

CURRICULUM VITAE

PREETI KHARWAR

D/O : RAM MILAN KHARWAR

CONTACT: 09451253540, 08429923302

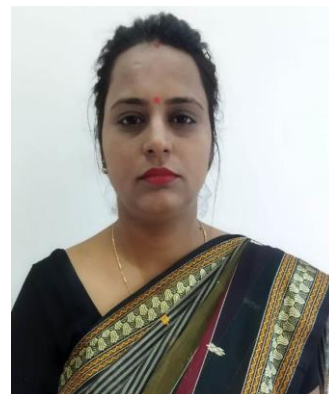
EMAIL ID: preetikharwar.iet@ddugu.ac.in
rse2016502@iiita.ac.in

GOOGLE SCHOLAR ID: _a96rlcAAAAJ

ORCID ID: 0000-0002-4932-0246

RESEARCH GATE ID:

https://www.researchgate.net/profile/Preeti-Kharwar-2?ev=hdr_xprf



PERMANENT

ADDRESS : SANJAY GIRI

VILL- MAHUWARI,
POST-DAILAPUR
THANA-CAPTANGANJ
DISTRICT-BASTI

PIN : 272131

CORRESPONDENCE

ADDRESS : PREETI KHARWAR

ECE DEPARTMENT
FOET, IET
DDUGU
GORAKHPUR
PIN : 2730003

OBJECTIVE

A post graduate who would like to work to oversee the design and development of the curriculum and deliver a range of programmes of teaching to students, in order to ensure teaching within the quality assurance framework of the College. To lead the development and implementation of the College's research strategy and co-ordinate research activity within the specific subject area.

EDUCATIONAL QUALIFICATION

Ph.D, Department of **ELECTRONICS AND COMMUNICATION ENGINEERING**, Indian Institute of Information Technology, Allahabad.

DEGREE	BOARD/ UNIVERSITY	INSTITUTE	SUBJECT	YEAR OF PASSING	MARKS
Ph.D	Deemed (INIs)	IIIT Allahabad	COMMUNICATION SYSTEM	2022	8.5 (CGPA)
M.Tech	DELHI UNIVERSITY	N. S. U .T. NEW DELHI	SIGNAL PROCESSING(ECE)	2014	7.55 (CGPA)
B.Tech	U.P.T.U.	K.N.I.T. SULTANPUR	ELECTRONIC ENGINEERING	2011	70.66%
B.Sc.	D.D.U.GKP.	D.D.U.GKP	PHYSICS, ELECTRONICS	2008	61.33%
INTERMEDIATE	U.P.BOARD	S.G.S.INTER COLLAGE, HATA KUSHINAGAR	PHYSICS, CHEMISTRY, MATHEMATICS, ENGLISH, HINDI	2004	70.20%
HIGH SCHOOL	U.P.BOARD	S.G.S.INTER COLLAGE, HATA KUSHINAGAR	MATHEMATICS, SCIENCE,ENGLIS, HINDI,SANSKRIT SOCIAL SCIENCE	2002	71.83%

TECHNICAL SKILLS

Areas of Interest : Wireless Sensor Network, Mobile & Wireless Communication, Signal & System, Digital Logic Design, Internet of Things.

Computer Skills : LATEX, OS Platform- window 98, window 8/10, XP & vista & 7, LINUX, Applications- MS Word, MS Excel & MS PowerPoint.

Programming Languages : Basics of C, Mathematica.

PLATFORM : **MATLAB**

SOFTWARE : PCB Design (EAGLE,CAD).

