

DIXIT DUTT BOHRA

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CAREER OBJECTIVE

To achieve a high career growth by applying myself to the best of my abilities and skills to serve the people with the continuous learning process, with hard work and sincerity for mutually beneficial for self and the organization.

PROFESSIONAL EXPERIENCE

Nov'14 to Jun'22

Guest Faculty

MBM Engg. College, Jodhpur

Joined as Guest Faculty in Electronics and Communication Department

Key Deliverables:

- Teaching Network Theory, Communication Engineering and Digital Signal Processing, Advanced Communication System in undergraduate engineering course.
- Taking *Communication, DSP and Network Theory Labs, optical fiber lab.*

July'11 to Aug'14

Assistant Professor

Faculty of E&T, Jodhpur National University, Jodhpur

Joined as Assistant Professor in Electronics & Communication Department

Key Deliverables:

- Teaching Linear Integrated Circuits, Telecommunication Fundamentals, Electronic Devices and Circuits, Analog Electronics, Radar and TV Engineering in undergraduate engineering course.
- Taking *Electronic Devices & Circuit, Optical Communication and Micro-controller Lab*
- Appointed as Core Committee Member for Annual Sports fest in JNU.
- Teaching Satellite Communication in PG (M.Tech. digital comm.) course.

Aug'2010 to May'2011

Assistant Professor

Vyas Institute of Engineering & Technology, Jodhpur

Joined as Assistant Professor in Electronics & Communication Department

Key Deliverables:

- Teaching Digital Electronics and Electronic Devices and Circuits in undergraduate engineering course.
- Taking *Electronic Devices & Circuit and Digital Electronics Labs.*
- Setting and preparing new experimental set-ups for Electronics laboratory.

EDUCATIONAL CREDENTIALS

PG-Diploma in Artificial Intelligence

ACTS

CDAC, Pune in 2022

Bachelor of Law

Faculty of Law

Jai Narain Vyas University, Jodhpur in 2021, Secured 61.00%

Master of Technology (Digital Communication)

Faculty of Engineering and Technology

Jodhpur National University, Jodhpur in 2014, Secured 80.85% Marks.

Bachelor of Technology (Electronics & Communication Engineering)

Jodhpur Engineering College and Research Center, Jodhpur

Rajasthan Technical University, Kota in 2010, Secured 75.25% Marks.

Senior Secondary (XII)

Board of Secondary Education, Rajasthan, in 2006, Secured 76.77% Marks.

Secondary (X)

Board of Secondary Education, Rajasthan, in 2004, Secured 79.16 % Marks.

UGC NET- ELECTRONIC SCIENCE

Certified for Assistant Professor Lectureship (Lifetime)

GATE 2016

Secured 383 marks

ACADEMIC SNAPSHOT

Projects & Trainings:

- Project in PG-DAI on **Uber price prediction using multiple factors**
- Presented PG seminar on ***Compliance of New Era in SATCOM: Integration of Antenna and Solar Cell in CUBESAT***
- Completed the PG dissertation work on ***Performance Analysis of Different Modulation and Coding Schemes through AWGN Channel using LabVIEW***
- Has taken 30 days practical training in UG course from ***Defense Research and Development Organization***. During the training I have learnt about Analysis of circuits using P-spice and prepared a "DIP Suppressor Unit"
- Prepared ***Zener diode Tester*** in UG minor project
- Prepared ***IR interruption counter*** in UG major project

Publications:

International Journals:

1. Published a research article titled **“Solar Cell Integration in Cubesat: A New Era in SatCom”** in International Journal of Innovative Science, Engineering and Technology, Volume 1, Issue 2, April 2014.
2. Published a research article titled **“Study and Simulation of DS-CDMA over Communication Channels”** in International Journal of Current Engineering and Technology, Volume 4, Number 3, June 2014.
3. Published a research article titled **“Bit Error Rate analysis in Simulation of Digital Communication System with Different Modulation Schemes”** in International Journal of Innovative Science, Engineering and Technology, Volume 4, Number 3, June 2014.
4. Published a research article titled **“Study and Simulation of Digital Modulation Schemes using BER Calculation”** in International Journal of Advance Research in Science and Engineering, Volume 4, Issue 2, February 2015.

