



**THAMIRABHARANI ENGINEERING COLLEGE**  
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai)  
Chathirampudukulam, Chidambaranagar - Vepemkulam Road  
Thatchanallur, Tirunelveli 627 358, Tamil Nadu.

### FACULTY PROFILE

<b>PERSONAL DETAILS</b>			
Name & Qualification	<b>BINI R. S., B. E., M. Tech.,</b>		
Designation	Assistant Professor		
Department	Electronics and Communication Engineering		
Total Teaching Experience	14 Years 7 Months		
Total Research Experience	11 Years		
Total Industry Experience	2 Years		
Area of Specialization	Computer & Information Technology		
Email ID	binirs@tec-edu.in		
<b>EDUCATION DETAILS</b>			
Degree	Branch/ Specialization	University	Year
B. E.	Electronics and Communication Engineering	Madurai Kamaraj University	1992
M. Tech.	Computer & Information Technology	Manonmaniam Sundaranar University	2011
<b>RESEARCH / PUBLICATION DETAILS</b>			
<b>Publications in Journal</b>			
1. Dr. T. Sasilatha, A. Kanagalakshmi, T. Sundararajan, R. S. Bini, P. Suresh Mohankumar, "PROGRESSIVE PARALLEL IC CANCELLATION SCHEME AND BER PERFORMANCE ANALYSIS FOR MIMO-OFDM", Journal of Advanced Research in Dynamical and Control Systems, ISSN 1943-023X, (2018)			

### Conference Proceedings

1. IoT Based Temperature and Mask Scan Entry System for COVID 19 Prevention – International Conference on Emerging Trends In Engineering And Technology Research(ICETETR), (2021)

### PROJECTS GUIDED

Sl. No.	Title of the Project	Year
1	Design and Implementation of Intelligent Energy Distribution Management with Mesh topology	2015
2	Super-Resolution Reconstruction for Multi-Angle Remote Sensing Images Considering Resolution Differences	2016
3	Statistical Survey and Analysis of E-Waste Management to Reduce Environmental Problems	2017
4	Navigation of Blind People Using Bus Alert System	2018
5	Emergency Alert for Women Safety with Location Tracking	2019
6	Prepaid Water Management System	2019
7	IoT Based Trolley for Billing System	2020
8	Magnetic Induction Based Communication in Agriculture Field Using WUSNs	2020
9	Bone Cancer Detection Using Image Processing	2020
10	Wireless Electronic Notice Board	2022

### PROFESSIONAL SOCIETY MEMBERSHIP DETAILS

Sl. No.	Professional Society Name	Member ID
1	I2OR	I2OR/2020/00497
2	IAENG	285004

### FACULTY DEVELOPMENT PROGRAMME(FDP) ATTENDED / ORGANIZED

Sl. No.	Name of the FDP	Name and address of the venue	Year
1	Two day workshop on Measuring Instruments and Simulation Software	TEC, Tirunelveli	2013
2	Workshop on RENESAS 16 BIT RL 78 Microcontrollers	GCE, Tirunelveli	2013
3	Workshop on Linear Integrated Circuits	KSRIET, Tiruchengodu	2013
4	Seminar on MATLAB & Simulink for Engineering	Apple Tree, Tirunelveli	2014

