CURRICULUM VITAE

***Mr.* SUKDEB SAHA**
Assistant Professor
HoD, ECE Department
Regent Education & Research Foundation
Group of Institutions , Barrackpore

Address :
200,Saratnagar ,PO- Ichapur, Nawabganj
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Academic Qualification:

Sl. No.	***Name of the Institution***	***Name of Exam***	***Board/ University***	***Division***
1	GLA University	PhD in Electronics and Communication Engineering	GLA University	NA (Registered)
2	University college of science and technology	M.Tech in Radio Physics & Electronics	University of Calcutta	1st
3	University college of science and technology	Post-B.Sc B.Tech(Radio Physics & Electronics)	University of Calcutta	1st
4	Barrackpore Rastragugu Surendranath college	B.Sc(Physics Hons.)	University of Calcutta	2nd

5	Ichapur Northland High School	Higher Secondary(10+2)	West Bengal Council of Higher Secondary Education	1st
6	Ichapur Northland High School	Madhyamik (10)	West Bengal Board of Secondary Education	1st

Professional Experience:

Thirteen years of teaching experience as an Assistant Professor in Regent Education & Research Foundation Group of Institutions.

Area of Teaching:

1. Network Theory 2. Analog electronics circuits 3. Digital Electronics
4. Telecommunication system 5. Electronic Measurement and Instrumentation
6. Analog Communication 7. Digital Communication
8. Basic Electronics 9. Neural Network and Fuzzy Logic

Academic Achievement:

- **GATE QUALIFIED IN 2010.**

Year: 2010 ***Registration No:*** EC 6051206

All India Rank: 19066 ***Score:*** 0297

Administrative Work Experience:

- **Currently working as Head of the Department** in Electronics and Communication Engineering for last four years.
- 6 months experience as an **Assistant HoD** of ECE Department.
- Serves as Head of the Department (ECE Dept.) during 2nd cycle of NAAC visit in 2024.
- Convener of Grievance Cell
- Member of Library Committee
- Ex-Convener of IIC Cell
- Ex-Senior Member of Examination Cell
- Member of Routine Committee
- Member of Anti Ragging Committee

Details of QIP Short termcourse and FDP as Participant:

- A one week QIP Course on "**Millimeter-wave circuits and Antennas for Short Range Communications"** in June 2017 at **IIT Kharagpur.**
- A one week QIP Course on **"Fundamentals of Digital Image and Video Processing with 3D Applications"** in May 2018 at **IIT Kharagpur.**
- A one week QIP Course on **"Design of Microwave and Millimeter-wave Filters'** in July 2019 at **IIT Kharagpur.**
- A 7 days National Level e-FDP & Expert class on **"New Narrative of NAAC"** organised by **RR Institute of Advance Studies** from 1st August to 7th August 2020.
- A 5 days Online Faculty Development Programme on **" Data Intelligence and Computation"** conducted by **Center for continuing Education, NIT Warangal** from 22.03.2022 to 26.03.2022.
- A 5 days Online Faculty Development Programme on **"Recent trends in Renewable Energy Sector" co**nducted by **REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS, WB** from 13.05.2025 to 17.05.2025.
- A 5 days Online Faculty Development Programme on **"'Teaching with Technology: Integrating Characterization Tools in Curriculum'"** conducted by **GLA University, Mathura,UP** from 30.05.2025 to 03.06.2025.
- A 5 days Online Faculty Development Programme on **"'Role of Electric Vehicles in shaping Modern age society towards sustainable future'"** conducted by **AIEM, Mogra,WB** from 29.07.2025 to 02.08.2025.
- A 6 days Online ATAL Faculty Development Programme on **'Quantum Intelligence: Integrating Quantum Technology with AI and ML'** conducted by **TECHNO MAIN SALT LAKE, WB** from 18.08.2025 to 23.08.2025.
- A 6 days Online ATAL Faculty Development Programme on **'QUANTUM EDGE INTELLIGENCE'"** conducted by **MCKV INSTITUTE OF ENGINEERING, WB** from 08.09.2025 to 13.09.2025.
- A 6 days Online ATAL Faculty Development Programme on **"GREEN HORIZON: Interdisciplinary Approaches to Emerging Renewable Energy Technologies and Climate Sustainability"** conducted by **REGENT EDUCATION & RESEARCH FOUNDATION GROUP OF INSTITUTIONS, WB** from 15.09.2025 to 20.09.2025.

Area of Research:

I am doing my PhD work in the field of Material Science (Glass Nanocomposite) under the Supervision of Dr. Dipankar Biswas in the ECE Department, GLA University, Mathura. My PhD enrollment number is 9131250001 and University roll number is 2491310002. I completed my course work, Comprehensive and state of art in the PhD Programme.

