

## CURRICULUM VITAE

### DR. TILAK MUKHERJEE

*Associate Professor, Dept. of ECE, Haldia Institute of Technology  
West Bengal*



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[szVP8AAAAJ&hl=en](https://scholar.google.co.in/citations?user=D-szVP8AAAAJ&hl=en) WoS Researcher ID: KHY-2907-2024

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**OBJECTIVE:** To contribute towards teaching- learning and research as an individual as well as team in a leading academic environment.

**TEACHING EXPERIENCE:** Total 19.8 years (0.8 years Associate Professor, 15 years as Asst. Professor & 4 years as Lecturer) in Electronics & Communication Engg. (ECE) Dept. in U.P.T.U, J.N.T.U.K and M.A.K.A.U.T affiliated engineering colleges from July, 2003 to till date.

- Presently working in HALDIA INSTITUTE OF TECHNOLOGY (Autonomous under MAKAUT, NAAC, NBA accredited, NIRF ranked), Haldia, West Bengal as Associate Professor (GP 9,000) from Aug, 2024 to till date in Electronics & Communication Engineering (ECE) Dept.
- Earlier served as Asst. Professor (GP 7,000) in ECE Dept. from 3<sup>rd</sup> Aug, 2015 to 31<sup>st</sup> July, 2024 in Haldia Institute of Technology, West Bengal.

**Areas of Interest:** Nonlinear Optics, Communication Engineering, RF and Microwave Engineering.

#### MAJOR ACHIEVEMENTS:

1. UGC-NET QUALIFIED in 2014 for eligibility as Asst. Professor in 'ELECTRONIC SCIENCE' with 66.86% total score.
2. NPTEL Topper for 'Transmission Lines and EM waves' course in 2022.
3. ANSYS digital badge on 'Fundamentals of Wave Propagation' in 2023 and NPTEL Elite in 2024.

#### ACADEMIC CREDENTIALS:

- i) **Ph.D. (Engineering)** from Dept. of Electronics & Communication Engg. under **Brainware University, Barasat, Kolkata, West Bengal (Awarded in May, 2023).**  
**Thesis Title:** Investigation of the influence of Kerr nonlinearity on some propagation parameters of optical fiber and also on the action of devices made of optical fibers.
- ii) **PG: M.Tech** (Electronics & Communication Engg.) under **J.N.T.U, Hyderabad (2010-12)** with **78.62%** aggregate-1<sup>st</sup> **Class Distinction** from MITS Kodad, Dist-Nalgonda, Telengana.
- iii) **UG: B.E** in Electronics & Communication Engg. from B.I.E.T, Birbhum under **Burdwan University, West Bengal (1999-2003)** securing **1<sup>st</sup> Class Honours** with **76.7% TCPA.**
- iv) **(10+2): I.S.C** (Pure Science PCM) in D.N.S, Mugma (Dhanbad), Jharkhand in **1998** with **83%.** (CISCE, New Delhi).
- v) **(10<sup>th</sup>): I.C.S.E** in D.N.S, Mugma (Dhanbad), Jharkhand in **1996** with **84.5%.** (CISCE, New Delhi).

## **PREVIOUS WORK EXPERIENCE (2003 to 2015):**

| Sl.No. | Institute Name with Location                                                                                                    | Affiliating University      | Designation                    | Service Period                                                                                                                                           |
|--------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1      | <b>LakiReddy BaliReddy College of Engineering</b> (NAAC,NBA accredited), Mylavaram, NTR Dist. Rural Vijayawada, Andhra Pradesh. | Autonomous under JNTUK, A.P | Asst. Professor (ECE Dept.)    | 3 <sup>rd</sup> June, 2013 to 28 <sup>th</sup> July, 2015.                                                                                               |
| 2      | <b>Sri Sarathi Institute of Engineering &amp; Technology</b> , Nuzvid. Eluru Dist. Andhra Pradesh.                              | JNTUK, A.P                  | Asst. Professor (ECE Dept.)    | 23 <sup>rd</sup> June, 2008 to 08 <sup>th</sup> May, 2013<br><b>(*M.Tech study break between 25<sup>th</sup> Oct, 2010 to 5<sup>th</sup> Feb, 2012).</b> |
| 3      | <b>BMAS Engg. College (Sharda Group SGI)</b> Agra, Uttar Pradesh.                                                               | UPTU, U.P                   | Lecturer (ECE Dept.)           | 10 <sup>th</sup> July, 2006 to 10 <sup>th</sup> March, 2008.                                                                                             |
| 4      | <b>G.L.A.I.T.M, Mathura</b> Uttar Pradesh.                                                                                      | UPTU, U.P                   | Associate Lecturer (ECE Dept.) | 4 <sup>th</sup> July, 2003 to 10 <sup>th</sup> Sept, 2005.                                                                                               |

