

CURRICULUM VITAE

Soumik Basak
40A\17 K.C. C. Mitra Street
Kolkata:-700056

Contact no. : +91 9903115346
E-mail- soumik36@gmail.com

CAREER OBJECTIVE:

To be an integral part of a professional organization where, I can demonstrate my skills and capabilities so that it can be effectively utilized for the increased profitability of the industry. Also I would like to deliver high performance and try to gain technical expertise in whatever field I work, in order to serve my best to the growth of the organization. I am ready for immediate joining.

ACADEMIC PROFILE:

Course	Institution	Board	Year	Percentage\ Cgpa
PHD(Part time)	National Institute of Technology, Agaratala	National Institute of Technology, Agaratala	Pursuing	
M.TECH (ECE)	M.C.K.V Institute Of Engineering	MAKAUT formerly W.B.U.T	2013	8.7(79.5)
B.TECH (ECE)	Hooghly Engineering & Technology College	MAKAUT formerly W.B.U.T	2011	7.91(71.6)
HS	Ariadaha Kalachand High School	West Bengal Council of Higher Secondary Education	2007	78.2
10	Ramkrishna Mission Boys Home	West Bengal Board Of Secondary Education	2005	72.75

TECHNICAL PROFICIENCY:

- Operating System :Windows XP, Windows 7, ms office
- Programming Languages: C,CORE JAVA, VB .NET, PL/SQL,ORACLE, Python
- Electronics Software : Circuit Maker, MATLAB

INTERESTING SUBJECTS:

- Basic Electronics
- Digital Electronics
- Analog communication
- Digital communication
- Wireless communication
- VLSI

ACHIEVEMENTS:

- Obtained **grade A** in “**SCIENCE TALENT SEARCH EXAMINATION**” conducted by **Jatiya Vijnan Parishad** in 2001.
- Participated in **Science Exhibition** in Class XI at Ariadaha Kalachand High School, Belgharia.
- Won **First Prize** in School **Recitation Competition** at Ramkrishna Mission Boys’ Home, Rahara.
- Achieved the oracle certified training in **PL/SQL** for 6 months from **NIIT**.
- Published paper on **Study of OFDM & PAPR reduction Technique in International Journal of Soft Computing and Engineering ISSN: 2231-2307, Volume-3, Issue-2, May 2013.**
- Participated and completed successfully online elementary webinar on “**Problem Solving with Artificial Intelligence as a Service (AlaaS)**” on 05th june 2021 **conducted by IEEE PEC Student Branch, Pragati Engineering College.**
- Participated and completed successfully **AICTE Training And Learning(ATAL) Academy** online elementary FDP on “**Application of Computers in Biology**” from 07th to 11th june 2021 at **Galgotias University.**
- Participated and completed successfully 5 days online FDP on “**Inculcating Universal Human Values in Technical Education**” from 18 January, 2021 to 22 January, 2021 organized by **All India Council for Technical Education(AICTE)**
- Participated and completed successfully **Webel fugisoft vara centre of excellence** FDP on “**Industry 4.0**” on 18th august 2022 at **Webel IT Park Newtown West Bengal**
- Participated and completed successfully One week Faculty Development Program On “**Amazon Web Services**” from 22nd to 27th August 2022 Organized by **CALCUTTA INSTITUTE OF TECHNOLOGY** in collaboration with **BRAINOVISION SOLUTIONS INDIA PVT.LTD & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE**
- Have successfully undergone **8 months** training programme on practical **Data Science & AI** under **Apollonius Computational Business Solution OPC Pvt. Ltd.**
- Participated and completed successfully in workshop On “**VLSI to System Design: Silicon to End Application Approach**” from 31st July to 4th August 2023 Organized by **All India Institute for Technical Education (AICTE)** in collaboration with **Arm Education & ST Microelectronics.**
- Participated and completed successfully One week Faculty Development Program On “**Industry 6.0: Navigating The Ethical Frontier of Artificial Intelligence and Data Science**” from 25th to 29th June 2024

Organized by **Entrepreneurship Development Cell (EDC)** and **Internal quality Assurance Cell (IQAC)** of **Hooghly Engineering and Technology College**.

