



**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**

<b>Staff Name:</b>	<b>Dr. KARTHIKEYAN M V</b>
<b>Designation:</b>	Associate Professor
<b>Date of Birth:</b>	09-07-1982
<b>Educational Qualification:</b>	Ph.D
<b>Area of Interest:</b>	Wireless Sensor Devices
<b>Years of Experience:</b>	10 years
<b>Area of Research:</b>	Wireless Medical Signal and Device Security
<b>No. of Students Project Guided</b>	07
<b>Publications Details:</b>	<p><b>Publications:</b></p> <ul style="list-style-type: none"><li>• An enhanced flower pollination algorithm based chaff point generation method with hardware implementation in WBAN, International Journal of Communication System.</li><li>• Efficient Bio-Signal Feature Based Secure Secret Key Generation Scheme a Simplified Model for Wireless Body Area Network (EFSKG Scheme), Journal of Medical Imaging and Health Informatics.</li><li>• ECG-Signal based secret key generation (ESKG) scheme for WBAN and hardware implementation, Wireless Personal Communications</li><li>• Secret Key Generation of 128-Bits Using Patient ECG Signal And Secret Transmission for IMDS Authentication Using Steganography, International Journal of Pure and Applied Mathematics</li><li>• Secure IR Communication Design For Pre-Cardiac Arrest Detection In Wireless Body Area Network, International Journal on Recent and Innovation Trends in Computing and Communication.</li></ul> <p><b>Conference:</b></p> <ul style="list-style-type: none"><li>• Indoor Localization and Interaction System Using IBEACON, International Conference on Innovation in Science and Engineering Research, New Shri Prince Bhavani College of Engineering and Technology, Chennai.</li></ul> <p><b>Patent:</b></p> <ul style="list-style-type: none"><li>• Physiological Value-Based Implanted Medical Device</li></ul>

	Security System, Official Journal Of The Patent Office( <b>Filed No.202041003326</b> )
<b>FDP &amp; Workshop Attended Details:</b>	<ul style="list-style-type: none"> <li>• Faculty Development Program on “SCILAB “25-05-2020 to 27-05-2020 at St.Joseph’s Institute of Technology,Chennai.<b>Spoken tutorial, IIT Bombay</b></li> <li>• Faculty Development Program on “Demystifying Network Security “26.05.2020 to 30.05.2020 at S.A. Engineering College, Chennai.</li> <li>• Faculty Development Program on “AI-Artificial Intelligence “22-05-2020 to 26-05-2020 at Lendi-Institute of Engineering and Technology.</li> <li>• Faculty Development Program on “Real Time Programming in Python “13/12/18 to14/12/18 at SRR Engineering College, Chennai.</li> <li>• Faculty Development Program on “IOT &amp; Drones “21/12/18 to 22/12/18 at St.Joseph’s College of Engineering, Chennai.</li> <li>• Faculty Development Program on “Joy of Compiling using Python “1 ½ Weeks at <b>NPTEL -AICTE</b></li> <li>• Faculty Development Program on “AI-Artificial Intelligence “22-05-2020 to 26-05-2020 at Lendi-Institute of Engineering and Technology.</li> </ul>
<b>Professional Membership:</b>	Nil