**\*CURRENT SALARY:** Basic Rs. 46, 400/- in pay band (Rs.37, 400 - 67,000) with AGP 9,000+DA+HRA+EPF as per Institute norms. Gross salary: Rs 1.06 Lakh , CTC: 13 LPA. (\*Expected CTC: 17-18 LPA).

### **Major Courses Taught:**

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|--------------------------------------------------|-----------------------------------|
| 1. Electromagnetic waves and Transmission lines. | 2. Satellite Communication.       |
| 3. Antennas and wave propagation.                | 4. Microwave Engg.                |
| 5. Electronic devices and circuits.              | 6. Communication Engg.            |
| 7. Basic Electronics Engg.                       | 8. Solid State Devices.           |
| 9. Technical Report Writing                      | 10. Analog & Digital Electronics. |

### **ADDITIONAL RESPONSIBILITIES HANDLED:**

- i) NBA, NAAC Departmental Core Committee Member.
- ii) Internal Academic Audit Committee Member, Central Feedback Monitoring Committee Member.
- iii) Central Student Welfare Committee Member.
- iv) Program Assessment Committee Member and Student Mentoring.

### **RESEARCH EXPERIENCE:**

#### **JOURNAL PUBLICATIONS: Published-21 (WoS/SCIE: 4, Scopus: 8)**

1. Amruta V. Surana, Suvarna Eknath Pawar, Shrinwantu Raha, Nilesh Mali, **Tilak Mukherjee**, “Ensemble Fine Tuned Multi Layer Perceptron for Predictive Analysis of Weather Patterns and Rainfall Forecasting from Satellite Data”, ICTACT Journal on Soft Computing (**IJSC**) Vol.15(2), pp. 3491-3496, 2024. E-ISSN: 2229-6956. DOI: 10.21917/ijsc.2024.0487 [**UGC CARE**]

2. S.Selva Nidhyananthan, Shilpa Prashant Kodgire, **Tilak Mukherjee**, Papun Biswas, Jitendra Singh Tamang, B. Ganesh Pandi, M. Harienthiran, Bhaskar Roy, “ Development of Opto-Electronic Free Space Optics Rain Attenuation Mathematical Model with Optisystem for Topological Optical Link Analysis”, Communications on Applied Nonlinear Analysis **CANA**, Vol. 30 (2), 2023, ISSN: 1074-133X. <https://doi.org/10.52783/cana.v30.264>. [**SCOPUS, UGC CARE**]

3. Angshuman Majumdar, **Tilak Mukherjee**, Sankar Gangopadhyay, “Estimation of Petermann I, Petermann II spot sizes for Kerr type nonlinear dispersion-shifted along with dispersion-flattened optical fibers in fundamental mode guidance applying a simple but accurate formalism”, Journal of Nonlinear Optical Physics and Materials **JNOPM**, July 2023. <https://doi.org/10.1142/S0218863523500704>. [**SCIE, SCOPUS, UGC CARE**]

4. **Tilak Mukherjee**, Angshuman Majumdar, Sankar Gangopadhyay, “ Effect of Kerr Nonlinearity on Signal and Pump Intensities in EDFA comprising Single-Mode Step Index Fiber: Estimation by a Simple but Accurate Mathematical Formalism”, **Results in Optics (Elsevier)**, 8(2022), 100263, June 2022. <https://doi.org/10.1016/j.rio.2022.100263>. ISSN: 2666-9501 [**SCOPUS, UGC CARE**]

