communication, BIET, Jhansi, 6th & 7th, Dec-2007.
9. Workshop on water pollution & conservation, BBC,Jhansi, 12-13, January, 2008.
10. Two days workshop on Nanotechnology, Bundelkhand University, Jhansi (U.P.), March 2008.
11. Vth conference of the International academy of physical sciences on Interdisciplinary trends in physical Sciences & The role of IT & its Implication, Bundelkhand University, Jhansi, from April 07- 09, 2002.
12. 19th National Symposium on Plasma Sc.& Technology, Bundelkhand University, 2004.
13. 13th National Symposium on Ultrasonic 2004, Bundelkhand University, Jhansi, 2004.
14. Seminar on "Inter University Accelerator Center Acquaintance Program" held at S.O.S. Electronics, Jiwaji University Gwalior (M.P.) on August 26, 2005.
15. Attended one day seminar on "Nanotechnology", held at S.O.S. in Electronics, Jiwaji University,Gwalior (M.P.),2006.

PROFESSIONAL/ DEPARTMENTAL ACTIVITIES:

1. Coordinator 13th Convocation, Kanpur Institute of Technology, Kanpur, February-2021.
2. Coordinator, AKTU funded one week Faculty development Program, November-2020
3. M. Tech Coordinator (EC Department), Kanpur Institute of Technology, Kanpur, 2020-21.
4. Lab Coordinator (EC Department), Kanpur Institute of Technology, Kanpur, 2020-21.
5. Internal Marks coordinator (AKTU, Lucknow), KIT, Kanpur, session 2020-21.
6. Industrial visit coordinator, Bhabha Institute of Technology, Kanpur (2019-20).
7. Academic coordinator EC Department, SRITS - Datia - Madhya Pradesh, (2014-15).
8. Member of Proctorial board, Sanjay Institute of Engineering & Mgmt., Mathura, (2010 - 2013).
9. Website coordinator, Aryan Institute of Technology, Ghaziabad, (2008-2010).

INTERESTS and ACTIVITIES:

1. Organize seminars / FDP/ Workshops.
2. Project & Dissertation work.

ADMINISTRATIVE & OTHER ACTIVITIES:

1. Associate Dean Academic, Kanpur Institute of Technology, since December 2020.
2. Head ECE, Kanpur Institute of Technology, May-2020 to December 2020.
3. Assistant Director, Bhabha Institute of Technology, February-2018 to December-2020.
4. Head, (ECE), Shri Rawatpura Sarkar Institute of Tech. & Sciences, Datia, JAN., 2014 – 2017.
5. Head, Electronics & Electrical Engineering (EEE), Sanjay Institute of Engineering & Management (SIEM), Mathura, from July- 2010 to June- 2011.
6. Head (ECE), Aryan Institute of Technology (A I T), Ghaziabad (2008-2010).
7. Convener Proctorial Board, AIT, Ghaziabad.
8. Convener Admission Cell, AIT, Ghaziabad.
9. Convener Examination Cell, AIT, Ghaziabad.
10. Coordinator, Department of Electronics, Institute of Bundelkhand University Jhansi, from September 03, 2003 to September 09, 2004.

EXTRACURRICULAR ACTIVITIES:

1. Appointed as Proctor by AKTU Lucknow for end semester online examination, July-2021.
2. Appointed as an External Observer Lucknow center, in CTET by NTA Delhi, July 2020.
3. Appointed as an External Observer at Jhansi center, in CTET by CBSE Delhi, July 2019.
4. Appointed as Center Controller at Etawa center by MMTU, Noida, UPSEE- 2011.
5. Appointed as Center Controller Delhi by U.P. Technical University, Lucknow, UPSEE- 2008.
6. Appointed as an Observer at Allahabad center, in CPMT - 2002 by Bundelkhand Univ. Jhansi.
7. Appointed as an External Observer at Allahabad center, in B.Ed Entrance examination 2003 & 2005 by Bundelkhand University Jhansi (U.P.).
8. Member of Board of Studies of Master degree courses in Electronics & Applied Physics, Bundelkhand University Jhansi (U.P.), during 2002-2007.
9. Appointed as a Paper setter & External practical Examiner of various Universities.

SUBJECT TAUGHT:

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| 1.1st Year Undergraduate: | Basic Electronics Engineering, Emerging domain in Electronics engineering |
| 2.2nd Year Undergraduate: | Electronic devices & Circuits, Principle of Communication, EMFT |
| 3.3rd Year Undergraduate: | Microwave Engineering, Digital communication, Mini project |
| 4.4th Year Undergraduate: | ICT, Radar Communication, Major Project |

LANGUAGE KNOWN:

- | | |
|-------------|---------------------|
| 1. HINDI- | Mother tongue |
| 2. ENGLISH- | Read, Write & Speak |

REFERENCES:

1. Dr. Deepak Nagaria, Professor, Department of Electronics and Communication Engineering, Bundelkhand Institute of Engineering & Technology, Jhansi U.P.
2. Prof. P.K. Singhal, Electronics & Comm. Engineering, MITS (Govt. Engineering College) Gwalior.
3. Prof. Nilendra Badal, Director, Government Engineering College, Bijnor, U.P.
4. Prof.P.K. Khare , Department of PG research in Electronics, Rani Durgawati Univ. Jabalpur, M.P.

DECLARATION:

I hereby declare that the above-mentioned facts are true to the best of my knowledge.

Sincerely,



(Dr. ATUL MAKRARIYA)

Department of Electronics and
Communication Engineering, Kanpur Institute
of Technology, Kanpur-208001, (U.P.)