

**Pulak Mazumder**

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Career Objective: To be associated with an organization where my teaching & research abilities would be explored effectively and be able to flourish professionally along with the organization.

OVERVIEW:

- Have an overall experience of **27 years** in which **19 years** as an **Assistant Professor** in Engineering colleges and **8 years** in the centralized Network and Systems administration.
- Ph.D registered from ETCE Dept., of JU.
- Interested areas are DSP, AI/ML, Data Science, Computer Networking.
- Hold the position of **Head of the Department(HOD)** in ECE for four years.

Summary of Qualification:

Degree/Examination	University/Board	Topic/Subject	Percentage of marks / SGPA
Doctor of Philosophy (Ph.D.) Registration no.1022207013	Jadavpur University	Dept. of Electronics & Telecommunication Engineering (ETCE)	Coursework completed with 88%
M.Tech	WBUT	Electronics & Communication Engineering	8.36
B.Tech	IETE	Electronics & Tele-Communication Engineering	60.61
ISC	I.S.C.E	Bengali, English, Physics, Chemistry, Mathematics	65.2
ICSE	I.S.C.E	Bengali, English, Mathematics, Physics, Chemistry, Biology, History, Civics, Geography, Accountancy	67.6

Other professional course:

- **GNIIT** course from **NIIT Ltd.**
- **Diploma** in management from **NIS.**
- **Microsoft Certified Professional** in Windows 2003 & Exchange 2003 Server

Experience:

Designation	Duration	Organization	Role
Assistant Professor(GrII)	Sep'10 to till date	Regent Education and Research Foundation, Barrackpore	Teaching at UG level of engineering curriculum of ECE, EEE, EE, CSE
Teaching cum Senior Research fellow	April'10 – Aug'10	Birla Institute of Technology, Mesra	Teaching at UG level of engineering curriculum of ECE
Assistant Professor	April'09 – Mar'10	Durgapur Institute of Advance Technology, Durgapur	Teaching at UG level of engineering curriculum of ECE
Senior Lecturer	Feb'08 – Mar'09	Calcutta Institute of Engineering and Management	Teaching at UG level of engineering curriculum of ECE
Project Engineer/Manager	June'01 – Jan'08	Wipro Infotech	Centralized Network System administration

Training / Workshop / Short Term Courses / FDP

SL. NO.	COURSE NAME	TYPE	INSTITUTE / UNIVERSITY	DURATION
1.	RF & Microwave Measurement Fundamentals for Modern Electronic Systems	AICTE sponsored QIP short term course	IIT Kharagpur	2 Weeks June 2008
2.	Recent advances in RF Techniques for wireless communication	AICTE sponsored QIP short term course	IIT Kharagpur	1 Week July 2008
3.	An introduction to RF techniques for modern communication system	AICTE sponsored QIP short term course	IIT Kharagpur	1 Week July 2008
4.	Satellite Communications Technology and its applications	AICTE sponsored QIP short term course	IIT Kharagpur	1 Week March 2009
5.	Network Security – Theoretical & Practical perspective	AICTE sponsored QIP short term course	IIT Kharagpur	1 Week August 2010
6.	Microwave fundamentals and its applications in Radar and Avionics	AICTE sponsored QIP short term course	IIT Kharagpur	2 Weeks May 2012

7.	Fundamentals of signal processing and Antenna arrays	AICTE sponsored QIP short term course	IIT Kharagpur	1 Week July 2013
8.	Signals & Systems	ICT(MHRD) FDP short term course	IIT Kharagpur	2 Week January 2014
9.	Millimeter wave circuits and Antennas for short range communications	AICTE sponsored QIP short term course	IIT Kharagpur	1 Week June 2017
10.	Fundamentals of Digital Image and video processing with 3D applications	AICTE sponsored QIP short term course	IIT Kharagpur	1 Week May 2018
11.	Universal Human values	AICTE sponsored QIP short term course	AICTE	1 Week January 2021

List of Publications:

Conference Proceedings

1. **P Mazumder**, R Middya, M K Naskar “**Hardware Implementation of Fast Recursive Walsh-Hadamard Transform**” 1st International Conference on Innovations in Computer Science (ICICS-2018)
2. **Pulak Mazumder**, Mainak Mukhopadhyay, Kashinath Dutta, Saurav Ganguly, “**Noise Free Audio System using Adaptive Microphone Array**” (Paper No. ID SIP 107). ICRAES’10.
3. **Pulak Mazumder**, Mainak Mukhopadhyay, Saurav Ganguly, Jesmin Zakaria, “**A Novel Low Side lobe Constant Radiated Power Algorithm for Adaptive Array Antenna for Mobile Communication**” ICMARS 2009.