5. **Tilak Mukherjee**, Angshuman Majumdar, Sankar Gangopadhyay, “Influence of Kerr Nonlinearity on Group Delay and Modal Dispersion Parameters of Single-Mode Graded Index Fibers: Evaluation by a Simple but Accurate Method”, Journal of Optical Communications (**JOC, De Gruyter, Germany**) ISSN:2191-6322, <https://doi.org/10.1515/joc-2020-0192>. [**SCImago, SCOPUS, UGC CARE**]

6. **Tilak Mukherjee**, Shubhendu Maiti, Angshuman Majumdar, Sankar Gangopadhyay, “A simple but accurate formalism for study of single-mode graded index fiber directional coupler in presence of Kerr nonlinearity”, **Optik (Elsevier)** International Journal for Light and Electron Optics (**IJLEO**) 213(2020), 164772, ISSN:0030-4026,

<https://doi.org/10.1016/j.ijleo.2020.164772>. [SCIE, SCOPUS, UGC CARE]

7.K.Roy,**T.Mukherjee**,S.Chatterjee,E.Karunakar,T.Satyanarayana,“Structural and Dielectric Characterization of La Modified PZT(52/48) Nano Ceramic Material for Electronic Applications”,Vol.5, Issue 5-May 2017,pp.971-975 in **IJRITCC**(International Journal on Recent and Innovation Trends in Computing and Communication ISSN:2321-8169) [SCOPUS, UGC CARE]

8.T.Satyanarayana,**Tilak Mukherjee**, G.Nagarjuna, “Effect of change in CaO concentration on spectroscopic properties of  $Tm^{3+}$  ions in phosphate glasses”,Vol.18, No. 9-10, Oct 2016, pp. 827-831 in **JOAM** (Journal of Optoelectronics and Advanced Materials ISSN: 1454 – 4164). [SCIE, SCOPUS, UGC CARE]

9.Pallavi Pooja, **Tilak Mukherjee**,Anshul Bhatia, “ High-level Implementation of Gray Scale Image Compression using Lifting Scheme”,Vol 3, Issue 7,July 2016,pp.690-693 in **IRJET**(Int. Research Journal of Engg & Technology ISSN:2395-0056). [Google Scholar]

10.**Tilak Mukherjee**, P.Venkat Rao, M.V.L Bhavani, Abhisek Kumar Sinha, “Micro Strip Patch Antenna Characteristics Using Different Dielectric Substrates”, Vol. 4,Issue 5-May 2015, pp. 3813- 3818 in **IJAREEIE** (Int. Journal of Advanced Research in Electrical, Electronics and Instrumentation Engg. ISSN: 2278-8875). [Google Scholar]

11.**Tilak Mukherjee**, B.Y.V.N.R Swamy, M.V.L Bhavani, “ Robust Image Compression using Integer Wavelet Transform exploiting Lifting Scheme”,Vol.7,No.5,Jan 2014, pp.217-220 in **IJETT**(Int. Journal of Engineering Trends &Technology ISSN:2231-5381). [SCOPUS]

12.**Tilak Mukherjee**, M.Koteswara Rao ,“Efficient performance of Lifting scheme along with integer wavelet transform in image compression”,Vol.3,Issue4,Aug 2013,pp.1950-1953 in **IJERA**(Int. Journal of Engineering Research &Applications ISSN:2248-9622). [Google Scholar]

