

# Dr. Saptarshi Gupta

Associate Professor

Department of Electronics and Communication Engineering

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## Education:

Degree	Specialization	University/College/School	Year of Passing
Ph.D	ECE - Antenna Design	Noida International University, India	2020
M.Tech	Digital Communication and Networking	SRM University, KTR Campus, Tamil Nadu	2010
B.Tech	Electronics and Communication Engineering	West Bengal University of Technology, India	2008

## Teaching Experience:

SI No.	Name of the Organization	Position Held	Duration
1.	All Nations University, Koforidua, Ghana, West Africa	Lecturer, ECE Dept.	23/06/2010 – 02/06/2013
2.	SRM Institute of Science and Technology, Ghaziabad, U.P., India	Assistant Professor ECE Dept.	24/07/2013 – 08/06/2023
3.	SRM Institute of Science and Technology, Ghaziabad, U.P., India	Associate Professor ECE Dept.	09/06/2023 - Till date

**PhD Guiding (Ongoing):** 06

**Patent: 01 (Australian patent- Granted), 01 Indian design application under review (370453-001)**

Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	
1	2021104519	Automatic Electric Cooling Fan System; a device and thereof	B, Srinath DR; Chaurasia, Giraja Shankar DR; G, Shanthi DR; Gupta, Saptarshi DR; K S, Kavitha Kumari PROF; K, Vijayan DR; Mani, Prashant DR; S, Satish Kumar PROF; Srikant, Satya Sai DR; Vishnoi, Manoj Kumar PROF	Mani, Prashant; Srikant, Satya Sai; Chaurasia, Giraja Shankar; K. S., Kavitha Kumari; S., Satish Kumar; Gupta, Saptarshi; G., Shanthi; B., Srinath; Vishnoi, Manoj Kumar; K., Vijayan	2021-07-24	GRANTED

### **Journal Reviewer:**

- ❖ Computers and Electrical Engineering- Elsevier Journal
- ❖ International Journal of Communication Systems- Wiley
- ❖ Iranian Journal of Electrical and Electronic Engineering
- ❖ Frontiers in Psychology

### **Research Interests:**

- ❖ Antenna Design.
- ❖ IoT and Embedded System.

### **Journal Publications**

J18. Sayak Gupta, Manash Sarkar, **Saptarshi Gupta**, Kanad Ray, Malak Alqahtani, Amal Al-Rasheed, Mohamed Abbas and Saurav Mallik, Telecom Service Quality for Customer Satisfaction and Customer Loyalty at A1 Metro City, Humanities and Social Sciences Communications, **Nature (SSCI, Scopus) (Accepted)**.

J17. Shikha, **Gupta, S.**, Sai, S.S. et al. An investigation of radio over fiber link in terms of Q-Factor for the used photonic modulator over dispersive medium. Journal of Optics, Springer (October 2024) (**ESCI, Scopus**).

<https://link.springer.com/article/10.1007/s12596-024-02234-w#citeas>

J16. Shipra Srivastava, **Saptarshi Gupta**, Vibhav Kumar Sachan, Gaurav Saxena, Satya Sai Srikant, High gain circularly polarized graphene inspired dielectric resonator antenna for 6G IOT THz optical communication and optical refractive index Biosensing applications, Engineering Science and Technology, an International Journal, Volume 49, 101603, Jan. 2024, ISSN 2215-0986. **SCI (IF 5.7)**

<https://www.sciencedirect.com/science/article/pii/S2215098623002811>

J15. Shipra Srivastava, **Saptarshi Gupta**, Vibhav Kumar Sachan, Satya Sai Shrikant, Diagonally Symmetric Slotted Microstrip Patch Antenna with Circular Polarization for UHF Trans-Receiver And RFID System, Journal of Technology, vol 38, no 4, pp. 267-274, Dec. 2023. **SCOPUS (SNIP-0.220)**

<https://www.airitilibrary.com/Article/Detail?DocID=10123407-N202312210014-00003>

J14. S. Srivastava, **S. Gupta**, V. K. Sachan, and S. S. Srikant, “Design of Circularly Polarized Microstrip Antenna with slotted Split ring array for Video Surveillance Applications at C-Band ”, ijmst, vol. 10, no. 3, pp. 1756-1765, Sep. 2023. **SCOPUS (SNIP-0.464)**

