

CURRICULUM VITAE

Dr. SURJEET RAIKWAR

33/1 KUMHAR KA KUWA
NEAR-PARAMEDICAL
JHANSI (U.P.)-284128
Phone: +918707050710
Email: surjeet1255@gmail.com



CAREER OBJECTIVE

Looking for a position in technical education to use my strong passion for a student's career's overall development, together with skills and experience that will enable me to make a significant difference at your Institute.

SOFTWARE PROFICIENCY

- **Languages:** C
- **Knowledge of Software packages:** IE3D tool, MATLAB, Multisim, COMSOL Multiphysics, Proteus, LTspice, MathType, Tina TI.

EDUCATIONAL QUALIFICATIONS

S.No.	Degree	University	Year of Passing	Percentage (%)
1.	Ph.D.(Electronics Engineering)	APJAKTU , Lucknow (formerly UPTU)	2022(Viva Voce) 2023 (Degree Awarded)	-
2.	M.Tech. (Electronics & Communication)	APJAKTU , Lucknow (formerly UPTU)	2016	69.20
3.	B.Tech. (Electronics & Communication)	BIET Jhansi/GBTU, Lucknow (formerly UPTU)	2012	68.28

TRAINING & SHORT TERM WORKSHOPS ATTENDED

- Unemployed Youth Training on **Internet Awareness** from March 27th -28th, 2005.
- Unemployed Youth Training on **Desktop Publishing (DTP)** from November 21-25th .2005.
- Unemployed Youth Training on **Computer hardware repairing** from May 2-6th, 2006.
- Unemployed Youth Training on **Web Designing** from October 13 -17th, 2006.
- Attended seminar on **The Leadership of 21st Century** from 10 April-2nd may, 2006.
- Workshop on **MATLAB and Its Application** from 28-1st march 2011.
- 4 weeks summer industrial training in **control & Instrumentation Division-III** at Parichha Thermal Power Plant Jhansi, from 15th June-12th July, 2011.
- Workshop on **“Decoding the Startup Journey & Ecosystem”** conducted by BIET Jhansi under TEQIP-III from 2nd -3rd February, 2018.
- 2nd National Workshop on **“Advances in Wireless and Optical Networks”** Sponsored by TEQIP-III MNNIT Allahabad from 27th May – 1st June, 2019.
- Workshop on **“Interactive Learning and Pedagogy in Electronics Engineering with modern Simulation Tool (TraNG-19.0)”** conducted by BIET Jhansi under TEQIP-III from 27th -28th September, 2019.
- Workshop on **“Outcome Based Education and Accreditation (OBEA-19)”** organized by Department of Electronics & Communication Engineering BIET, Jhansi from 11th -12th December, 2019.
- Workshop on **“Awareness on Intellectual Property Right (IPR)”** organized by Department of Electronics & Communication Engineering BIET, Jhansi & Council of Science & Technology (CST) UP on 4th February, 2020 (one day).
- Online Training program on **“MATLAB for Engineering Graduates”** organized by Department of Electronics & Communication Engineering, at **B. I. E. T. Jhansi** from 5-18 June, 2020.
- Online short term course on **“Recent Trends in Wireless Communication (RTWC-2020)”** sponsored by TEQIP-III under twinning activities with SLIET Longowal and organized by Department of Electronics Engineering, **NIT Uttarakhand** during 20-24 July, 2020.
- A National level training program on **“Hands on Training on Microwave & Photonic Related Sophisticated Equipment and Components”**, organized by Department of Electronics and Communication Engineering, **MNNIT Allahabad, Prayagraj** from 06-12 June, 2022. **(DST Sponsored)**
(Unemployed youth training done under **World Bank Assisted Technical Education Quality Improvement Program of Government of India.**)

FACULTY DEVELOPMENT PROGRAM (FDP)

- Three days FDP on “**Linear Integrated Circuits - A System Approach**” conducted by Texas Instruments at **MIET, Meerut** from 30 May – 1st June-2016.
- Three days FDP on “**Embedded System Design using MSP430**” conducted by Texas Instruments at **MIET, Meerut** from 2nd -4th June-2016.
- One Week short term course on Optical Fiber Communication through ICT conducted by **NITTTR Chandigarh**, from September 5th -9th -2016.
- Short term course on “**Wireless and Mobile Communication**” through ICT conducted by **NITTTR Chandigarh**, from October 3rd -7th-2016.
- One week FDP on “**Advance Course on Antenna and Microwaves** “organized by Department of Electronics Engineering, **HBTU Kanpur**, from 30th January to 4th February- 2017.
- Five days FDP on “**Current Trends in Electronics and Communication Engineering**” organized by Department of Electronics & Communication Engineering **BIET Jhansi**, from 24th – 28th, December-2019.
- Industry–Academia FDP on “**Artificial Intelligence: Basic & Applications in Engineering, Science & Technology (AI-BEST)**” organized by Department of Electronics & Communication Engineering **BIET Jhansi**, from 27th – 31th, January-2020.
- Two-week online FDP on "**ICT Tools for Teaching, Learning Process & Institutes**" jointly organized by Electronics and ICT Academies, **NIT Patna** held from 10th- 21st August-2020 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the **Ministry of Electronics and Information Technology (MeitY), Government of India**.
- International FDP on “**Electromagnetics to 5G**” organized by **BIET Jhansi in association with SPIU Uttar Pradesh, ISTE & NIMERGION** during September 7-11-2020.
- One week online FDP on “**Photonics**” organized by **Central University of Jharkhand** under the scheme **AICTE Training and Learning (ATAL) Academy**, from 18 -22nd January-2021.
- One week online FDP on “**Sensor Technology** ” organized by **North-Eastern Hill University** under the scheme **AICTE Training and Learning (ATAL) Academy**, from 08- 12th February-2021.
- One week online FDP on “**Photonics**” organized by **Indian Institute of Technology(IIT) Bhilai** under the scheme **AICTE Training and Learning (ATAL) Academy**, from 19-23th July-2021.
- One week online FDP on “**Design, Synthesis and Characterization of Novel Materials**” organized by **Indian Institute of Information Technology(IIIT) Tiruchirappalli** under the scheme **AICTE Training and Learning (ATAL) Academy**, from 25-29th October-2021