#### OTHER PUBLICATIONS:

1. Shivam Kumar, Surbhi Kimari, Shampa Biswas Samanta, **Tilak Mukherjee**, Pallabi Pahari, Kushal Roy,“Cloud Computing Insights: A Brief Review”, Sp. Issue NSIC 2025, vol.10,pp.20-23,Int.J.HIT Transaction on ECCN, ISSN: 0973-6875.DOI: 10.5281/zenodo.14591244
2. **Tilak Mukherjee**, Kushal Roy, “Few Prediction Techniques for Earthquake events and their Analysis: A Brief Insight”, Journal of Electronics and Communication Systems, vol.7, Issue 3, Sept-Dec2022. <https://doi.org/10.46610/JOECS.2022.v07i03.001>.
3. **Tilak Mukherjee**, “Optical Fiber Communication System and Nonlinear Effects: A Brief Insight”, Journal of Optical Communication Electronics,vol.8, Issue 2, May-Aug 2022. <https://doi.org/10.46610/JOECE.2022.V08I02.003>.
4. **Tilak Mukherjee**, Kushal Roy, “Fiber Optic Communication Systems: A Brief Overview”, Vol.1,No.2,Dec 2020, pp.99-103 in Brainwave: A Multidisciplinary Journal ISSN: 2582-659X.
5. . Razia Sultana , Jayanta Kumar Bag , Sayani Ghosh , **Tilak Mukherjee** , Kushal Roy, “Determination of Linear Far field Pattern in Triangular Index Optical fiber for the Fundamental Transmission Mode”,Vol.7, Issue 6,2020,pp.2847-2852 in Journal of Critical Reviews, ISSN: 2394-5125.
6. Dipak Samanta,Chachal Kumar De, **Tilak Mukherjee**,Kushal Roy, “Performance Assessment of Image Compression and Reconstruction Employing Wavelet Transform with Lifting Scheme: An Effective Approach”, Vol.11 No.3,2020,pp. 982-989 in Turkish Journal of Computer and Mathematics Education TURCOMAT, ISSN: 1309-4653.
7. Kushal Roy, **Tilak Mukherjee**, “Fabrication of optimized remote thermal sensors for determining the temperature of hazardous chemicals using La modified PZT electro nano ceramics”,Vol. 6, Issue 1A-2020,pp.1-6 in Int.J.HIT Transaction on ECCN, ISSN: 0973-6875.
8. **Tilak Mukherjee**, Pranab Goswami, Bidyut Das,“ Image Compression using Lifting Scheme”, Vol. 1, Issue 1A,2016,pp.125-130 in Int.J.HIT Transaction on ECCN, ISSN: 0973-6875.
9. Pallavi Puja, **Tilak Mukherjee**, Kanak Kumar, “ Image compression and filtering operation analysis using integer wavelet transform”,vol.3, No.9,pp. 3178-3181, 2014 in IJARCET (Int. Journal of Advanced research in Computer Engineering & Technology), ISSN:2278-1323.

#### CONFERENCE PUBLICATIONS: Published-6 (Scopus Indexed: 5)

- 1.Kushal Roy, **Tilak Mukherjee**, Angshuman Majumdar, “Prediction of Far Field Profile in Optical Kerr Type Nonlinear Triangular Index Profile Fiber of  $LP_{11}$  Mode using Simple and Accurate Chebyshev Technique”, published in **Springer LNEE Book Series** vol. 1046, pp.367-377( [https://doi.org/10.1007/978-981-99-2710-4\\_30](https://doi.org/10.1007/978-981-99-2710-4_30)) in Proceedings of **4<sup>th</sup> ICCDC, 2023**. [SCOPUS]
2. Satyanarayana Talam, Ayesha Begum, M.B.Chakravarthi, **Tilak Mukherjee**, Poornaiah Billa, Rambabu Busi, “Impact of Stress Concentrated Region on MEMS Based Piezoelectric Energy Harvester”, published in **Springer LNEE Book Series** vol.1046, pp.657-664 ([https://doi.org/10.1007/978-981-99-2710-4\\_52](https://doi.org/10.1007/978-981-99-2710-4_52)) in Proceedings of **4<sup>th</sup> ICCDC,2023**. [SCOPUS]
3. **Tilak Mukherjee**, Angshuman Majumdar,Sankar Gangopadhyay, “Accurate Estimation of Dimensionless Vector And Scalar Propagation Constants For First Higher Order Mode of Kerr Type Nonlinear Graded Index Fiber by Simple Mathematical Formalism”,published in **Springer LNEE Book Series** Vol 851, ISBN 978-981-16-9154-6\_19 in Proceedings of **3<sup>rd</sup> ICCDC, 2021**. [SCOPUS]
4. **Tilak Mukherjee**, Angshuman Majumdar, Sankar Gangopadhyay, “Kerr Nonlinearity Effect on Dimensionless Scalar