<https://cosmoscholars.com/phms/index.php/ijmst/article/view/1795/1729>

J13. Selvabharathi Devadoss, Palanisamy Ramasamy, Amit, Aditya Agarwal, **Saptarshi Gupta**, “ Design of 15 level reduced switches inverter topology using MSPWM”, TELKOMNIKA Telecommunication Computing Electronics and Control, Vol. 21, No. 1, pp. 214~222, February 2023, ISSN: 1693-6930, DOI: 10.12928/TELKOMNIKA.v21i1.24263 **SCOPUS (SNIP-0.579)**

<http://telkomnika.uad.ac.id/index.php/TELKOMNIKA/article/view/24263/11575>

J12. Pharindra Sharma, **Saptarshi Gupta**, Aditya Agarwal, Neeraj Sahu, Vinothkumar M, Manoj Kumar Vishnoi, Amit, Anurag Singh, “Eminent Method of Voice Identification by Applying Pitch, Intensity and

Pulse”, *American Institute of Physics Conference Proceedings*, Vol.2393, No. 1, pp. 020079-1-020079-6, 19 May 2022, ISSN:0094-243X/ISSN:1551-7616, doi: 10.1063/5.0074174.(**SCOPUS SNIP- 0.314**)

<https://aip.scitation.org/doi/10.1063/5.0074174>

J11. AlQaheri H., Sarkar M., **Gupta S.**, Gaur B. (2022). Intelligent Cloud IoMT Health Monitoring-Based System for COVID-19. *CMC-Computers, Materials & Continua*, ISSN:1546-2218, E-ISSN:1546-2226, 72(1), 497–517,24 February 2022.(**SCI IF- 3.772, SCOPUS SNIP- 3.089**)

<https://www.techscience.com/cmc/v72n1/46844>

J10. Anand Pandey, Pankaj Singh, Prashant Mani, **Saptarshi Gupta**, Jay Prakash Narayan Verma, “Message Ferry Route Calculation through K-means Clustering Algorithm for Partially-Connected MANET”, *Webology*, ISSN: 1735-188X, Volume 17, Number 2, pp.15-30, 01 December 2020. (**SCOPUS SNIP- 0.945**)

<https://www.webology.org/data-cms/articles/20201217045341pmWEB17013.pdf>

J9. Sarkar M, Singh A, **Gupta S**, Hassanien AE. Smart antenna design for high-speed moving vehicles with minimum return loss, *International Journal of Communication System (Wiley)*, ISSN: 1099-1131, Vol.33, No. 11, pp. 1-22,14 April 2020;( **SCI IF- 2.047, SCOPUS SNIP- 0.781**)

<https://onlinelibrary.wiley.com/doi/abs/10.1002/dac.4414>

J8. **Saptarshi Gupta** and R L Sharma, Circular split ring resonator loaded circular patch Microstrip antenna for 5.2 GHz ISM band, *International Journal of Intelligent Engineering and Systems (IJIES)*, Japan, ISSN: 2185-3118, Vol.11, No.5: pp.246-253, 2018. (**SCOPUS SNIP- 0.552**)

<http://www.inass.org/2018/2018103123.pdf>

J7. M.Vinothkumar, Abhishek Chauhan and **Saptarshi Gupta**, Review of Planar Slow Wave Structures for Travelling Wave Tube, *International Journal of Pure and Applied Mathematics*, ISSN: 1311-8080,1314-3395, Vol. 119, Special, pp. 273-277, 27-03-2018. (**SCOPUS SNIP-0.756**)

<https://www.acadpubl.eu/jsi/2018-119-10/articles/10c/38.pdf>

J6. **Saptarshi Gupta** and R L Sharma, Design, performance analysis and comparison of nearly square, nearly square corner trimmed and nearly square corner trimmed with slot antenna for 5.2 GHZ wireless applications. *VSRD International Journal of Technical & Non Technical Research*, e-ISSN: 0976-7967, p-ISSN: 2319-2216, Vol. 8, No. 8: pp. 209-214, 2017 (**UGC Approved**)

[http://www.vsrjournals.com/pdf/VSRDIJTNR/2017\\_8\\_August/1\\_Saptarshi\\_Gupta\\_VSRDIJTNR\\_13326\\_Research\\_Paper\\_8\\_8\\_August\\_2017.pdf](http://www.vsrjournals.com/pdf/VSRDIJTNR/2017_8_August/1_Saptarshi_Gupta_VSRDIJTNR_13326_Research_Paper_8_8_August_2017.pdf)

J5. Tamunotonye charles Makinson and **Saptarshi Gupta**, “Design and construction of a Tidal to electrical energy converter (with MatLab simulink),” *International journal of engineering research & management technology* ISSN: 2348-4039, 2014.

