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More than 24 Year.,
 Subjects/Courses Taught: **UG (B.Tech)**: Soft Computing Techniques, Microprocessor and its Application, Microcontroller, Basic Electronics, Digital Electronics, Electronics Measurement and Instrumentation, Industrial Instrumentation, Digital System Design, Python,
PG (M.Tech): Soft Computing Techniques, Artificial Neural network & Fuzzy Logic, Python Programming
Diploma: Python, Digital Electronics, Microprocessor

Honors & Awards

Reviewer of IEEE conferences.
 Reviewer of International Journal of Electronics, UK.
 Reviewer of International Journal of Antenna and Propagation, Singapore
 Dr S Radhakrishnan Best Teachers Award 2021

Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)	02	Research Papers Published in International Journals	14	Papers Presented in Seminars/ Conferences	5	Seminars/ Conferences Organized		Research Projects (Completed)	2
Books (Co-authored)	01	Research Papers Published in Other Journals		Seminar/ Conferences Attended		Workshops Organized	02	Research Projects (Ongoing)	
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.		Sessions Chaired in Seminars/ Conferences	2	Membership of Academic/ Professional Bodies	4	Foreign Countries Visited for Academic Assignments	
Chapters in Edited Books	15			Resource Lectures Delivered					

Details of Publications /Academic Activities

Books / Monographs

<u>Year of Publication</u>	<u>Title</u>	<u>Publisher</u>	<u>ISBN</u>	<u>Co-Author (s) (if any)</u>
2017	Fundamentals of microprocessor, Interfacing and applications	Lulu Publication	978-1-387-53969-7	No
2019	Soft computing Techniques and applications	Kindle publishing	979-8-492-53637-4	No
2022	Deep Learning with Python	Haiyagrev Publications	978-81-955121-1-9	03

Papers Published in Indexed/ Peer Reviewed Journals

<u>Year of Publication</u>	<u>Title</u>	<u>Journal</u>	<u>ISSN/ Indexing</u>	<u>Co-Author (s) (if any)</u>
See Annexure				

Seminar/Conference Presentations

See Annexure

International / National Patent

1. Digital voltage tester, Patent Design no. 358408-001; Date 11/02/2022 (Indian Patent)
2. IOT based face mask detecting and body temperature measuring device, Patent no. 371865-001; Date:30/11/2022 (Indian Patent)

Seminars/Conferences/Workshops Organized

1. One-Week Workshop on Embedded IOT System Design Using MATLAB and Simulink from 19th Oct to 25th Oct-19
2. One-week national e-workshop on “Technological Tools and their management in online teaching” from 14-21 Aug-2020.

Memberships of Academic/Professional Bodies

Member of IEEE–Neural Network Society
Life Member of ISTE
Indian History Congress
Life Member of IETE

Projects (With Title, Year, Grants, Funding Agency and Collaborations)

- 1- TPEQIP-III, MHRD, GOI World Bank Project, Grant Award Number TEQIP3/MRPSG/01 (2 Lacs)
- 2- National Project Implementation Unit (NPIU), GOI World Bank Project (Rs, 14 lacs 30 Thousands)

Administrative Positions/Assignments Held

Member Academic Council, MJPRU, Bareilly
Deputy Director, CDOE, MJPRU Bareilly
Assistant Dean Student Welfare (ADSW) MJPRU Bareilly
Assistant Proctor MJPRU, Bareilly
Academic Co-Ordinator, FET, MJPRU Bareilly
Examination Incharge, FET, MJPRU Bareilly
Co-ordinator & Member of BoS, Department of EI Engineering, MJPRU Bareilly
Student Advisor, Department of EI Engineering, MJPRU Bareilly
Incharge, Microprocessor, Microcontroller Lab, Department of EI Engineering, MJPRU Bareilly