WORK & RESEARCH EXPERIENCE

S.No.	Employer Name	Nature of Duty	Gross Salary	Post Held	Experience(Years)
1.	B.I.E.T. Jhansi	Teaching	18,000/on lecture basis	Guest Faculty	1
2.	Dr. A.I.T.H. Kanpur	Teaching	30,000/on lecture basis	Contractual	1.5
3.	B.I.E.T. Jhansi	Teaching Assistant (Teaching and Research Fellow)	40,000/month	Regular	3
4.	B.I.E.T. Jhansi	Teaching	40,000/on lecturer basis	Guest Faculty	From 6/10/2021
Total Years					6.7 Years

SUBJECT TEACHING

- Digital Electronics
- Microprocessor
- Digital Signal Processing

EXTRACURRICULAR ACTIVITIES & AWARDS

- Active Volunteer in Nation Conference (**NCREEM-2011**) organized by SRGI Jhansi.
- Secured 2nd position in Quiz competition (**Reflection**) at college level.
- Obtained **Homi Bhabha Research Fellowship**
- Certificate of appreciation by **MyLOFT for “The Great Geek Reader” out of Geeks** in Dr. APJ Abdul Kalam Technical University’s Nalanda Consortium (2021, 22)

MEMBERSHIP OF PROFESSIONAL BODIES/INSTITUTIONS

- IEEE (**Member no: 92287486**) R10 -Asia and Pacific (Section: U.P.) for year, 2021

RESEARCH AREA(s)

- Surface Plasmon resonance (SPR) Sensor
- Microstrip Patch Antenna

REVIEWER(s) OF OPTICAL JOURNAL

- Optical and Quantum Electronics
- Plasmonics

PAPER PUBLICATION

Research Publication (SCIE-Index)				
S.No	Title	Journal Name	Impact Factor	Published Year
01	S. Raikwar, et al. “2D-antimonene-based surface plasmon resonance sensor for improvement of sensitivity.” Quartile score: Q2).	Applied Physics A (Springer)	2.70	2021
02	S. Raikwar, et al. “Detection of Leptospirosis Bacteria in Rodent Urine by Surface Plasmon Resonance Sensor Using Graphene.” Quartile score: Q2).	Photonic Sensors (Springer)	4.4	2020
As Co-Author				
03	S. Raikwar, et al. “A Silicon-Black Phosphorous based Surface Plasmon Resonance Sensor for the detection of NO ₂ Gas.” Quartile score: Q2).	Optik Elsevier	3.1	2018
04	S. Raikwar, et al. “Detection of DNA hybridization using graphene-coated black phosphorus surface plasmon resonance sensor.” Quartile score: Q2).	Applied Physics A (Springer)	2.70	2018
ORCID ID https://orcid.org/0000-0001-9232-2506				

Research Publication (Non-SCI)				
S.No	Title	Journal Name	IF	Published Year
01	S. Raikwar, et al. "Graphene Oxide based SPR Sensor for Sensing of Sea Water Concentration."	Elsevier, Results in Optics	Scopus	2020
02	S. Raikwar, et al. “Multiple Repeated Slot Fractal Antenna for WLAN, WiMAX Applications.”	IJSRD	-	2016
03	S. Raikwar, et al. “Circular Slot Loaded Rectangular Microstrip Patch Antenna for WLAN, WiMAX Applications.”	IJSRD	-	2015
*IJSRD - International Journal for Scientific Research & Development				

NATIONAL CONFERENCES

- **S. Raikwar, et al., (co-Author)** “Triple Band H -Shaped Microstrip Patch Antenna for Wireless Communication Application”, ‘National Seminar on Signal & Image Processing’ (AICTE Sponsored) ITM Gwalior 10th& 11th –January-2014.
- **S. Raikwar, et al., (co-Author)**, “Rhombus cross slotted Microstrip Patch Antenna for WLAN Application”, National Conference on Recent Trends in Electrical, Electronics & Communication Engineering conducted in BIET Jhansi during 23rd -24th, February-2019.

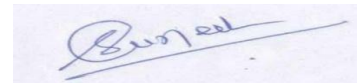
Google Scholar	Total Citation=164	h-index=5
-----------------------	---------------------------	------------------

PERSONAL PROFILE

Name: Dr. Surjeet Raikwar
Father's Name: Mr. Nathuram Raikwar
Date of Birth: 23 Nov, 1989
Marital status: Married
Languages: English & Hindi
Nationality: Indian

Declaration:

I hereby declare that the above information is correct to the best of my knowledge and belief.



Place: Jhansi (U.P.)

(SURJEET RAIKWAR)

Thank you for your time in reviewing **my resume**