<https://ijermt.org/publication/1/14%20Saptrishi%2014.pdf>

J4. **Saptarshi Gupta** and P Bose, “Renewable energy: Survey,” *International journal of engineering sciences & research technology (IJSERT)*, ISSN: 2277-9655, Volume 2 Issue 4, April 2013.

[http://www.ijesrt.com/issues%20pdf%20file/Archives%202013/april\\_2013/25.pdf](http://www.ijesrt.com/issues%20pdf%20file/Archives%202013/april_2013/25.pdf)

J3. **Saptarshi Gupta**, “Comparative Path Loss Analysis Of Okumura And COST 231 Models For Wireless Mobile Communication Using MATLAB Simulation,” *International Journal of Engineering Research & Technology (IJERT)*,ISSN: 2278-0181,Vol. 2 Issue 3, March – 2013.

<https://www.ijert.org/research/comparative-path-loss-analysis-of-okumura-and-cost-231-models-for-wireless-mobile-communication-using-matlab-simulation-IJERTV2IS3033.pdf>

J2. **Saptarshi Gupta**, Dr Rajan John, Tannia Rubavathy, “Performance analysis of hybrid (M/M/1 and M/M/m) client server model using Queuing theory,” *International Journal of Electronics and Computer Science*

Engineering (IJECS), ISSN NO-2277-1956, Volume 2, Number 1, (December 2012-February 2013), pp. 241-250.

<https://core.ac.uk/download/pdf/25730797.pdf>

J1. **Saptarshi Gupta** and Harish Kalla, "Performance analysis of Client-Server model using queuing theory," International journal of Engineering Science (Nigeria), Volume 3, Number 1, July 2011 pp.26-35.

<https://drive.google.com/file/d/1tOblZclW0B7jL6V7vjFa-VDZou6sIMu/view?usp=sharing>

### **Papers Presented (Conference/Seminar)**

C17. Shipra Srivastava, Vibhav Kumar Sachan, **Saptarshi Gupta**, Satya Sai Srikant, "Design of diagonally slotted microstrip antenna for Wireless applications", Proceedings of ISETE International Conference (16 Oct 2022), New Delhi, India, ISBN: 978-93-90150-31-1.

[https://www.digitalxplore.org/up\\_proc/pdf/1797-167186894334-36.pdf](https://www.digitalxplore.org/up_proc/pdf/1797-167186894334-36.pdf)

C16. Shipra Srivastava, Vibhav Kumar Sachan, **Saptarshi Gupta**, Satya Sai Srikant, "Circularly Polarized Microstrip Rectangular Antenna for Wireless Communication Applications at C Band", Proceedings of IRF International Conference, New Delhi, India, ISBN: 978-93-90150-31-1

[https://www.digitalxplore.org/up\\_proc/pdf/1969-168273896732-35.pdf](https://www.digitalxplore.org/up_proc/pdf/1969-168273896732-35.pdf)

C15. Chauhan, P., Gupta, S., "Challenges and Future Perspectives of Low-Power VLSI Circuits: A Study", Modern Electronics Devices and Communication Systems. Lecture Notes in Electrical Engineering, vol 948. Springer, Singapore, Feb 2023 (**SCOPUS**).

[https://link.springer.com/chapter/10.1007/978-981-19-6383-4\\_46#citeas](https://link.springer.com/chapter/10.1007/978-981-19-6383-4_46#citeas)

C14. Gupta, S., **Gupta, S.**, Katiyar, S., "Analysis of Antennas for IoT Environment", Proceedings of Second International Conference on Computational Electronics for Wireless Communications. Lecture Notes in Networks and Systems, vol 554. Springer, Singapore, doi.org/10.1007/978-981-19-6661-3\_4, 28 January 2023 (**SCOPUS**).

[https://link.springer.com/chapter/10.1007/978-981-19-6661-3\\_4](https://link.springer.com/chapter/10.1007/978-981-19-6661-3_4)

C13. P. Paramjeet, **S. Gupta**, V. Jain and H. M. Gaur, "Cost Optimized Design of Full Adder in QCA Technology," 2022 3rd International Conference on Computing, Analytics and Networks (ICAN), Rajpura, Punjab, India, pp. 1-6, doi: 10.1109/ICAN56228.2022.10007199, Date Added to IEEE Xplore: 13 January 2022 (**SCOPUS**).