and Vector Propagation Constants of Single-Mode Graded Index Fiber: Estimation by a Simple but Accurate Method”, 2<sup>nd</sup> International Conference on VLSI Device, Circuit and System **IEEE VLSI DCS-2020** July 2020(organized by IEEE chapter, MSIT Kolkata), published in **IEEE Xplore proceedings**. DOI: 10.1109/VLSIDCS47293.2020.9179865. [SCOPUS]

**5.Tilak Mukherjee** and D.Nandi (Das), “ Review of Atmospheric precursors for earthquake prediction model”, published in Proceedings of 2<sup>nd</sup> ICCDC 2019, **Springer LNEE** Book Series, ([https://doi.org/10.1007/978-981-15-0829-5\\_57](https://doi.org/10.1007/978-981-15-0829-5_57)) organized by HIT, Haldia. [SCOPUS]

**6.Tilak Mukherjee**, Dr.Bishnu Prasad De, Kushal Roy, “Characteristic Study of Microstrip Patch for Different Substrates,”Vol. 6 Issue 5 May 2017 ,pp.257-262 published in **IJECS**(International Journal of Electronics, Electrical and Computational System ISSN: 2348-117X) for 3<sup>rd</sup> International Conference on Recent Trends in Engg, Applied Science and Management(**ICRTESM 2017**) jointly conducted by IETE Chapter, Pune. [UGC approved]

### **OTHER BOOK PUBLICATIONS:**

**1.Tilak Mukherjee**, “A Literature survey on the emerging trends in the telecommunications”, in Handbook of Trends in Engineering Technology and Research-AGPH, vol. 1, Aug 2022 (ISBN: 978-93-94339-64-4).

**2.Kisalaya Chakraborti**, Kushal Roy and **Tilak Mukherjee** with Lambert Academic Publishing LAP (ISBN 978-6200-22054-7) titled ‘**Metal Detector Robotic Vehicle**’ in July 2019.

**3.Tilak Mukherjee** and Sourav Mandal with Lambert Academic Publishing LAP (ISBN 978-3-659- 77466-9) titled ‘**Performance Analysis of Integer Wavelet Transform in Image Compression**’, in Sept 2015.

### **NATIONAL SEMINAR:-**

1. Participated in National Symposium on ‘**IoT and Cloud Computing NSIC 2025**’ organized by HIT in Jan, 2025.
2. Participated in ‘**Sustainable Energy**’ seminar talk organized by HIT in March, 2024
3. Participated in ‘**Renewable Energy Integration in Smart Grid Environment**’ seminar talk organized by HIT in Jan, 2024.
4. Participated in ‘**IPR and Innovations**’ workshop organized by HIT in association with DST in Aug, 2023.
5. Participated in ‘National Intellectual Property Awareness Mission-**NIPAM**’ organized by HIT in association with IPO, India in Dec, 2021.
6. Participated in National Seminar on ‘National Education Policy **NEP 2020**’ in HIT, Haldia in Nov, 2021.
7. Presented paper “**Analysis of Atmospheric precursor anomalies associated with EQ Events: Role of Machine Learning.**” for seminar on ‘Recent developments in the multiple facets of higher education’ in Brainware University, Kolkata (Published in Brainwave: A Multidisciplinary Journal, ISSN: 2582-659X, Vol.1, No.1, April 2020,pp.1-7).