Journal Paper Published:

Journal Paper:

- **Sukdeb Saha,** Dipankar Biswas, Rittwick Mondal, **"Impact of Dy3+ doping on the optical, mechanical, and radiation shielding properties of Li2O-ZnO-Bi2O3-P2O5 glasses"**. Appl. Phys. A 131, 477 (2025). https://doi.org/10.1007/s00339-025-08529-4

- Dipankar Biswas, **Sukdeb Saha**, Swagata Nandy, Arpan Mandal, Ashes Rakshit, Souvik Brahma Hota , Rittwick Mondal**, "Comprehensive characterization of xBi2O3-(0.45-x) Li2O-0.35TeO2-0.20P2O5 glasses: Influence of Bi2O3 concentration on thermal and dielectric properties"**. Physica B 714 (2025) 417493 https://doi.org/10.1016/j.physb.2025.417493

- D Biswas, A Rakshit, S Nandy, R Mondal, **S Saha**, A Mandal, D Roy**, "Investigation of Physical and Dielectric Properties of $xLi_2O–(0.45-x)\ Bi_2O_3–0.15\ ZnO–0.40\ P_2O_5$ Glasses with Varying Li_2O Content"** International Journal of Maritime Engineering 167 (A3 (S)), 1-11 https://doi.org/10.5750/ijme.v167iA3(S).1686

- Swagata Nandy , Dipankar Biswas , Atul Babbar , Souvik Brahma Hota , Mirgender Kumar,Arpan Mandal, Debtanu Patra , **Sukdeb Saha** , Rittwick Mondal , **"Compositional tuning and dielectric performance of sodium–tungsten–borophosphate (NWBP) glasses for energy storage applications"** Journal of Non-Crystalline Solids 669 (2025) 123816, https://doi.org/10.1016/j.jnoncrysol.2025.123816

- Dipankar Biswas , Jagdip Chauhan , Mirgender Kumar, Ankur Dixit ,Arnab Das Sarma , Souvik Brahma Hota , **Sukdeb Saha** , Debabrata Pramanik , Rittwick Mondal **"Enhanced mechanical strength and low dielectric loss in tellurium-molybdate-zinc-phosphate glasses for advanced high-frequency electronics"** Physica B 723 (2026) 418109, https://doi.org/10.1016/j.physb.2025.418109

- Barman, S., Roy, M., Biswas, S., **Saha, S**.: **Prediction of cancer cell using digital signal processing**, Annals of Faculty Engineering Hunedoara. Int. J. Eng., 91–95, Tome IX 1584–2673 (2011)

- **Sukdeb Saha,** Dipankar Biswas, Ajit Debnath, **"Influence of Te substitution on optical and electrical characteristics of Te-Se-Ga-Ge chalcogenide glasses"** Applied Physics A (2026) 132:1087, https://doi.org/10.1007/s00339-026-10259-0

- Dipankar Biswas, **Sukdeb Saha,** DEBTANU Patra, Ashes Rakshit, **"OPTICAL CHARACTERIZATION OF $AS_5SE_{45}TE_{35}GE_{15}$ CHALCOGENIDE GLASS: ABSORPTION, BAND GAP, AND DISPE**RSION PROPERTIES" Reference NO. IJME 1890, DOI: 10.5750/ijme.v168iA4(S).1890

Conference Paper:

- **Sukdeb Saha**, Swagata Nandy, Dipankar Biswas, Rittwick Mondal, **"Optical And Radiation Shielding Features Of Dy3+ Ion Doped Zinc-Lead-Borate Glasses"** INCOM 2026: Proceedings of the **3rd International Conference on Mechanical Engineering Jadavpur University Kolkata, India**: January 08 - 10, 2026 Paper No. INCOM26-110

Final Year Project of M.Tech:

- ***Name of the Project*** **-** ELECTRICAL MODELING OF AMINO ACIDS USING PSPICE
- ***Name of the Institute*** **-** University College Of Science & Technology (CU)
- **Department-** Radio Physics and Electronics

Description-This project is about the electrical modeling of amino acids. Here amino acids are modeled to a RC or RLC equivalent electrical circuit and I am trying to find out the magnitude and phase response of equivalent impedance for each amino acids. The electrical model can be the basis for creating a 'DNA-chip' of arbitrarily long genetic sequences using VLSI technology.

- ***Software used*** **–** Pspice, Mat lab, Microsoft Excel and Origin software.
- **Guide Name-** Dr. Soma Barman Mandal

Final Year Project of Post B.Sc B.Tech:

- ***Name of the Project*** **-** GENOMIC SIGNAL PROSSEING
- ***Name of the Institute*** **-** University College Of Science & Technology (CU)
- **Department-** Radio Physics and Electronics
- ***Description-*** This project is about Genomic signal processing. Genomic signal processing is the application of digital signal processing in gene identification. Through this project I am trying to find out some hidden characteristic of Gene and to identify the exact location of Exons and Introns in a Nucleotide sequence with the help of DSP.
- ***Software used*** **-** Mat lab, C programming and Origin software.
- **Guide Name-** Dr. Soma Barman Mandal

Other Personal Information:

- ***Date of birth*** **:** 29/04/1984
- ***Nationality*** **:** INDIAN
- ***Sex*** **:** Male
- ***Material Status*** **:** Married
- ***Languages Known*** **:** English , Bengali , Hindi
- ***Hobbies*** **:** Reading books, Listening music and watching cricket matches.

Declaration:

I do hereby declare that, the above mentioned information is true to the best of my knowledge and belief.

Sukdeb Saha

Place: Ichapur
Date: 04.11.2026

(Signature)