<https://ieeexplore.ieee.org/document/10007199>

C12. **Saptarshi Gupta**, Neeta Awasthy and R. L. Sharma, Design and Performance Analysis of Circular Microstrip Patch Array (2×2) for S-Band Wireless Applications, *Micro-Electronics and Telecommunication Engineering*, Lecture Notes in Networks and Systems 106, [https://doi.org/10.1007/978-981-15-2329-8\\_53](https://doi.org/10.1007/978-981-15-2329-8_53), pp. 521-529, First Online: 03 April 2020 (**SCOPUS**)

[https://link.springer.com/chapter/10.1007/978-981-15-2329-8\\_53](https://link.springer.com/chapter/10.1007/978-981-15-2329-8_53)

C11. Ankit Kumar Chaubey, **Saptarshi Gupta**, Arun Kumar, Parasitic multilayer micro strip patch antenna for 4.40 GHz C-band application, 2018 2nd International Conference on Micro-Electronics and Telecommunication Engineering, pp. 271-276, 20-21 Sept. 2018, Date Added to IEEE Xplore: 24 June 2019 (**SCOPUS**)

<https://ieeexplore.ieee.org/document/8742811>

C10. **Saptarshi Gupta**, Survey on Metamaterial and its application, Seminar presentation on 26-28 April 2019, Organized by Ministry of HRG, Government of India.

[https://drive.google.com/file/d/1N05hL-W2e7QYwpbO\\_wRwWKeBjucVeMof/view?usp=sharing](https://drive.google.com/file/d/1N05hL-W2e7QYwpbO_wRwWKeBjucVeMof/view?usp=sharing)

C9. **Saptarshi Gupta** and R L Sharma, 2018, Design and performance analysis of conformal antenna for C band wireless applications, IEEE ICMETE 2018, pp. 176-180, 20-21 Sept. 2018 (**SCOPUS**)

<https://ieeexplore.ieee.org/abstract/document/8742813>

C8. Anurag Verma, Arun Kumar, **Saptarshi Gupta**, Design & performance analysis of round micro-strip Patch antennae 2×4 array for 2.40 Ghz wireless Demands, MARC-2018 Applications of Computing, Automation and Wireless Systems in Electrical Engineering, Springer Lecture Notes in Electrical Engineering (LNEE series), pp- 759-771, First Online: 01 June 2019 (**SCOPUS**)

[https://link.springer.com/chapter/10.1007/978-981-13-6772-4\\_65](https://link.springer.com/chapter/10.1007/978-981-13-6772-4_65)

C7. **Saptarshi Gupta** and R L Sharma, A Review paper on analysis method of Microstrip Patch Antenna, National Conference on Communication & Networking (NCCN-2016) November 8th & 9th 2016, Noida International University, Gautam Budh Nagar, Uttar Pradesh, India, 2016.

<https://drive.google.com/file/d/1wEBSEtt6lpQHjm6F8ufBS4XRnYLwguRJ/view?usp=sharing>

C6. **Saptarshi Gupta** and R.L. Sharma, Review on Microstrip Patch Antenna and Applications, International conference on “Make in India: Where are we now & where to go (ICMII 2016, 18-19 February)” held at Noida International University, Gautam Budh Nagar, Uttar Pradesh, India.

[http://www.vsrjournals.com/docs/VSRDIJTNTNTR\\_February\\_2016\\_Special\\_Issue.pdf](http://www.vsrjournals.com/docs/VSRDIJTNTNTR_February_2016_Special_Issue.pdf)

C5. Dr Mangla Yadav, **Saptarshi Gupta**, “Effective teaching Strategies” Proceedings of the National seminar on “Innovative practices in Teachers education” at Ginni Devi Modi Institute of Education, 25<sup>th</sup> January 2014.

<https://drive.google.com/file/d/1tcBmbw1KCPCvrWeCSsUbr0yBEe06y3ed/view?usp=sharing>

C4. Tamunotonye Charles Mackinson, **Saptarshi Gupta**, Anurag Singh, “Design and Construction of A Tidal To Electrical Energy Converter (with Matlab Simulink)” Proceedings of the 2<sup>nd</sup> National Conference on Recent Trends in Information and Communication Technology (NCRTICT-2013), ISBN: 978-93-83083-31-2, pp. 321-324, 27<sup>th</sup> September 2013.

