



# St. Joseph's Institute of Technology

St. Joseph's Group of Institutions

OMR, Chennai - 119

Department of Electronics and Communication Engineering

(Accredited by NBA)

## FACULTY DETAILS

Staff Name	SNEHA G
Designation	ASSISTANT PROFESSOR
Date of Birth	03-11-1996
Educational Qualification	M.E.,(Ph.D)
Area of Interest	Machine learning, VLSI , Embedded systems, Image processing
Years of Experience	2 years 4 months
Area of Research	Machine learning
No. of Students Project Guided	6
Publications Details	<ol style="list-style-type: none"> <li>1. V.Gowthami, G Sneha, "Melanoma Detection using Recurrent Neural Networks " accepted in International conference on Automation,Signal processing,Instrumentation and control 2020, department of electrical engineering, VIT (Scopus Indexed).</li> <li>2. G.Sneha , Abhirami, Pratheeksha, " Driving Behaviour Monitoring for Intelligent Transportation Systems" in national Conference, Bannari amman Institute of Technology</li> <li>3. V.Gowthami, G Sneha, Bhuvana BP and A Jemima Havila Catherine, "Hand writing Text Recognition Using Neural Network" accepted in SERB- DST Sponsored</li> </ol>

	<p>International conference on Computing, Circuits, Energy and Materials, 2022.</p> <p>4. <b>"Hand writing Text Recognition Using Neural Network"</b> accepted in SERB- DST Sponsored International conference on Computing, Circuits, Energy and Materials, 2022.</p> <p>5. Joseph Charles Vinoth Subramaniam, Ramesh Zuhairiah Zainal Abidin Suhail Asghar Querishi Sivathanu Chithra Elumalai Saranya Messiah Josephine ,<b>Ganesan Sneha, "Planar Edged UWB Antenna for water quality Measurement"</b> Published in Progress in Electromagnetics Research C, 2023.</p> <p>6. V.Gowthami, <b>G Sneha, "Raw Bayer pattern image synthesis on histogram of gradients for Pedestrian Detection"</b> accepted in 5<sup>th</sup>- IEEE International conference on system Computation, Automation and Networking 2023 by Manakula Vinayagar Institute of Technology.</p>
<b>FDP &amp; Workshop Attended Details</b>	<p>1. Attended Five day Faculty Development Programme on <b>"Recent trends in Artificial Intelligence, IoT and data analytics,</b> "on Feb 2022 in Shri Vishnu engineering college for women.</p> <p>2. Attended International workshop on <b>"Current trends and Future directions in underwater communications"</b> on February 2022 in SSN college of engineering, Chennai.</p> <p>3. Attended International workshop on "</p>

	<p><b>Materials and manufacturing Insights to Modern technologies"</b> on August 2022 in BIT Sindri, Jharkand.</p> <p>4. Attended Five day Faculty Development Programme on "<b>Smart tools and Methodologies for Academic Research</b> " on Aug 2022</p> <p>5. Attended Five day Faculty Development Programme on "<b>Advanced technologies and challenges in Electronics and communication Engineering</b> " on Mar 2022</p>
<b>Patent details</b>	<p>1. Sneha G., "<b>An ANN for Health Monitoring System</b>" Published in November 2022 (Application No.202241067063 A).</p> <p>2. Sneha G., "<b>Embedded sensor Based Vehicle Door Locking System to Avoid Accident</b>" Published in January 2022 (Application No.202241004746).</p>