

# AJEET KUMAR



Doctor of Philosophy (**Phd-Pursuing**, HBTU- Kanpur) Antenna design-HFSS  
Master of Technology (**M.Tech.**) in Electronics & Communication Engineering  
Bachelor of Technology (**B.Tech.**) in Electronics & Communication Engineering

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Passport No - T1206593 ABC ID - 650-639-499-642 AICTE ID-1-4758695856

## CAREER OBJECTIVE

To add value to your organization with the help of my adaptability & grasping power, and to enhance my professional skill sets by your organizational objectives.

## PROFESSIONAL QUALIFICATIONS & ACADMIC QUALIFICATION-

PROFESSIONAL QUALIFICATIONS-					
Sr No	Course	Institution/University	Specialization	Year	Aggregate
1	Ph.D	Harcourt Butler Technical University, Kanpur (U.P)	RF & Wireless Communication	2023-Till now	Pursuing
2	CITS	National Skill Training Institute-Kanpur	Electronic Mechanic	2021-2022	91.44%
3	M.Tech AKTU.-Lucknow	Axis Institute of Technology and Management, Kanpur (U.P.)	ECE	2018-2020	82%
4	B.Tech AKTU.-Lucknow	Anand Engineering College, Agra, Kanpur (U.P.)	ECE	2010-2014	67%
ACADEMIC QUALIFICATIONS-					
Sr No	Course/Board	Name Of The College	Subject	Year	Aggregate
1	Intermediate UP. Board	St. Joseph's HSS, Mahoba (UP)	PCM	2009	65.5%
2	High School UP. Board	Shivaji Inter College, Keshav Nagar, Kanpur (UP)	Science	2007	63%

## Professional Experience

Sr. No	Name of Organization	Department / Job Spl.	Posts Held	Joining Date	Relieving Date
1	Harcourt Butler Technical University Kanpur	ETD	Assistant Professor	15-07-2025	Till now
2	Harcourt Butler Technical University Kanpur	ETD	Assistant Professor	01-08-2024	24-06-2025
3	Harcourt Butler Technical University Kanpur	ETD	Assistant Professor	11-01-2023	31-07-2023
4	Axis Institute of Technology and Management Kanpur	Electronics Engineering	Assistant Professor	14-01-2019	07-12-2022
5	Government polytechnic kanpur	Electronics Engineering	Guest Lecturer	10-08-2016	14-01-2019
6	Lecan Solution Pvt. ltd Delhi	Recruitment Committee	HR IT recruiter	01-07-2016	10-08-2016

- In addition to the B. Tech curriculum, I also hold knowledge of teaching **Polytechnic curriculum (Electrical Engg and Electronics engineering )** since the previous session with 98.60% positive results for the 20219-20 batch, a session with 97.60% positive results for the 2020-21 batch, and a session with 99.60% positive results for the 2021-22 batch.

## AREAS OF INTEREST/SUBJECTS TAUGHT

Sr. No	Course/Paper	Level	Mode of Teaching	No of classes /week allotted
1	Microwave and radar engineering	UG	Offline	4
2	Satellite Communication.	UG	Offline	2
3	Advance Instrumentation	UG	Offline	4
4	Programmable logic control (PLC)	Diploma	Offline	4
5	Analog engineering	UG/Diploma	Offline	4
6	Microprocessors	UG/Diploma	Offline	4

7	Industrial Electronics and Control	Diploma	Offline	4
8	Digital Electronics	UG/Diploma	Offline	4
9	Environment study	Diploma	Offline	4
10	Microprocessor & Microcontroller	UG/Diploma	Offline	4
11	Industrial Management and Entrepreneurship Development	Diploma	Offline	4
12	Electrical measurement and measuring instruments	UG	Offline	4
13	Optical fiber communication	Diploma	Offline	4
14	Introduction to Electronic Engineering	UG	Offline	4

## ADMINISTRATIVE EXPERIENCES

- Serve as the IEEE Communications Society Branch Chair of HBTU KANPUR and an IEEE Member.
- I worked on Criteria nos. 5 and 6 and prepared paperwork when the **NBA-2025 Team** visited Harcourt Butler Technical University, Kanpur, in 2025.
- I helped to prepare paperwork when the **NAAC Team** visited Harcourt Butler Technical University, Kanpur, and HBTU successfully achieved an A+ grade.
- **Invigilator**, for semester examinations at Harcourt Butler Technical University, Kanpur, from January 2023 till now.
- **Member of the Proctorial board** at Axis Colleges, Kanpur, from April 2021 to December 2022.
- **Member of the Academic and Discipline Committee** at Axis Colleges, Kanpur, from April 2021 to December 2022
- **Invigilator**, for Dr. A.K.T.U. Semester examinations at Axis Colleges, Kanpur, from April 2021 to December 2022
- **Junior Examination Superintendent**, Exam-cell, Axis Colleges, Kanpur, from April 2021
- Appointed as an **Observer At Indus Institute of Technology & Management, Bilhaur, Kanpur** in September 2020. Appointed by Dr. A.K.T.U.
- He was appointed as an Invigilator in the Board of Technical Education Entrance exam JEECUP-2016, 2017, 2018, 2019, 2020.
- **External Examiner** during practical examinations for UPBTE semester examinations during December AND June 2018,2019,2020,2021,2022,2023,2024.
- **Diploma Project Coordinator**, Department of Electronics and Electrical Engineering, May 2019 to Dec 2022.
- Attended the UPBTE board examination center superintendent (CS) meeting at the Govt. Polytechnic Kanpur (U.P.) during August 2019 and August 2020.
- **Departmental Placement Co-Ordinator**: Manage and coordinate all the necessary details of the students with the placement cell of Axis Institute of Technology and Management, Kanpur, and help the students appear for a drive from September 2020, 2021, and 2022.