[https://drive.google.com/file/d/1SAwHqMne6dONmKzxs\\_Nm6JpuQ9ybIwCf/view?usp=sharing](https://drive.google.com/file/d/1SAwHqMne6dONmKzxs_Nm6JpuQ9ybIwCf/view?usp=sharing)

C3. S.Y. Nusenu, **Saptarshi Gupta**, Diganta Das and Sayak Gupta, “Picture Quality Improvement through Morphological Transformation,” Proceedings of the 5<sup>th</sup> Ghana Biomedical Convention, pp.65, 30<sup>th</sup> July-1<sup>st</sup> August, 2012, University of Ghana, Legon, Accra, Ghana, West Africa.

<https://cobreg.org/wp-content/uploads/2012/08/GBC-2012-1.pdf>

C2. **Saptarshi Gupta**, Harish Kalla and Sayak Gupta, “Bringing Biosensor and RedTacton Together – A PROPOSAL,” *Proceedings of the 4<sup>th</sup> Ghana Biomedical Convention*, pp.47, 27<sup>th</sup> -29<sup>th</sup> July, 2011, Kwame Nkrumah University of Science and Technology, Kumasi, Ghana, West Africa.

[https://cobreg.org/wp-content/uploads/2012/02/2011\\_Conference\\_proceedings-1.pdf](https://cobreg.org/wp-content/uploads/2012/02/2011_Conference_proceedings-1.pdf)

C1. **Saptarshi Gupta** and Harish Kalla, “Performance analysis of Client-Server model using queuing theory,” *Proceedings of the 4<sup>th</sup> International Conference on Research and Development*, Volume 4, Number 11, pp. 44-53, May 31-june 3, 2011, Université de Lome, Republic of Togo.

<https://drive.google.com/file/d/1eDm8fBwkIDGpzfNDWiOL6sq2lciQIPdj/view?usp=sharing>



## Book Chapters

B7. Paramjeet, **Saptarshi Gupta** and Hari Mohan Gaur, “Investigations on Designing of Adders, Multiplexers and Flip-Flops for Fast Memories Development in QCA Technology”, Quantum-Dot Cellular Automata circuits for Nanocomputing Applications, 31 July 2023, CRC Press.

<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003361633-2/investigations-designing-adders-multiplexers-flip-flops-fast-memories-development-qca-technology-paramjeet-saptarshi-gupta-hari-mohan-gaur?context=ubx&refId=a9c09e11-76aa-4ada-a639-7e4cd73>

B6. Manash Sarkar, Hameed Al Qaheri, Diksha Jaiswal, Atul Kumar, Tanisha Mukherjee, Vinay Shree Pandey, **Saptarshi Gupta**, “An Intelligent Health Diagnosis System based on a Secure Data Transfer through Li-Fi Technology”, Intelligent Systems Reference Library, New Trends and Applications in Internet of Things (IoT) and Big Data Analytics (Springer), Vol 221, pp. 149-171, Print ISBN978-3-030-99328-3, Online ISBN978-3-030-99329-0, First Online: 17 May 2022 (**SCOPUS**)

[https://link.springer.com/chapter/10.1007/978-3-030-99329-0\\_11](https://link.springer.com/chapter/10.1007/978-3-030-99329-0_11)

B5. **Saptarshi Gupta**, Manash Sarkar, Harpreet Kaur, Maroi Agrebi, Arup Roy, “An Efficient Data Transferring through Li-Fi Technology: a Smart Home Appliance”, Studies in Big Data - Multimedia Technologies in the Internet of Things Environment (Springer), Vol 108, pp. 59-78, Print ISBN978-981-19-0923-8, Online ISBN978-981-19-0924-5, First Online: 05 April 2022 (**SCOPUS**).

[https://link.springer.com/chapter/10.1007/978-981-19-0924-5\\_4](https://link.springer.com/chapter/10.1007/978-981-19-0924-5_4)

B4. Manash Sarkar, Arup Roy, Youakim Badr, Bhavya Gaur, **Saptarshi Gupta**, “An Intelligent Music Recommendation Framework for Multimedia Big Data: a Journey of Entertainment Industry”, Studies in Big Data-Multimedia Technologies in the Internet of Things Environment (Springer), Vol 2, pp. 39-67, Print ISBN 978-981-16-3827-5, Online ISBN 978-981-16-3828-2, First Online: 30 July 2021 (**SCOPUS**).