Workshops/Orientation /Refresher/Short term course Attended

Attended 6 days international FDP on Recent Trends in Electrical Engineering & Application (8-13 Aug-2020) organized Deptt of EE Engg MJPRU Bareilly.
Attended national level Webinar on “Assessment & Accreditation Process of NAAC” organized by NAAC, Bengaluru and MJPRU Bareilly (18th July 2020).
Attended one week online FDP under SAGE Summer School on Machine Learning and Application (18-23 May-2020) organized by sagar Institute of research & Technology, Bhopal MP

Attended workshop on “Embedded IOT System Design Using MatLab and Simuink” conducted by NIELIT Gorakhpur (21 Oct 2019 to 25 Oct 2019}

Attended workshop on IPR, Issues in Science and technology (IPR IST-2018) at MJPRU Bareilly

Attended one month Refresher program from “Academic Staff College IIT Dhanbad (ISM Dhanbad) on 25th December 2016 to 24th January 2017.

Attended one month orientation Program (OP-122) from “Academic Staff College Lucknow University Lucknow ” on 1st December to 31st December 2015.

Attended one week Faculty Development Program on “Matlab and Simulink Programming” organized by Department of CSIT, FET, MJP Rohilkhand University Bareilly in collaboration with NIELIT Gorakhpur (Ministry of Communication and IT, Govt. of India, New Delhi) from 4th Feb. to 8th Feb. 2014.

Attended Two week Faculty Development Program on “RF and Microwave Engg. With Emphasis on Hands-on Lab Exercise” conducted at ‘Ambedkar Institute of Technology’ sponsored by AICTE, MHRD, Govt. of India from 14th june to 26th june 2010.

Attended 1 (one week) Short term program in 20-02-2012 to 24-02-2012 on ANN and Fuzzy logic at NITTTR CHD.

Attended 1 (one week) Short term program in 2010.

Attended 1 (one week) Short term program in 2009.

Attended 2 (each one week) Short term program in 2007.

Attended 1 (one week) Short term program in 2006.

Attended 2 (each one week) Short term program in 2005.

Attended 2 (each one week) Short term program in 2004.

Annexure

INTERNATIONAL / NATIONAL JOURNALS, CONFERENCES, SYMPOSIUM

1. Karthick, S., Adaikalaraj, R., Babu, B.H, B. Gayathri, Rakesh Kumar Maurya,. Optimization of friction stir welding parameters for dissimilar AA1100 and A356 alloys using Taguchi–CRITIC–EDAS methods. *Interactions* **247**, 141 (2026). <https://doi.org/10.1007/s10751-026-02490-1>, pp. 1-17, 2026
2. P. Consul, N. Joshi, V. Vishnoi and R. K. Maurya, "Triple Band CSSRR Inspired Microstrip Patch Antenna Using L-Slot DGS For Wireless Applications," *2024 International Conference on Integrated Circuits, Communication, and Computing Systems (ICIC3S)*, Una, India, 2024, doi: 10.1109/ICIC3S61846.2024.10602991.
keywords: {Antenna measurements;Wireless LAN;Patch antennas;Resonant frequency;Microstrip antennas;WiMAX;Microstrip;Microstrip Patch Antenna;DGS;Meta-materials}.pp: 1-6, 2024
3. **Rakesh K. Maurya**, Binod Kumar Kannaujia, Ajay K. Maurya, and Ravi Prakash, “Design of DGS Compact UWB Antenna for C-, X-, Ku- and Ka- Band Applications Using ANN and ANFIS Optimization Techniques”. Springer Nature Proceedings of first international conference on computational electronics for wireless communications (ICWC-2021), volume 329 pp. 1-11, 2021
4. Vibor verma, Pramendra Kumar Verma, **Rakesh Kumar Maurya**, **Sumit Srivastav**, and Inderpreet Kaur, “Design & Simulation of low-profile wide band circularly polarized patch antenna” proceedings of 2021 IEEE Indian conference on Antenna and Propagation (InCAP-2021), on 13 – 16 Dec-2021, pp. 208-211, 2021
5. Sudhanshu Maurya, Suyash Binod, **Rakesh Kumar Maurya**, “Analysis of cooling on photovoltaic module” proceedings of ICAEST-2021, 3rd Conference on 21st – 22nd May-2021. pp. 233-237, 2021

