



RITESH SACHAN

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Objective :

To work in a well managed organization where I can enhance my skills and properly use them to benefit the organization.

Experience

- **Harcourt Butler Technical University, Kanpur**
Position Title : Guest Faculty
Department : Electronics Engineering
Duration : 20/Jan/2025 to till date

- **Kashi Institute of Technology, Varanasi, U.P.**
Position Title : Assistant Professor
Department : Electronics & Communication Engineering
Duration : 15/July/2024 to 19/Jan/2025

- **Dr. Ambedkar Institute of Technology for handicapped, Kanpur, U.P.**
Position Title : Guest Faculty
Department : Electronics Engineering
Duration : 20/July/2016 to 24/October/2017

- **Uttar Pradesh Textile Technology Institute (UPTTI), Kanpur, U.P.**
Position Title : Guest Faculty
Duration : 25/Jan/2016 to 15/June/2016

- **Softgains Technologies Greater Noida, U.P.**
Position Title : Network Support Engineer.
Duration : 09/Aug/2010 to 21/Dec/2012.

Technical Skills :

Having sound Knowledge of the following subjects:

- Electronics Measurement and Instrumentation
- Antenna
- Electromagnetic Field Theory
- Digital Electronics
- Automatic Control System
- Network Theory
- Electronic Devices
- Signal & System
- Digital Signal Processing, etc

Computer Skills :

- Language : Basic Knowledge of C.
- Softwares : IE3D 9.0/ IE3D 15, MATLAB, MS-Office, Adobe package.
- Platforms : Windows 9X/2000/XP/Vista/7/8/10/11, Windows Server2003.

Hobbies:

- Reading books.
- Doing innovative study.
- Playing chess& cricket.
- Watching cricket.
- Cooking.
- Software testing

Ph.D. Thesis topic:

- “Increase the Bandwidth of Microstrip antenna using Photonic Band Gap Structure”

Projects:

- Fabrication of thin film gas sensor of based on Tin Oxides nanoparticles (M.Tech. project)

- **Automatic Gun Control (B.Tech. project)**

Training& Seminar:

- Participated in five days **FDP on Intelligent Computing Techniques and its Engineering Applications (ICTEA-2025)** (06/01/2025 to 10/01/2025)
- Participated in one week **FDP on Evolution of Generative AI-Past, Present and Future** (19/08/2024 to 24/08/2024)
- Participated in one week **Outcome-based Education and Advanced Research in Electrical Engineering (OBEAREE 2024)** (12/08/2024 to 17/08/2024)
- Participated in one week **FDP on Current trends in Electronics & Communication Engineering.** (24/12/2019 to 28/12/2019)
- Participated in two-day **workshop on Outcome Based Education and Accreditation (OBEA-19).** (11/12/2019 to 12/12/2019)
- Participated in two-day **workshop on Decoding the startup Journey & Ecosystem.** (11/12/2019 to 12/12/2019)
- Attended a workshop on **Linear Integrated Circuits: A Systems Approach** under the **Texas Instruments India University Program.** (27/01/2017 to 29/01/2017)
- Attended a workshop on **Embedded System Design using MSP430** under the **Texas Instruments India University Program.** (24/01/2017 to 26/01/2017)
- Participated in **AICTE** recognized one-weekshort term course on **Wireless and Mobile Communication through ICT.** (03/10/2016 to 07/10/2016)
- Participated in **AICTE** recognizedone-weekshort term course on **Optical Fiber Communication through ICT.**(05/09/2016 to 09/09/2016)
- **Completed one-month training at All India Radio Kanpur** (09/06/09 to 06/07/09)
- **Attended Robotics Workshop at IIT Allahabad.**

Education:

Course	Marks	Year	Board
Ph.D. (Electronics Engineering) (Pursuing)	----	----	AKTU
M.Tech (Instrumentation)	81.05%	2015	NIT KKR
B.Tech (EL)	68.05%	2010	UPTU
Intermediate	79.20%	2005	UP Board
High school	62.83%	2003	UP Board

Certification:

- Having certificate of **D.C.A.**(Diploma in computer application).

Strength:

- Easily adapting to the new environment, Believe in team work.

Co-cultural activities & Achievements:

- Qualified **GATE** in **2011, 2013, 2014**.
- Reviewer of **National Academy Science Letters (SCLE)** in **SPRINGER NATURE**.
- Received **Homi Bhabha Teaching Assistant Fellowship** during PhD programme.
- Two SCI papers have been published in **Wireless Personal Communications (Springer)** and **Photonic Network Communications (Springer)**.
 1. Ritesh Sachan, D. C. Dhubkarya, “**Photonic Bandgap Hepta-Band Stacked Microstrip Antenna for L, S and C Band Applications**”,*Wireless Personal Communications* (2021), 1913–1931
 2. Ritesh Sachan, D. C. Dhubkarya, **Photonic band gap structure microstrip patch antenna for WiMAX and Wi-Fi application**”,*Photonic Network Communications* (2021), 41:280–286
- Presented a paper entitled **Improve the performance of Patch – Antenna by using EBG Structure** in **National conference on Recent Trends in Electrical, Electronics & Communication Engineering (RTEECE)** at **BIET Jhansi** held on 23-24 feb. 2019.

- Presented a paper entitled **Fabrication of thin film gas sensor based on Tin Oxide Nanoparticles** in **National Conference on Nanoscience and Instrumentation Technology (NCNIT-2015)** at **NIT KKR**.
 - Presented a poster in **Mastering in Molecules and Materials (M³-2014)** at **NIT KKR**.
 - Secured **1st** position in **RAN NEETI** (robo pick & place) in **UDAYAYA-09**.
 - Secured **4th** position in **Prabudha Yuva Bharti writing competition**.
 - Worked as **Literary Member** in the Dr. AITH Kanpur (2008-09).
 - Worked as **Sport Member** in the Dr. AITH Kanpur (2008-09).
 - Participated in **Robo-War & Robo-Race** in **UDAYAYA-09**.
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