International Conferences:

1. Presented paper on **“Global Navigation Satellite System and Antennas”** in 8th International Conference on “Microwave, Antenna, Propagation & Remote Sensing (ICMARS-2012), Organized by International Centre for Radio Science (ICRS), Jodhpur, India, DEC 11-15, 2012.
2. Presented paper on **“Comparative Study and Design of Microstrip Patch Antenna based on Artificial Neural Network”** in 8th International Conference on “Microwave, Antenna, Propagation & Remote Sensing (ICMARS-2012), organized by International Centre for Radio Science (ICRS) Jodhpur, India, DEC 11-15, 2012.
3. Presented paper on **“Wireless Medical Sensor Network and Security Issues”** in 8th International Conference on “Microwave, Antenna, Propagation & Remote Sensing (ICMARS-2012), organized by International Centre for Radio Science (ICRS) Jodhpur, India, DEC 11-15, 2012.
4. Presented paper on **“Super Channels DWDM Transmission System for 100 Gb/s and beyond”** in 8th International Conference on “Microwave, Antenna, Propagation & Remote Sensing (ICMARS-2012), organized by International Centre for Radio Science (ICRS) Jodhpur, India, DEC 11-15, 2012.
5. Presented paper on **“To Design Microstrip Fractal Antenna”** in International Conference on Electrical, Electronics and Computer Engineering (EECE-13), organized by International Academic & Research Centre, (IARC) SEP 15, 2013.
6. Presented paper on **“Biometric Security Technology”** in International Conference on Electrical, Electronics and Computer Engineering (EECE-13), organized by International Academic & Research Centre, (IARC) SEP 15, 2013.
7. Presented paper on **“Applicability of Fuzzy Logic in Remote Sensing”** in 9th International Conference on “Microwave, Antenna, Propagation & Remote Sensing (ICMARS-2013), Organized by International Centre for Radio Science (ICRS) Jodhpur, India, DEC 11-14, 2013.
8. Presented paper on **“Study and Simulation of Digital Modulation Schemes using BER Calculation”** in International Conference on Science, Technology and Management (ICSTM-2015), Organized by AR Research Publication, New Delhi, India, FEB 1, 2015.

9. Presented paper on **“Optimum Packet Length over Data Transmission for Energy Efficient Wireless Sensor Networks.”** In International Conference on VLSI, Communication and Networks (VCAN-2015), Organized by Institute of Engineering & Technology, Alwar, India, APR 18-19, 2015.

National Conference:

1. Presented paper on **“Integration of Antenna and Solar Cell in CUBESAT”** in National Conference on Advances in Technology and Applied Sciences (NCATAS- 2014), organized by Jodhpur Institute of Engineering and Technology (JIET), Jodhpur, India, MAR 28-29, 2014.
2. Presented paper on **“Study of Various Schemes of Digital Modulation with BER Calculation”** in National Conference on Innovations & Recent Trends in Engineering & Technology (NCIRET- 2017), organized by Vyas Institutes of Higher Education (VIHE), Jodhpur, India, APR 14-15, 2017.

Extra-CurricularActivities/ Achievements:

- Secure 1st position in M.Tech. Examination and awarded with **GOLD MEDAL**.
- Secure 2nd Position in paper presentation (ORAL) at International Conference organized by ICRS.
- Nominated as president of “Association of Communication & Electronics Student” in college time.
- **Joined as Project Assistant (Level-II) at CEERI, PILANI 03 may 2011 to 23 May 2011.**

PERSONAL VITAE

- Language Known : Hindi, English and native (Rajasthani), Sanskrit.
- Soft-Hands : Python, Deep Learning, NLP, Comp Vision, Data Analytics

(DIXIT DUTT BOHRA)