6. Reena Pant, Pradyot Kala, **Rakesh Kumar Maurya** "A miniaturized multi band pass filter using defected ground structure" proceedings of ICAREMIT-2020, ISBN 978-81-933433-9-5 on 1-3 february-2020, pp. 31-33, 2020.
7. Abhinav Saxena, Sudhanshu Maurya, **Rakesh Kumar Maurya**, Anil Kumar Singh "Smart Grid in Distributed System: A Review" proceedings of ICAREMIT-2020, ISBN 978-81-933433-9-5 on 1-3 february-2020, pp. 31-33, 2020.
8. **Maurya RK**, Kanaujia BK, Gautam AK, Chatterji S, Singh AK. Circularly polarized hexagonal ring microstrip patch antenna with asymmetrical feed and DGS. Microw Opt Technol Lett. pp. 1-7, 2019.
9. **Rakesh Kumar Maurya**, B.K. Kanaujia, A.K. Gautam, S. Chatterji and S. Kumar, "ANN & ANFIS model for design of triple band DGS triangular ring MSA," proceedings of 13th INDIACom, INDIACom-2019 IEEE Conference on 13th – 15th march. pp. 625-631, 2019
10. **Rakesh Kumar Maurya**, B.K. Kanaujia, A.K. Gautam, S. Chatterji and A.K. Singh, "del of wide-band microstrip line-fed antenna with defected ground structure," International science press, IJCTA, Vol. 9, pp. 289-295, 2016.
11. **Rakesh Kumar Maurya**, B.K. Kanaujia, A.K. Gautam, S. Chatterji and S. Kumar, "An ANN-based model and design of single-feed cross-slot loaded compact circularly polarized microstrip antenna," IPASJ, international journals of electro. & communi., Vol. 4, pp. 1-7, 2016.
12. **Rakesh Kumar Maurya**, B.K. Kanaujia, A.K. Gautam, S. Chatterji and A.K. Singh, "ANN and ANFIS model for optimization of physical parameter of annular ring slot antenna with truncated corners," IEEE Int. Conf. ID: 40353, proceedings of the 11 INDIACom-2017, BVICAM, New Delhi, pp. 7190-7195, 2017.
13. **Rakesh Kumar Maurya**, B. K. Kanaujia, A. K. Gautam, S. Chatterji and A. K. Singh, "Design of compact UWB antenna for C, X, Ku and Ka-Band application using ANN and ANFIS optimization techniques" communicated in "Wireless Network -Springer".
14. **Rakesh Kumar Maurya**, B. K. Kanaujia, A. K. Gautam, S. Chatterji and A. K. Singh, "ANN and ANFIS Model and Design of Triangular Ring Microstrip Antenna for different Applications" communicated in AEU.
15. **Rakesh Kumar Maurya**, B. K. Kanaujia, A. K. Gautam, S. Chatterji and A. K. Singh, "Circularly polarized hexagonal ring microstrip patch antenna with asymmetrical feed and DGS" Communicated in "Wireless personal communications-Springer".
16. **Rakesh Kumar Maurya**, Ajay Kumar Maurya, R. K Singh, Artificial Neural Network Model for Analysis Of Elliptical Microstrip Patch Antenna, International Journal of Research in Engineering & Technology, (ISSN:2321-8843, I.Factor-1.3268, ICV:3.00), vol.6, pp. 459-463, Mar. 2014.
17. Ritu shakya, Kritika rajanwal, Sanskriti patel, **Rakesh Kumar Maurya**, Optimization and Designing of PID, Fuzzy and PID-Fuzzy Controller, International Journal of Scientific and Research, (ISSN: 2229-5518, I. Factor: 1.4),vol.5, pp. 2040-2048, Jan. 2014.
18. Ritu Shakya, **Rakesh Kumar Maurya**, Sanskriti Patel, Comparative Analysis of PI, PID and Fuzzy Logic Controller for Speed Control of DC Motor. International Journal of Engineering Research & Technology, (ISSN:2278-0181, I.Factor: 1.05), vol.3, pp. 1319-1324, Jan. 2014.
19. **R. K. Maurya**, Binod K. Kanaujia, A. K. Singh and A. K. Gautam, "Rectangular Microstrip Antenna Symmetrically Loaded With IMPATT Diode," International Conference On Radio Science (ICRS-2008), International Centre For Radio Science, Jodhpur, February 2008, pp.112-115.
20. Binod K. Kanaujia A. K. Singh, **R. K. Maurya** and Indera Preet Kaur, "Frequency Agile Annular Ring Microstrip Antenna Loaded With IMPATT Diode," International Conference on Wireless, Mobile and Multimedia Networks, IET, Bombay, January 2008.