Journal

1. **Pulak Mazumder**, Kusal Bhattacharyya, Rathindra Nath Biswas, Mrinal Kanti Naskar “**A new parallel architecture for Discrete Hartley Transform** International Journal of Electronics (Taylor & Francis, IF: 2.154), under review
2. **Pulak Mazumder**, Soumyadeep Chandra, Sekhar Rana, Mainak Mukhopadhyay, Mrinal Kanti Naskar “**Parallel Hardware implementation of Walsh Hadamard Transform**” JSIR, Vol.81, July 2022, pp. ISSN: 0022-4456
3. **Pulak Mazumder**, Rajarshi Middya, Mrinal Kanti Naskar “**Hardware Implementation of Fast Recursive Walsh-Hadamard Transform**” IJCSE Vol.7, Special Issue.1, Jan 2019, E-ISSN: 2347-2693
4. Debabrata Sarddar, Shubhajeet Chatterjee, **Pulak Mazumder**, Sougata Chakraborty, Jayanta Kumar Bagchi, Kunal Hui, Kalyan Kumar Das and Milton Samadder, “**Fast Handoff Implementation by Neighbor Graph with Help of Global Position System**”, CiiT International Journal of Wireless Communication (0974 – 9756/CiIT – IJ –

- 2475/10/\$20/\$100@2011CiiT), Vol. 3, No.15, pp. 1056-1065, November 2011, Online ISSN: 0974-9640, Print ISSN: 0974-9756, Impact Factor: 0.572.
5. Debabrata Sarddar, Shubhajeet Chatterjee, **Pulak Mazumder**, Kalyan Kumar Das, Sougata Chakraborty, Milton Samadder, Jayanta Kumar Bagchi and Kunal Hui, **“Development of Handoff Failure Management by an Improved Channel Allocation Technique”**, CiiT International Journal of Wireless Communication (0974 – 9756/CIIT – IJ – 2473/06/\$20/\$100@2011 CiiT) Vol. 3, No.15, pp. 1050-1055, November 2011, Online ISSN: 0974-9640, Print ISSN: 0974-9756, Impact Factor: 0.572.
 6. Debabrata Sarddar, Shubhajeet Chatterjee, Sougata Chakraborty, Jayanta Kumar Bagchi, Kunal Hui, Kalyan Kumar Das, Milton Samadder, **Pulak Mazumder**, **“An Adaptive Scheme for Efficient Utilization of Resources in Handover and New Channel Allocation in LFO Satellites”**, CiiT International Journal of Programmable Device Circuits and Systems (0974 – 973X/CIIT – IJ – 2474/08/\$20/\$100@2011 CiiT) Vol. 3, No.14, pp. 808-815, November 2011, Online ISSN: 0974-9624, Print ISSN: 0974-973X, Impact Factor: 0.492.
 7. Debabrata Sarddar, Shubhajeet Chatterjee, Papri Mani, **Pulak Mazumder**, Sandip Kr. Bala, Utpal Biswas and M.K. Naskar, **“Minimization of Handoff Latency by Using GPS Based AP (Access Point) Map”**, CiiT International Journal of Wireless Communication (0974 – 9756/CIIT – IJ – 2096/07/\$20/\$100@2011 CiiT), Vol. 3, No.12, pp. 851-857, August 2011, Online ISSN: 0974-9640, Print ISSN: 0974-9756, Impact Factor: 0.572.
 8. Debabrata Sarddar, Shubhajeet Chatterjee, Arnab Raha, Karmajyoti Panigrahi, **Pulak Mazumder**, Utpal Biswas and M.K. Naskar, **“An Improved Handoff Technique to Reduce Handoff Latency with help of GPS Technology”**, CiiT International Journal of Networking and Communication Engineering (0974 – 9713/CIIT – IJ – 2097/08/\$20/\$100@2011 CiiT), Vol. 3, No.10, pp. 641-648, August 2011, Online ISSN: 0974-9616, Print ISSN: 0974-9713, Impact Factor: 0.569.
 9. Debabrata Sarddar, Shubhajeet Chatterjee, Arnab Raha, Mustque Ahmed, **Pulak Mazumder**, Utpal Biswas and M.K. Naskar, **“Minimization of Handoff Failure Probability by Using Mother Cell Child Cell Concept”**, CiiT International Journal of Programmable Device Circuits and Systems (0974 – 973X/CIIT – IJ – 2099/08/\$20/\$100@2011 CiiT), Vol. 3, No.10, pp. 542-549, August 2011, Online ISSN: 0974-9624, Print ISSN: 0974-973X, Impact Factor: 0.492.
 10. Debabrata Sarddar, Shubhajeet Chatterjee, **Pulak Mazumder**, Arnab Raha, Mandovi Mukherjee, Utpal Biswas and Mrinal Kanti Naskar, **“Improved Handoff Efficiency with the help of Neighbour Graph using Carrier to Interference Ratio”**, International Journal of Computer Application (0975-8887) Vol. 27- No.1, pp. 34-40, August 2011, Editorial Support Team, International Journal of Computer Applications, Foundation of Computer Science, New York, USA, ISBN: 973-93-80866-86-7, Impact Factor: 0.835.
 11. Debabrata Sarddar, Shubhajeet Chatterjee, **Pulak Mazumder**, Arnab Raha, Karmajyoti Panigrahi, Utpal Biswas and Mrinal Kanti Naskar, **“Security of Handoff Latency by Prescanning with help of Neighbourgraph”**, International Journal of Computer Application (0975-8887) Vol. 27- No.1, pp. 41-46, August 2011, Editorial Support Team, International Journal of Computer Applications, Foundation of Computer Science, New York, USA, ISBN: 973-93-80866-86-7, Impact Factor: 0.835.
 12. Debabrata Sarddar, Shubhajeet Chatterjee, **Pulak Mazumder**, Arnab Raha, Sreya Mallik, Utpal Biswas and Mrinal Kanti Naskar, **“Fast Handoff Implementation by using Geometrical Mathematical Models and Carrier to Interference Ratio based Handoff Algorithm”**, International Journal of Computer Application (0975-8887) Vol. 27- No.6, pp. 1-9, August 2011, Editorial Support Team, International Journal of