HARDWARE : HARDWARE designing

EXPERIANCE

- I have **5.5 years** of Working Experience in **Indian Institute of Information Technology Allahabad(public university)** as **Teaching assistant**.
- I had worked as Guest Faculty on contractual basis in department of **ELECTRONICS ENGINEERING** in **Kamla Nehru Institute Of Technology, Sultanpur,(state government, autonomous engineering institution)** since **July 2014 to June 2016**.
- I had worked as Guest Faculty on contractual basis in department of **ELECTRONICS ENGINEERING** in **Kamla Nehru Institute Of Technology, Sultanpur,(state government, autonomous engineering institution)** since **1st November 2021 to Aug 2024**.
- **Currently**, I am working as Assistant Professor on contractual basis in department of **Electronics & Communication Engineering** in **Faculty of Engineering Department, DDUGU, Gorakhpur** since **10th September 2024 to till date**.
- I have taught **Gate (Graduate Aptitude Test in Engineering)** aspirant in **CSE** department in **KNIT, Sultanpur** in **2023-2024**.
- I have supervised project work of **B.Tech** final year student.
- I have supervised **M.Tech** final year students.
- I have organized workshop on microcontroller.
- I have organized workshop on Latex.
- I have organized workshop on PCB designing.
- I have organized an expert lecture on the topic of Digital Logic Design in the field of electronics at **IET DDUGU**, in **Dec 2024**.

INTERNSHIP

- Successfully completed industrial training at **NORTH EAST RAILWAY,GORKHPUR**.
Duration : 4 weeks
Focus area : Electronics Exchange

Electronics exchange is heart of communication. Through exchange people able to communicate to other in LNA & MNA. It can be done through single exchange or interconnecting other exchange.

PROJECT

Course	Group	TITLE
B.Sc	1	<ul style="list-style-type: none"> DESIGN OF 5V POWER SUPPLY
B.Tech	3	<ul style="list-style-type: none"> To DESIGN A MATLAB BASED MACHINE VISION SYSTEM RADIO NOISE BURST RECIEVER
M.Tech	1	<ul style="list-style-type: none"> RANDOM NUMDER GENERATOR USING CPLD AUTOMATIC ROOM LIGHT CONTROLLER WITH BIDIRECTIONAL COUNTER GAME OF STAGES SNAKE AND LADDER CPLD BASED THESIS-ESTIMATION OF DIRECTION OF ARRIVAL USING DFT FILTER BANK
Ph.D	1	<ul style="list-style-type: none"> THESIS-PERFORMANCE EVALUATION AND OPTIMIZATION OF MULTIUSER IoT RELAYING NETWORKS WITH HARDWARE IMPAIRMENTS

SEMINAR , CONFERENCE AND SHORT TERM COURSE

- SATELLITE RADIO**

It is similar to FM but its working is different . It covers large geographical range. It is also known as SDARS(satellite digital audio radio service). It is portable.

- ESTIMATION OF DIRECTION OF ARRIVAL .**

- I have attended 2nd **NATIONAL POWER & ENERGY SYSTEM CONFERENCE** (NPESC-2015) in KNIT,SULTANPUR.
- I have attended **SHORT TERM COURSE** under Technical Education Quality Improvement Programme-II On “**RECENT TRENDS IN SOLAR ENERGY TECHNOLOGY**” in **CENTRE FOR ENERGY STUDIES** in **INDIAN INSTITUTE OF TECHNOLOGY (IIT) DELHI** (2015).
- I have attended **Emerging Trends in Electrical, Electronics & Sustainable Energy Systems (2016)** organized in KNIT,SULTANPUR.
- I had attended **FACULTY DEVELOPMENT PROGRAMME** on **EMBEDDED SYSTEM DEVELOPMENT** (2015).
- I had attended **FACULTY DEVELOPMENT PROGRAMME** on **WIRELESS TECHNOLOGIES & WSN** (2015).
- I had attended **FACULTY DEVELOPMENT PROGRAMME** on **DISASTER MANAGEMENT & MITIGATION MEASURES** (2016).
- I had attended **FACULTY DEVELOPMENT PROGRAMME** on **SIMULATION AND MATHEMATICAL TOOLS FOR ENGINEERING RESEARCH** (2016).
- I had attended **FACULTY DEVELOPMENT PROGRAMME** on **RECENT ADVANCES IN NUMERICAL AND OPTIMIZATION TECHNIQUES** (2016).
- I had participated in **IEEE Latex WORKSHOP CONDUCTED BY IIT Allahabad** (2016).
- I had attended workshop on **ADVANCEMENTS IN WIRELESS COMMUNICATIONS** (2019).
- I had attended course cum workshop on **PHOTONICS PRINCIPLES AND OPTICAL NETWORKS** (2020).
- I have attended short term course on **5G AND BEYOND WIRELESS TECHNOLOGIES: MODELLING AND SIMULATIONS USING MATLAB** (2021) By IIT Indore.
- I had attended **FACULTY DEVELOPMENT PROGRAMME** on **Cyber Security** (2024).