21. Binod K. Kanaujia, A. K. Singh, **R. K. Maurya** and Siva Jiaswal, "Concentric Annular Ring Microstrip Antenna Array," "International Conference on Wireless, Mobile and Multimedia Networks, IET, Bombay, January 2008.
22. A. K. Singh, Binod K. Kanaujia, **R. K. Maurya** and B. R. Vishvakarma, "Frequency Agile Microstrip Antenna," National Seminar ACST, SRMS-Bareilly, 15th April 2007, pp. 67-72.
23. A. K. Singh, Binod K. Kanaujia and **R. K. Maurya**, "Frequency Agile Annular Ring Microstrip Antenna Symmetrically Loaded With MOS Capacitor," International Conference On Radio Science(ICRS-2008), International Centre For Radio Science, Jodhpur, February 2008.
24. **R. K. Maurya**, A. K. Singh, Binod K. Kanaujia, Brahm Deo Yadav and Ritu Rani, "Wireless Home Security & Teleguard System," International Conference on Wireless, Mobile and Multimedia Networks, IET, Bombay, January 2008.
25. Brahm Deo Yadav, A. K. Singh and **R. K. Maurya**., "Microcontroller based Position Indicator on Rail Track in Track Monitoring System," Challenges for Railway Transportation in Information Age, International Conference on Railway Engineering (ICRE-2008), Hong-Kong, China,
26. Brahm Deo Yadav, A. K. Singh, P. S. Shukla, **R. K. Maurya** and Ritu Rani, "A Microprocessor Based System for Instantaneous Display of Radiator and After Cooler Effectiveness of Rail Engine," Challenges for Railway Transportation in Information Age International Conference On Railway Engineering (ICRE-2008) Hong-Kong, China,
27. **R. K. Maurya**, Ravi sanker, Abhishek, Fuzzy inference system for analysis of circular microstrip antenna, IEEE, Int., Conference. DOI 12.2022/ICMIRA, 2011
28. **R. K. Maurya**, Vijay, S. Mishra, N. Chaudhary and D Kumar, Model for calculation of patch radius of circular microstrip antenna using artificial neural network, IEEE Int. Conf. DOI 10.1109/ICMIRA, 39(2013), 167-173.
29. **R. K. Maurya**, Brahm Dev yadav, Mukesh Rai and, Rajeev Verma, "Expert/Home Security Wireless System," National Conference On "Recent Advances and Trends in Electrical Engineering (RATE)"NITTTR,Chandigarh, February 13-14,2008.
30. **R. K. Maurya**, A.K.Singh, Mukesh Rai and Rajeev Verma, "Power Line Carrier Communication" National Conference On "Recent Advances and Trends in Electrical Engineering (RATE)"NITTTR,Chandigarh, February 13-14,2008.
31. **R. K. Maurya**, A. K. Singh and Indera Preet Kaur, "Optimization Techniques for Maze Solving" National Conference on "Wireless Sensor Network" National Seminar ACST, SRMS-Bareilly, 5th April 2009.

Signature of Faculty Member