

**TRICHY ENGINEERING COLLEGE**  
Sivagnanam Nagar, Trichy-Chennai NH, Konalai, Trichy - 621 105.

## **FACULTY PROFILE**

Name (in BLOCK LETTERS)	<b>M. RAJALAKSHMI</b>
Present Designation & Dept:	<b>Assistant Professor, ECE</b>
Subject Area of Interest	<b>WIRELESS COMMUNICATION, MACHINE LEARNING</b>
Passport photo	
Address (for communication)	<b>M. RAJALAKSHMI</b> 5 <sup>th</sup> Cross Steet, K.K Nagar, Thuraimangalam, Perambalur (DT), INDIA. Mobile No. : <b>8682053074</b> Email ID : <b>rajiece.19@gmail.com</b>
Address (Office)	<b>M. RAJALAKSHMI</b> ASSISTANT PROFESSOR, ECE DEPARTMENT <b>TRICHY ENGINEERING COLLEGE</b> Sivagnanam Nagar, Konalai, Trichy - 621 105. Mobile No.: <b>8682053074</b> Email ID: <b>rajalakshmim@trichyengg.ac.in</b>
Date and Place of Birth	15-05-1989 and Perambalur
Gender	FEMALE
Marital Status	MARRIED
Nationality	INDIAN
Membership in Professional Bodies	nil

**01)Research & Educational Degree(s):**

<b>Educational Degrees/ Exams</b>	<b>Name of the Board/ Institution / University</b>	<b>Subject/ Specialization</b>	<b>Year of Passing</b>	<b>% of Marks/ CGPA</b>	<b>Division/ Class/ Grade</b>
<b>Ph.D.</b>	<b>Anna University</b>	<b>Pursuing</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>M.E</b>	<b>PavendarBarathidasan College of Engineering, Pudukottai Trichy District Anna University</b>	<b>Communication systems</b>	<b>2013</b>	<b>85%</b>	<b>First Class</b>
<b>B.E</b>	<b>Mookambigai College of Engineering Pudukottai Trichy District Anna University</b>	<b>Electronics and Communication Engineering</b>	<b>2010</b>	<b>75%</b>	<b>First Class with Distinction</b>
<b>HSC</b>	<b>Roever school of Eexcellence, Perambalur TN State Board</b>	<b>Maths, Biology, Physics, Chemistry</b>	<b>2006</b>	<b>83%</b>	<b>First Class</b>
<b>S.S.L.C</b>	<b>St Dominics girls HSS, Perambalur TN State Board</b>	<b>General Sciences</b>	<b>2004</b>	<b>95%</b>	<b>First Class</b>

**02) Teaching Experience/Post(s) held:**Teaching experience:U.G.Classes for B.E:**2.8years**

<b>College/ Institution</b>	<b>Designation</b>	<b>Duration</b>		<b>Experience</b>	
		<b>From</b>	<b>To</b>	<b>Year</b>	<b>Month</b>
<b>Trichy engineering college</b>	<b>Assistant Professor</b>	<b>23/08/2023</b>	<b>To Till Date</b>	<b>2years 1 month</b>	
<b>Indra Ganesan college of engineering</b>	<b>Assistant Professor</b>	<b>04/02/2011</b>	<b>To 08/09/2011</b>	<b>7 months</b>	

**03) Administrative experience(s)**

<b>Description</b>	<b>Role(s)</b>	<b>Duration</b>	<b>From To Dates</b>
Admission	Admission cell member	1 Years	20/4/2024 To 23/8/2024
College events	Cultural Coordinator	2 Years	23/8/2023 To Till Date

**04) NATIONAL JOURNALS/CONFERENCES**

presented research paper titled "Driver drowsiness detection system using computer vision and CNN with embedded alerts" in the 3<sup>rd</sup> National conference on New Horizon in Science, Engineering& Technology on 16 May 2025