ACADEMIC DISTINCTION

- Qualified GATE in 2011 with 80.70 percentile.

- Qualified GATE in 2012 with 98.77 percentile.
- I was placed in GENPACT in 2008 (on campus in B.Sc).
- I was placed in THELS in 2011(off campus).
- I was placed in TCS in 2011(on campus).

POSITIONS OF RESPONSIBILITY

- Organized various technical and cultural events in school and college.
- Wardenship during teaching.
- Currently, I am member of proctorial board in DDUGU, Gorakhpur.

LIST OF PUBLICATION

- P Kharwar, S Yadav and N Purohit, “Optimal power allocation for multiple sensor single DF relay based IoT networks under transceiver hardware impairments” Elsevier, Physical Communication, vol. 43, 101183, Dec. 2020.
- P Kharwar, S Yadav, N Purohit and D T Do, “Source-Sum-Power Minimization in Multiple-Sensor SingleAF relay based IoT Networks With Outage Constraints and Under Hardware Impairments and Imperfect CSI”, International Journal of Communication System, vol. 34, no. 16, pp. 1-27, Aug. 2021.
- P Kharwar, S Yadav and N Purohit, “Performance Evaluation of Multiuser IoT Wireless-Powered Relaying Networks With Transceiver Hardware Imperfections Over Nakagami- m Fading Channels”, International Journal of Communication System, vol. 35, no. 10, pp. 1-24, July 2022.
- P Kharwar, J Singh, “Advances in Individualized binaural reproduction techniques,” accepted in ICCSP 2014.
- P Kharwar, S Yadav, N Purohit and D S Gurjar, “Throughput Analysis of SWIPT-Enabled Multiuser IoT Networks with Hardware Imperfections over Nakagami-m fading channels”,IEEE Conference on Advance Communication Technologies and Signal Processing (ACTS), India, 15-17 Dec. 2021.
- P Kharwar, H V Singh and S P Gangwar, “Enhancements in 3D Sound Localization Techniques” International Conference on Emerging Vistas of Engineering and Technology, UP, India, 22-23 November, 2024.

- P Kharwar, “Performance Evaluation of Multiuser IoT Wireless-Powered Relaying Networks With Transceiver Hardware Imperfections and channel estimation error over mixed Rayleigh and double Rayleigh Fading Channels”, IEEE Transactions on Communication (**revision submitted**).
- P Kharwar, and H V Singh “Performance Evaluation of Multiuser energy harvesting IoT Relaying Networks with Incremental Cooperation, Relay Selection and Hardware Noises with Rayleigh fading (IEEE Transactions on Communication (**communicated**)).
- P Kharwar, S P Gangwar and H V Singh “Performance Evaluation of Multiuser energy harvesting IoT Relaying Networks with Incremental Cooperation, Relay Selection and Hardware Noises with Nakagami-m fading(**under preparation**).

PERSONAL DETAILS

Date of Birth : 07 July,1988
Father's Name : Ram Milan Kharwar
Mother's Name : Radhika Kharwar
Gender : Female
Nationality : Indian
Marital Status : Married
HOBBY : Reading Mythological books and short stories,Teaching poor children, travelling etc.

I do hereby declare that the above information furnished by me is true to the best of my knowledge and belief.

PREETI KHARWAR

REFEREES

Referee 1:	
Name	Prof.(Dr.) Neetesh Purohit
Institute	Indian Institute of Information Technology (IIIT-Allahabad)
Position	Director
Address	Director office, SGSITS, Indore 452003
Mobile No.	9451852922
Email Id	director@sgsits.ac.in , np@iiita.ac.in
Referee 2:	
Name	Dr. Suneel Yadav
Institute	Indian Institute of Information Technology (IIIT-Allahabad)
Position	Assistant Professor
Address	Room No. 2107,CC1, IIIT-Allahabad, ECE Department, Jhalwa-211015
Mobile No	8889710363
Email Id	suneel@iiita.ac.in
Referee 3:	
Name	Prof. (Dr.) Neelendra Badal
Institute	KNIT, Sultanpur
Position	Director
Address	Director office, REC Bijnor 246725
Mobile No	9415077454
Email Id	director@recb.ac.in