### **Other Roles:**

- Attended Conferences ICITAM 2017, ICCDC 2017, ICMC 2017. Organizing Committee Member for ICMC 2017, ICITAM 2017, ICCDC 2017, ICCDC 2019, ICCDC 2021, ICCDC 2023 and other major events of the Department & Institute.
- Paper presenter in ICEMC 2020, Reviewer for ICCDC 2019, ICCDC 2021, IWEG 2022, ICCDC 2023, ASPCON 2023, IACOP 2024.
- Reviewer for ISRS, JOC, Discover Electronics Journal, BP International Publications.
- Session Chair for Conferences XICAI 2024 and IRRET 2024.

### **PATENT FILED / PUBLISHED:**

1. Indian patent titled ‘Innovative Visibility Enhancement for Poor Quality Images in Inclement Dusty Weather’ filed and published in March, 2024 as co-applicant with **Application No. 202441011964** .
- 2.Indian patent titled ‘An Advanced Multi-Generation Vapour Compression Absorption Refrigeration System (V-CARS)’ filed and published in Feb, 2024 as co-applicant with **Application No. 202421001431**.
- 3.Registered for Canadian Copyright titled ‘Operating Method for an Image Generating Medical Engineering Assembly’ (Category: Literary) as **Co-Owner** with **Registration No.1188348** in Nov, 2021.

### **LIST OF FDP/STTP/MOOCs ATTENDED (LAST 5 YEARS):-**

| Sl.No.                        | Event Name                                                                                                                       | Duration                                               |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Academic Year: 2024-25</b> |                                                                                                                                  |                                                        |
| 1                             | ATAL FDP on ‘ <b>Emergence of Cloud Computing, Cloud Technologies and Recent Trends</b> ’ organized by Techno International, WB. | 13 <sup>th</sup> Jan to 18 <sup>th</sup> Jan, 2025     |
| 2                             | FDP on ‘ <b>Emerging Technologies in Electronics &amp; Electrical Engineering with AI Applications</b> ’ organized by TIU, W.B.  | 9 <sup>th</sup> Dec to 14 <sup>th</sup> Dec, 2024      |
| 3                             | NPTEL FDP-MOOC on ‘ <b>Python for Data Science</b> ’ by IIT Madras. (Elite)                                                      | July-Aug, 2024 (4 weeks)                               |
| 4                             | FDP on ‘ <b>OBE and Advanced Research in Electrical Engineering (OBEAREE-2024)</b> ’ organized by HIT, Haldia.                   | 12 <sup>th</sup> Aug to 17 <sup>th</sup> Aug, 2024     |
| 5                             | FDP on ‘ <b>Innovation in Recent Trends and Research Applications on Computing and Informatics</b> ’ organized by HIT, Haldia.   | 29 <sup>th</sup> July to 2 <sup>nd</sup> Aug, 2024     |
| 6                             | FDP on ‘ <b>Explainable AI in Healthcare</b> ’ organized by JIS Engg. College, Kalyani, W.B.                                     | 1 <sup>st</sup> July to 5 <sup>th</sup> July, 2024     |
| <b>Academic Year: 2023-24</b> |                                                                                                                                  |                                                        |
| 1                             | FDP on ‘ <b>Recent Advances and future trends in AI and NLP</b> ’ organized by GIST, Haldia.                                     | 15 <sup>th</sup> April to 19 <sup>th</sup> April, 2024 |