## 05) Workshop / FDP / Seminar / Conference Attended

1. Participated in Virtual Popular Lecture Series on "Advancements in Biomedical Engineering Exploring Innovations at the Intersection of Science and Technology" held on 16th October 2023, SRM Institute of Science and Technology, Vadapalani.
2. Participated in Virtual Popular Lecture Series on "Unveiling the Power of Medical Image Processing: Enhancing Diagnostics and Healthcare Outcomes" held on 18th October 2023, SRM IST, Vadapalani.Chennai
3. Participated in 2 Days Online National Level Faculty Development Programme on "TO WRITE A RESEARCH PAPER FOR SCOPUS JOURNAL USING THE EMERGING AREA OF ACADEMICS AND RESEARCH IN THE CURRENT SITUATION AND TECHNOLOGIES at S.K.P Engineering College, Thiruvannamalai, from March 13, 2024, to March 14, 2024.
4. Participated in Shastri Indo Canadian Lecture Series on "AI Driven Advancements in Modern Wireless Communication" held on 23rd & 24th January 2024, SRM IST, Vadapalani.Chennai
5.Participated in 2 Days Online National Level Faculty Development Programme on " TO GET PATENT RIGHTS IN INDIA USING THE EMERGING AREA OF ACADEMICS AND RESEARCH IN THE CURRENT SITUATION AND TECHNOLOGIES "at S.K.P Engineering College, Thiruvannamalai, March 27 & 28, 2024.
6. Participated in "Outcome Based Professional Education System Leading To Accreditation For NBA" from 04-06-2024 to 08-06-2024 Conducted by ARYAN INSTITUTE OF ENGINEERING & TECHNOLOGY.
7. Participated in Virtual Popular Lecture Series on "Transforming Healthcare through Medical Signal Processing: From Data to Diagnosis and Beyond" held on 17th October 2023, SRM IST, Vadapalani.Chennai
8. Participated in "7 DAYS ONLINE FACULTY DEVELOPMENT PROGRAM ON ESSENTIAL SKILLS FOR PROFESSIONAL DEVELOPMENT IN HIGHER EDUCATION" organized by Star International Foundation for Research and Education on 01.07.2024 - 07.07.2024
9.Participated in International seminar on "DATA SCIENCE AND MANAGEMENT OF DATA " held on 12th JUNE 2024, Dr.M.G.R Educational and Research Institute, Chennai
10. Participated in value added course on "Printed Circuit Board Design and Fabrication Process" conducted by Roever Engineering College, Perambalur.
11. Participated in one day national level workshop on "Analog and mixed signal IC Design" Conducted by Sudharasan Engineering College, Sathiyamangalam, Pudhukkottai.
12. Participated in the "Science and Technology Capacity Building for Industrial Needs Sponsored By Tamil nadu State Council for Science Technology, Chennai "and conducted by ThanthaiRoever Polytechnic college, Perambalur.
13.completed "EBPL-Design thinking" course Tamil Nadu Skill Development Corporation, Government of Tamil Nadu through the NaanMudhalvan program held at ANNA UNIVERSITY, from 10/02/2025 to 16/02/2025.
14.attended One-week online faculty development programme on "Fostering Research &Development to Drive technological progress and Innovation for Sustainable growth" during 3-8March,2025 at Roever Engineering College, Perambalur.
15.participated one week faculty development programme on "AI& Cloud security: Compliance Strategies for a digital life" organized by YeshwantraoChavan college of Engineering, Nagpur during 7-12 April 2025.
16.attended webinar on Antenna Array design using domain decomposition method on 30-4-2025
17.successfully participated five-day online faculty development programme on "Emerging Technologies – Shaping the Future", during 12 <sup>th</sup> to 16 <sup>th</sup> MAY 2025, organized by Bangalore Institute of Technology, New Delhi.
18.successfully participated five-day online faculty development programme on "Artificial intelligence and machine learning for healthcare and IoT application", during 26 <sup>th</sup> to 30 <sup>th</sup> MAY 2025, in Kongunadu college of Engineering and Technology