

## CURRICULUM VITAE

<b>Name</b>	Neelakshi Roy	
<b>Qualification</b>	MTEch in Electronics and Communication Engineering	
<b>Designation, Department and School</b>	Assistant professor, department of electronics and Communication Engineering, School of Engineering	
<b>Subject teach</b>	<ol style="list-style-type: none"><li>1. Mobile Communication,</li><li>2. Network Theory</li><li>3. Electronics Devices</li></ol>	
<b>Research Interest</b>	<ol style="list-style-type: none"><li>1. Space Theory,</li><li>2. Antenna Propagation,</li><li>3. Mobile Communication,</li><li>4. 6G Networking</li></ol>	
<b>Experience</b>	<ol style="list-style-type: none"><li>1. <b>Swami Vivekananda University, Barrackpore</b> <i>Assistant Professor, Department of Electronics and Communication Engineering, August,2024-till date</i></li><li>2. <b>Howrah Forgings Ltd, Howrah</b> <i>Maintenance and Service Engineer, August,2023 – July,2024</i></li><li>3. <b>Xplore-Tech Service Pvt Ltd, Kolkata</b> <i>Customer Service Support Engineer</i> July,2019 - January,2020</li></ol>	
<b>Publications</b>	Conference Papers: <ol style="list-style-type: none"><li>1. Neelakshi Roy, Sandip Roy, Sayan Paul, Soumya Ghosh “Advancements in Li-Fi and Visible Light Communication for High-Speed Data Transmission” 1<sup>st</sup> International Conference on Sustainable Research and Development (ICSRD,2024)</li><li>2. Neelakshi Roy, “Visible Light Communication (VLC) for Sustainable Energy Systems: A Comprehensive Review” 1<sup>st</sup> International Conference on Sustainable Research and Development (ICSRD,2024)</li><li>3. Neelakshi Roy, Animesh Gayen “IOT Based Health Monitoring System Integrated with Solar Panel Technology” 1<sup>st</sup> International Conference on</li></ol>	

	<p>Sustainable Research and Development (ICSRD,2024)</p> <p>4. Neelakshi Roy “A Comprehensive Review of Fiber Bragg Grating (FBG) Sensors: Principles, Applications, and Technological Advancements” 1<sup>st</sup> International Conference on Sustainable Research and Development (ICSRD,2024)</p> <p>5. Neelakshi Roy “Lithium-Glass Batteries: A Comprehensive Review of Their Development, Properties, and Potential Applications” 1<sup>st</sup> International Conference on Sustainable Research and Development (ICSRD,2024)</p> <p>6. Design and Implementation of Visible Light Communication System using low-cost microcontroller module and LED as light source, IJARECE, ISSN:2278-909X, Volume 7, Issue- 5, May 2018</p>
<b>Academic Awards</b>	<b>NA</b>
<b>Journal Reviewer</b>	<b>NA</b>
<b>Other salient features</b>	<b>NA</b>
<b>Symposium/Workshop/Conference/Seminar/Webinar</b>	<p>1st International Conference on Sustainable Research and Development,2024</p> <p>Organized by: Swami Vivekananda University</p>
<b>Contact</b>	Mob. 8013761556, Mail Id: akshiroyneel@gmail.com