- **In charge** of various labs in the Electronics and Electrical Engineering Department at Axis Institute of Technology, Kanpur, from March 2019 to December 2022.
- [https://vidwan.inflibnet.ac.in/myprofile#personal\\_information\\_panel](https://vidwan.inflibnet.ac.in/myprofile#personal_information_panel)

### PROJECT GUIDANCE

SR NO	STUDENT NAME	ROLL NO	PROJECT TITLE	COURSE
1	1. Ms. Arya Manocha 2. Mr. Madhav Dwivedi 3. Ms. Akansha Verma	210106017 210106035 210106007	<i>Plant Disease Detection System</i>	B.TECH (2021-25)
2	1. ARPAN SINGH 2. Abhyuday Shukla 3. Akhand Pratap Singh	210102009 210102005 210102008	<i>Design of On-Body Patch Antenna Using HFSS</i>	B.TECH (2021-25)

### KEY SKILLS & COMPUTER PROFICIENCY-

1. Good Communication skills, Problem-Solving Attitude, decision-making ability, Ability and Willingness to Learn, and Adaptability.
2. Sound knowledge of the Internet, Google Sheets, and Google Docs. & MS Office Suite.
3. Basic knowledge of MATLAB, VHDL, and Embedded Systems.
4. Flexible in working with Windows (OS).
5. Basic knowledge of HFSS.
6. Board (Uttar Pradesh Board of Technical Education) Answer Sheet Evaluator Examiner ID-23687
7. Board (Dr. A. P. J. Abdul Kalam Technical University, Lucknow) Answersheet Evaluator examiner ID-707375522523)
8. Selected as **Paper Setter** for diploma/undergraduate examinations by **UPBTE** and **HBTU**, maintaining academic integrity and question quality, and maintaining **strict confidentiality** and complying with all guidelines prescribed by the respective university/exam board.Ensured **CO-PO (Course Outcome–Program Outcome) mapping** in question design as per the **NBA** framework

### INTERNSHIP/ WORKSHOP-

Sr No.	Type (Seminars/ Workshops/ Conferences/ FDP/ STC/ Symposia etc.	Duration	Organised By	Remark
1	Four weeks of Summer Training on <i>SWITCHING SYSTEM</i>	01-30 July 2013	(BSNL-Banda)	
2	Challenges & Recent Trends in <i>Mathematical Modeling and Scientific Computing</i>	18-22 Dec 2023	HBTU-Kanpur	

3	Symposium on Antennas and Microwave (SAM) 2004: <i>5G-Antennas From Fundamental to Implementation</i> ,	(19-21 April 2024	IIT-K	
4	Executive Industrial Training Program On <i>Application Of Ansys For Teaching And Research</i>	25-29 April 2024	MMMUT-Gorakhpur	
5	<i>Basic Concepts And Scientific Writing In LaTeX</i>	11 June 2024	HBTU-Kanpur	
6	Workshop on <i>Intellectual Property Rights Sponsored by the council of science and technology</i>	11 January 2024	HBTU-Kanpur	
7	Workshop on <i>Intellectual Property Rights Sponsored by the council of science and technology</i>	27 January 2025	HBTU-Kanpur	
8	DRDO-Industry-Academia Centre of Excellence (DIA-CoE), IIT Kanpur, on <i>Metamaterial Antennas &amp; Applications</i>	18-20 April 2025	IIT Kanpur	
9	“AI for Teaching and Learning” was conducted with E&ICT Academies at IIT Guwahati, MNIT Jaipur, IIITDM Jabalpur, NIT Patna, and IIT Kanpur	18-29 August 2025	IIT Kanpur	
10	Electronics & ICT Academy Supported by Ministry of Electronics and Information Technology (MeitY), Govt. of India Indian Institute of Technology Guwahati	18 to 29 August, 2025	IIT-Guwahati & IIT-Kanpur	
11	DTTC (DRDO) Skill Development Program on <i>RF &amp; Microwave Circuit Design Simulation using ADS</i>	6-7 October 2025	DRDO (Defence Technology & Test Centre)-Lucknow	
12	<b>ENGINEERS CONCLAVE-2025</b> -Cyber Physical Systems	October 28-29, 2025	IIT Kanpur	
13	Digital Healthcare: Innovations and Applications by Electronics and ICT Academy	05-09 Nov 2025	PDPM IIITDM Jabalpur and ABV-IIITM Gwalior	
14	<i>ELECTROMAGNETIC FIELD SIMULATION &amp; ANALYSIS USING ANSYS ELECTRONIC ENTERPRISES</i>	18th & 19th Dec'25	DTTC-DRDO, Amausi Campus, Lucknow.	