- Published patent on **Keyboard Assistant Device With Gesture Control Interface in Controller General of Patents, Designs and Trademarks**.
- Recently enrolled myself in **PhD. in NIT Agartala**
- Participated and completed successfully **AICTE Training And Learning(ATAL) Academy** One week Faculty Development Program On **“ROLE OF POWER ELECTRONICS IN ELECTRIC VEHICLE TECHNOLOGY”** from 25th to 30th November 2024 at **KKR & KSR INSTITUTE OF TECHNOLOGY AND SCIENCES**.
- Member of **Entrepreneurship Development Cell (EDC)** and **Internal quality Assurance Cell (IQAC)** in my college.
- Participated and completed successfully **AICTE Training And Learning(ATAL) Academy** One week Faculty Development Program On **“AI in Precision Agriculture and Smart Healthcare for Society 5.0”** from 03rd to 08th February 2025 at **MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY WEST BENGAL**.
- Participated and completed successfully **AICTE Training And Learning(ATAL) Academy** One week Faculty Development Program On **“Microwave Devices for Communication and Control in industry 6.0”** from 23rd June to 28th June 2025 at **Hooghly Engineering & Technology College WEST BENGAL**

WORK EXPERIENCE:

- Worked as a **teaching assistantship** for a period of **12 months** in **MCKV institute of engineering**
- Worked as a **junior BMC Remedy** for 3 months in **Dhirubhai Ambani Knowledge City with S.A. Tech Software (I) Pvt. Ltd.**
- My nature of work as remedy is enlisted below:-
- Submitted various reports related to Remedy.
- Extracted data from oracle and send them to the client to update their records.
- Resolved the problems of the client related to **change management** that manages change request for client sites like site moves, adds, changes, remove of approval etc. and its key integration with oracle ERP through DB stored procedure. And **problem management** that manages the client network issue which comes in the current active service and its key integration with SMARTS, IBM LTSB through remedy API.
- created the AR user account to give the permission to the user to access the AR system server.
- Worked as an **assistant professor** in **ECE** in **Bengal College of Engineering and Technology(AICTE Approved)(NBA Accredited)** from **february,2016-january,2020**.

- Worked as an assistant professor in ECE in Ideal institute of Engineering (AICTE Approved) from january,2020 to july 2025.
- Recently Working as an assistant professor in ECE in Regent Education of Research Foundation (AICTE Approved) (NAAC Accrediated) since september,2025.

PROJECT

I with my project guide did a project on “**Study of OFDM &PAPR reduction Technique**” using MATLAB6.5 in M.TECH.

Summary of my project in M.Tech is enlisted below:

1. The transmitted signal in an **OFDM** system can have high peak values due to the presence of many subcarriers. The high **Peak-to-average Power Ratio (PAPR)**, as compared to a single carrier system in an OFDM system is detrimental for its proper operation. It decreases the **signal-to- quantization noise ratio (SQNR)** of the **Analog-to-Digital and Digital-To-Analog converters**. This degrades the efficiency of the power amplifiers in the transmitter. This paper aims to improve the PAPR in the uplink by DFT spreading so as to preserve the limited battery power in a mobile terminal.
2. The DFT-spreading technique is to spread the input signal with **DFT**, which can be subsequently taken into **IFFT**. This can reduce the PAPR of OFDM signal to the level of single-carrier transmission. This technique is particularly useful for mobile terminals in uplink transmission. It is known as the **Single Carrier-FDMA (SC-FDMA)**, which is adopted for uplink transmission in the **3GPP LTE standard**.

A group of 4 students including me did a project on “**Design of Directional Coupler at GSM band**” using microwave device in B.TECH.

PERSONAL INFORMATION:

Father's Name: Satadal Basak
 Permanent Address : 40A\17 K.C.C. Mitra Street, Belgharia Kolkata:-700056
 DOB : 03.03.1989
 Nationality : Indian
 Gender : Male
 Marital Status : Married
 Language Known : Bengali, English and Hindi
 Hobbies : Playing cricket, Watching TV, Listening to Music.

DECLARATION:

I hereby declare that the above mentioned information is correct up to my knowledge.

Date:

Yours faithfully,
 (SOUMIK BASAK)