[https://link.springer.com/chapter/10.1007/978-981-16-3828-2\\_3](https://link.springer.com/chapter/10.1007/978-981-16-3828-2_3)

B3. Satya Sai Srikant, **Saptarshi Gupta**, and Atul Kumar Pandey, “Prospects of MMIC Antennas”, Advances in Antenna, Signal Processing, and Microelectronics Engineering, Apple Academic Press, Advances in Antenna, Signal Processing, and Microelectronics Engineering (1<sup>st</sup> edition), eBook ISBN9781003006190, September 2021, USA.

<https://www.taylorfrancis.com/chapters/edit/10.1201/9781003006190-5/prospects-mmic-antennas-satya-sai-srikant-saptarshi-gupta-atul-kumar-pandey>

B2. Manash Sarkar, **Saptarshi Gupta**, Bhavya Gaur, Valentina E. Balas, “Visualization of COVID-19 Pandemic: an Analysis through Machine Intelligent Technique towards Big Data Paradigm”, Studies in Big Data-Multimedia Technologies in the Internet of Things Environment (Springer), Vol 79, pp. 117-136, Print ISBN978-981-15-7964-6, Online ISBN 978-981-15-7965-3, First Online: 29 September 2020.

[https://link.springer.com/chapter/10.1007/978-981-15-7965-3\\_8](https://link.springer.com/chapter/10.1007/978-981-15-7965-3_8)

B1. Manash Sarkar, **Saptarshi Gupta**, Satya Sai Srikant, Anurag Singh, Aditya Agarwal, “An Intelligent and Optimistic Diseases Diagnosis: An IoT Based Smart City Paradigm”, CRC Press Taylor & Francis Group, USA, Data Security in Internet of Things Based RFID and WSN Systems Applications (1<sup>st</sup> edition), 2020, eBook ISBN9780429294990.

<https://www.taylorfrancis.com/chapters/edit/10.1201/9780429294990-1/intelligent-optimistic-disease-diagnosis-sarkar-manash-saptarshi-gupta-satya-sai-srikant-anurag-singh-aditya-agarwal>

**FDP attended:**

- Attended a ‘*Professional Faculty Development*’ at All Nations University, Koforidua, Ghana, West Africa from Aug 12<sup>th</sup> – 17<sup>th</sup> 2010, conducted by Dr. George J Sefa Dei, University of Toronto, Canada.
- Completed online FDP on “**Inculcating Universal Human Values in Technical Education (UHV-1)**” organized by All India Council for Technical Education (AICTE) from 29th May to 2nd June 2023.

**Online Course:**

- Completed Course on “Internet of Things” offered by Stanford University, USA on 2021.
- Completed Certificate Programme from Coursera (Institut Mines-Télécom, French) in Satellite Communications, 2018.
- Completed Certificate Programme from Coursera (Yonsei University, Seoul, South Korea) in Wireless Communications, 2017.
- Completed Certificate course on BIG DATA ANALYTICS: OPPORTUNITIES, CHALLENGES AND THE FUTURE from GRIFFITH UNIVERSITY, online platform Future Learn, 2020.
- Completed Certificate course on ENTREPRENEURSHIP: FROM BUSINESS IDEA TO ACTION from KING'S COLLEGE LONDON, online platform Future Learn, 2020.

**Achievements and Awards:**

- Received Certificate of appreciation in recognition of contribution to the growth of All Nations University for the year 2012 from Dr. Samuel H. Donkor President & Founder of All Nations University, Koforidua, Ghana, West Africa and ANIDA (ALL NATIONS INTERNATIONAL DEVELOPMENT AGENCY), Steeles Avenue, Toronto, Canada.
- Received Certificate of appreciation in recognition of work done as Placement coordinator on 24<sup>th</sup> Foundation Day (25/03//2021) of SRM IST.
- Received Best Teacher Award -2022 from SRM IST, NCR Campus.

**Memberships:**

- Member, The Institution of Engineers (India), Member No: M-1695988
- Fellow, Institution of Electronics and Telecommunication Engineers (IETE), Member No: F501507
- Member of Indian Society for Technical Education (ISTE) (Membership No: LM - 137181)
- Member (No. 142223) of International Association of Engineers (IAENG).
- Member (No. 80348802) of International Association of Computer Science and Information Technology (IACSIT)