|                                                                                                           |                                                                                                                                                    |                                                       |
|-----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| 2                                                                                                         | FDP on 'Recent Advancement on Microwave and mm-wave Communication (RAMMC 2024)' organized by HIT,Haldia.                                           | 8 <sup>th</sup> April to 12 <sup>th</sup> April, 2024 |
| 3                                                                                                         | FDP on 'Modern and Innovative Tools in Engineering Education' organized by Dr.Sudhir Chandra Sur Degree Engg. College, Kolkata.                    | 15 <sup>th</sup> Jan to 19 <sup>th</sup> Jan, 2024    |
| 4                                                                                                         | FDP on 'Innovative Research Prospects in Electrical and Electronic System Integrating AI & Machine Learning Techniques' organized by IEM, Kolkata. | 28 <sup>th</sup> Nov to 2 <sup>nd</sup> Dec, 2023     |
| 5                                                                                                         | FDP on 'Cyber Intelligence and Awareness on Social Media Security' organized by IEM, Kolkata.                                                      | 27 <sup>th</sup> Nov to 1 <sup>st</sup> Dec, 2023     |
| 6                                                                                                         | FDP on 'Industrial Waste Water Management-IWWM 2023' organized by HIT, Haldia.                                                                     | 28 <sup>th</sup> Aug to 1 <sup>st</sup> Sept, 2023    |
| 7                                                                                                         | FDP on 'Innovation in Recent Trends and Research Application on Computing and Informatics' organized by HIT, Haldia.                               | 31 <sup>st</sup> July to 4 <sup>th</sup> Aug, 2023    |
| <b>Academic Year: 2022-23</b>                                                                             |                                                                                                                                                    |                                                       |
| 1                                                                                                         | FDP on 'Advancements in Next Generation Computing and Communications in IoT age' organized by IEM, Kolkata.                                        | 19 <sup>th</sup> to 23 <sup>rd</sup> June, 2023       |
| 2                                                                                                         | FDP on 'Recent Trends of Microwave and mm-wave Communication (RAMMC 2023)' organized by HIT,Haldia                                                 | 2 <sup>nd</sup> to 6 <sup>th</sup> Jan, 2023          |
| 3                                                                                                         | FDP on 'Emerging Trends in IoT Enabled Wireless Communication' organized by HIT, Haldia                                                            | 8 <sup>th</sup> to 12 <sup>th</sup> Aug, 2022         |
| 4                                                                                                         | FDP on 'Computational Methodologies' organized by HIT,Haldia                                                                                       | 1 <sup>st</sup> to 5 <sup>th</sup> Aug,2022           |
| 5                                                                                                         | FDP on 'Research Trends and Methodologies in ML' organized by HIT, Haldia                                                                          | 25 <sup>th</sup> to 29 <sup>th</sup> July,2022        |
| 6                                                                                                         | FDP on 'Recent Trend and Research Application on IoT and Machine Learning' organized by HIT, Haldia.                                               | 12 <sup>th</sup> to 16 <sup>th</sup> July, 2022       |
| <b>Academic Year: 2021-22</b>                                                                             |                                                                                                                                                    |                                                       |
| 1                                                                                                         | FDP on 'Universal Human Values in Engineering Domain' organized by HIT,Haldia.                                                                     | 4 <sup>th</sup> to 8 <sup>th</sup> May, 2022          |
| 2                                                                                                         | NPTEL FDP-MOOC on 'Transmission lines and EM waves' by IIT Madras.(Course Topper)                                                                  | Jan-April,2022(12 weeks equivalent to 1.5 week FDP)   |
| 3                                                                                                         | AICTE sponsored online QIP short term course on 'Emerging Applications of Engineering Electromagnetics' conducted by IITDM, Kancheepuram.          | 17 <sup>th</sup> to 22 <sup>nd</sup> Feb, 2022        |
| 4                                                                                                         | FDP on 'Inculcating Universal Human Values in Technical Education' organized by AICTE.                                                             | 20 <sup>th</sup> to 24 <sup>th</sup> Dec, 2021        |
| 5                                                                                                         | FDP on 'Application of Data Science and Analytics' organized by XIM University, Bhubaneswar.                                                       | 13 <sup>th</sup> to 17 <sup>th</sup> Dec, 2021        |