### Scholarly Manuscript Reviewer-

Sr No.	Title of Research Paper Reviewed	Duration	Organised By	Name of Conference	Certi. No.
1	Performance Evaluation of RCNN and Traditional Classifiers for Journal Indexing Using Text Data	September 19-20, 2025,	Madan Mohan Malaviya University of Technology, Gorakhpur (U.P.), India and ABV- Indian	International Conference on Electrical and	ICE3-2025/RPR/64

			Institute of Information Technology and Management, (M.P.), India	Electronics Engineering (ICE3-2025),	
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## THESIS & PROJECT-

**M.Tech Theses:- Title:-** Attack Minimization of Digital Image Watermarking Using Fast Fourier Transform

**Technology:-** FFT, Attack, SNR, DWT, DCT, DWM

**Description:-** Digital content is widely used and easily copied, leading to increased risks of copyright infringement. Digital watermarking offers a strong solution by embedding hidden information into media to prevent unauthorized use. It also serves purposes like fingerprinting and user recognition, with watermarks varying in form and requiring qualities like robustness, transparency, and security.

### B.Tech Project

**Title:-** Automatic Garage Door Opener

**Technology:-** DTMF DECODER

**Responsibility:** Project Coordinator & Designer

**Description:** This project is a wireless home door opener system designed to assist the handicapped. It uses GSM technology and a DTMF-based control system, where a user can open or close a garage door by dialing a number and sending keypad tones. These signals are decoded and processed through ICs to activate relays controlling the motor and security alarm. The system ensures convenient and secure remote operation with vibration sensor-based intrusion detection.

## Reserch Paper-

1- Ajeet Kumar “[DIGITAL WATERMARKING USING DISCRETE WAVELET TRANSFORM TO ALLEVIATE SIGNAL TO NOISE RATIO](#)” R Ajeet kumar, Sunil kumar sonkar, Gyanendra kumar verma. INTERNATIONAL JOURNAL OF CREATIVE RESEARCH THOUGHTS - IJCRT 8 (7), 5244

2- Ajeet kumar “[Digital Image Watermarking Using Fast Fourier Transform To Minimization of Different Attacks](#)” GKV Ajeet Kumar. International Journal for Scientific Research & Development 8 (5), 298-303

3- Ajeet kumar “[ENHANCE NETWORK LIFETIME WIRELESS SENSOR WITH MULTIPLE SINK VERSATILITY](#)” A Kumar, GK Verma, P Babu. International Journal of Computer Science and Mobile Computing 10 (2), pg.86 ...

4- Ajeet kumar “[LOW-POWER WIRELESS FREQUENCY TO VOLTAGE CONVERTER USING CMOS INVERTER](#)” AK Prabhakar Babu1, Gyanendra Kumar Verma2. International Research Journal of Engineering and Technology (IRJET) 7 ...

## PARTICIPATIONS & ACHIEVEMENTS-

1- Data analysis using R - sky-fi lab

2- Tata Steel courses -Total Quality Management, Programmable Logic Control.

3- Photonics: Fundamentals & Applications

## PARTICIPATIONS & ACHIEVEMENTS-

Sr no	Association	Membership No.	Date & Type of Membership	Annual/Lifetime
1	IEEE Membership	92923128	10-July-2025	Annual
2	IEEE Nanotechnology Council	92923128	18-May-2020	Annual
3	IEEE Sensors Council	92923128	18-May-2020	Annual
4	International Association of Engineers (IAENG)	524662	10-July-2025	Lifetime
5	IEEE Antennas and Propagation Society Membership	92923128	10-July-2025	Annual
6	IEEE Communications Society Membership (Essential)	92923128	10-July-2025	Annual
7	IEEE Council on RFID	92923128	10-July-2025	Annual
8	IEEE Council on Superconductivity	92923128	10-July-2025	Annual
9	AI and Machine Learning Entrepreneurs and Engineers Association in India	AMI/25/01645	18-Sept-2025	Lifetime

## PERSONAL DETAILS-

- Name: Ajeet Kumar
- Father's name: Mr. Ghasita Prasad
- Date of Birth: 08 July 1993.
- Marital Status: Married
- Languages known: English, Hindi
- Permanent Add-: Kabrai, Mahoba UP- 208027
- Current Add- Awashvikash Kalyanpur, Escort world School kanpur-208024
- Contact No: +91-8707818814, +91-9458558964,
- E-Mail: [ajeetkumar30101@gmail.com](mailto:ajeetkumar30101@gmail.com)

## DECLARATION

*I hereby solemnly declare that all the information furnished above is factually true and correct to the best of my knowledge.*

PLACE: KANPUR

DATE: 01/02/2026

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(Ajeet kumar)