- Computer Applications, Foundation of Computer Science, New York, USA, ISBN: 973-93-80866-86-7, Impact Factor: 0.835.
13. Debabrata Sarddar, Shubhajeet Chatterjee, Utpal Biswas, Mandovi Mukherjee, Sreya Mallik, **Pulak Mazumder**, M.K.Naskar, “**Minimization of Handoff Latency by Cell Sectoring Method using GPS**”, **International Journal of Computer Application** (0975-8887) Vol. 25- No.4, pp. 22-29, July 2011, Editorial Support Team, International Journal of Computer Applications, Foundation of Computer Science, New York, USA, ISBN: 973-93-80866-86-7, Impact Factor: 0.835.
 14. Debabrata Sarddar, Shubhajeet Chatterjee, **Pulak Mazumder**, Rashmi Ranjan Sahoo, Madhurendra Kumar, Utpal Biswas and M.K.Naskar, “**Minimization of Handoff Latency by Directional Tangent Method using GPS based Map**”, **International Journal of Computer Application** (0975-8887) Vol. 25- No.6, pp. 1-7, July 2011, Editorial Support Team, International Journal of Computer Applications, Foundation of Computer Science, New York, USA, ISBN: 973-93-80866-86-7, Impact Factor: 0.835.
 15. Debabrata Sarddar, Shubhajeet Chatterjee, Mandovi Mukherjee, Sreya Mallik, **Pulak Mazumder**, Utpal Biswas and M.K.Naskar, “**Minimization of Call Blocking Probability using Auxiliary Stations**”, **International Journal of Computer Application** (0975-8887) Vol. 25- No.7, pp. 50-56, July 2011, Editorial Support Team, International Journal of Computer Applications, Foundation of Computer Science, New York, USA, ISBN: 973-93-80866-86-7, Impact Factor: 0.835.

PERSONAL DETAILS:

- Date of birth : 26/11/1976
- Martial status : Married
- Languages(R&W) : English, Bengali, Hindi.
- Hobbies : Reading, Music, Travelling.

REFERENCES:

Prof. Mrinal Kanti Naskar, Professor, Jadavpur University
Prof. A. Chakrabarty, Ex-Professor and Dean, Dept. of Electronics and Electrical Communication Engineering, Indian Institute of Technology, Kharagpur, India.
Prof. A.K.Mallick, Ex-Professor, Indian Institute of Technology, Kharagpur–721 302
Prof. B.N. Biswas, Professor Emeritus
Mr. Sudipta Ghosh, Regional Manager Service – East, Wipro Infotech Ltd., Kolkata

Date : 21.06.2025

Place : Kolkata

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