| 6                                                                                                         | ATAL FDP on 'Recent trends in Optoelectronics and Optical Communications'.                                                                         | 15 <sup>th</sup> to 19 <sup>th</sup> Nov,2021         |
| 7                                                                                                         | FDP on 'Semiconductor device, microwave and renewable energy SDMRE -2021' organized by Asansol Engg College, W.B                                   | 21 <sup>st</sup> to 25 <sup>th</sup> Sept,2021        |
| 8                                                                                                         | ATAL FDP on 'Recent trends and applications of GIS & remote sensing using AI'.                                                                     | 13 <sup>th</sup> to 17 <sup>th</sup> Sept,2021        |
| 9                                                                                                         | FDP on 'Research applications in AI and Machine learning' organized by HIT,Haldia                                                                  | 6 <sup>th</sup> to 10 <sup>th</sup> Sept,2021         |
| <b>Academic Year: 2020-21</b>                                                                             |                                                                                                                                                    |                                                       |
| 1                                                                                                         | National webinar on 'Recent advancement of system design towards 5G communication' organized by HIT, Haldia.                                       | 11 <sup>th</sup> to 13 <sup>th</sup> Jan,2021         |
| 2                                                                                                         | AICTE sponsored STTP on 'OBE and Quality Assurance in Teaching' conducted by SCMS School of Technology &Management, Kerala.                        | 16 <sup>th</sup> to 21 <sup>st</sup> Nov,2020         |
| 3                                                                                                         | International Webinar on 'Effective Approach to the Essentials of Research' organized by KSG College,Tamil Nadu.                                   | 17 <sup>th</sup> to 21 <sup>st</sup> Nov,2020         |
| 4                                                                                                         | FDP on 'Solar Energy Utilization' organized by NIT,Patna.                                                                                          | 14 <sup>th</sup> to 18 <sup>th</sup> Sept,2020        |
| 5                                                                                                         | FDP on 'Deeksharambh (Student Induction Program)' organized by NIT,Patna.                                                                          | 10 <sup>th</sup> to 14 <sup>th</sup> Aug,2020         |
| 6                                                                                                         | Training on 'Intellectual Property Rights &Patent facilitation' organized by MIT-ADT University, Pune in support with NITI Aayog.                  | 6 <sup>th</sup> to 8 <sup>th</sup> July,2020          |
| <b>Other FDPs</b>                                                                                         |                                                                                                                                                    |                                                       |
| 1                                                                                                         | NPTEL FDP-MOOC on 'Fiber Optic Communication Systems and Techniques' by IIT Kanpur.                                                                | Jul-Oct,2019(12 weeks equivalent to 1.5 week FDP)     |
| 2                                                                                                         | NPTEL FDP-MOOC on 'Introduction to Research' by IIT Madras.                                                                                        | Aug-Sept,2018(8 weeks equivalent to 1week FDP)        |
| 3                                                                                                         | NPTEL FDP-MOOC on 'Principles of Signal Estimation for MIMO/OFDM Wireless Communication' by IIT Kanpur.                                            | Jul-Oct,2018(12 weeks equivalent to 1.5 week FDP)     |
| 4                                                                                                         | FDP on 'Fundamental of Curriculum in Engineering Education' by SWAYAM.                                                                             | 1 <sup>st</sup> to 20 <sup>th</sup> Aug,2018          |
| <b>*Many other training programs, workshops, FDPs attended from time to time since 2003 to till date.</b> |                                                                                                                                                    |                                                       |

### **PROFESSIONAL SOCIETY MEMBERSHIP:-**

Member of I.E.T.E (Life Membership No. M 236799) and other bodies IAENG, ISRD, SDIWC.

### **PERSONAL INFORMATION:-**

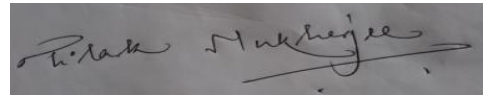
|                        |                                                      |
|------------------------|------------------------------------------------------|
| <b>Languages known</b> | English, Hindi, Bengali.                             |
| <b>Parents</b>         | Mr.Ajay Kumar Mukherjee , Mrs.Anjushree Mukherjee    |
| <b>Date of Birth</b>   | 21/08/1979                                           |
| <b>Spouse</b>          | Mrs.Sunita Pachal Mukherjee (having one son Swastik) |
| <b>Hobbies</b>         | Music, Cooking                                       |

**REFERENCES:**

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**DECLARATION:**

I hereby declare that above furnished particulars are true to the best of my knowledge and belief.



**DR. TILAK MUKHERJEE**

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