	Education		
5	Workshop on Microprocessors and Microcontrollers	KSRIET, Tiruchengodu	2014
6	FDP on Real Time Embedded Systems	GCE, Tirunelveli	2014
7	FDP on Low Power VLSI using Tanner EDA	SCAD College of Engineering and Technology	2014
8	Workshop on VLSI Design & Laboratory	KSRIET, Tiruchengodu	2014
9	FDP on Embedded Systems with ARM 7 Microcontroller	GCE, Tirunelveli	2015
10	Workshop on English for Engineers	TEC, Tirunelveli	2016
11	AICTE sponsored Two Day Workshop on Criteria wise Self Assessment Report Preparation	Mepco Schlenk Engineering College, Sivakasi online mode	2021
12	FDP on Artificial Intelligence and Deep Learning	Kalasalingam Academy of Research and Education online mode	2021
13	Workshop on HDL Based VLSI System Design Using Modelsim	Pantech E Learning online mode	2021
14	Workshop on Linear Integrated Circuits	Pantech E Learning online mode	2021
15	FDP on Research Innovations and Emerging Advances in Electrical Engineering	Eswari Engineering College, Chennai online mode	2021
16	STTP on Current Trends and Projections in Electrical, Electronics, Computer, Civil, and Mechanical Engineering.	St. Mother Theresa Engineering College, Thoothukudi online mode	2021
17	STTP on An IoT Robot for Smart Home Environment	St. Mother Teresa Engineering College, Thoothukudi online mode	2021
18	Webinar on Funding Opportunities for Innovators	Scad College of Engineering & Technology online mode	2021
19	Webinar on IoT and Wearable Innovation for Home Based COVID Care	AVIT online mode	2021
20	Webinar on Cyber Crime in India : Trends and Challenges	AVIT online mode	2021
21	Webinar on Cognitive Radio	Pantech E Learning online mode	2021
22	Webinar on Communication With MATLAB	Pantech E Learning online mode	2021
23	Webinar on IoT and Embedded Systems	Pantech E Learning online mode	2021

24	Webinar on Advanced IoT and Embedded Systems	Pantech E Learning online mode	2021
25	Webinar on Role of ML in Data Science	Pantech E Learning online mode	2021
26	Webinar on Modeling of System and Design of Controller using MATLAB	DMI College of Engineering	2021
27	Five Days FDP on Modern Trends in Power Electronics and their Applications	Vidya Jyothi Institute of Technology	2021
28	Webinar on Industrial Automation and Industry 4.0	DMI College of Engineering	2021
29	Webinar in Challenges in Integration of Renewable Energy Sources with Smart Grid	Dr. Mahalingam College of Engineering and Technology	2021
30	Webinar on Recent Trends in EV Technology	DMI College of Engineering	2021
31	One day Workshop on Machine Learning for Image Classification	VIT	2021
32	Webinar on MATLAB with Simulink & MATLAB with Machine Learning	DMI College of Engineering	2021
33	Webinar on Roadmap to get a Quality Patent	DMI College of Engineering	2021
34	FDP on Introduction to Artificial Neural Networks	Christ the King Engineering College, Coimbatore online mode	2022
35	Webinar on Emerging Trends in Internet of Energy	PET Engineering College	2022
36	NPTEL course on Microprocessors and Interfacing	IIT, Guwahatti	2022

#### **ADDITIONAL RESPONSIBILITIES**

<b>Sl. No.</b>	<b>Responsibilities</b>	<b>Description</b>	<b>Year</b>
1	Class Advisor	To keep the students record, counsel and motivate the students	2012-2013 2022-2023
2	HoD	To lead and manage the department.	2013-2014, 2014-2015, 2015-2016, 2016-2017 Odd semester, 2020-2021 Odd semester &

			2021-2022 Even semester
3	Department Academic Coordinator	To coordinate academic activities in the department.	2017-2021
4	Department Project coordinator	To monitor the progress of students projects and conduct final year project reviews.	2016 & 2022
5	Coordinator of ECE Department National Level Technical Symposium	To coordinate and conduct the symposium.	2015 & 2017
6	Coordinator for various guest lectures, seminars, workshops and webinars in ECE department	To organize programs in the department.	From 2012 to 2023
7	Department Co curricular Coordinator	To motivate students to participate in competitions.	From 2017 to 2023
8	NAAC Criteria3 Co coordinator	To coordinate all criteria 3 works.	From 2020 to 2023
9	College Project Review committee coordinator	Monitoring of final year Project reviews for all departments.	2019, 2020 & 2022
10	Certificate Coordinator for Graduation Day and Sports Day	Collection and Issuing of certificates.	From 2017 to 2023
<b>AWARDS / ACHIEVEMENTS</b>			
<b>Sl. No.</b>	<b>Awards/ Achievements</b>	<b>Description</b>	<b>Year</b>
1	Best Result Award	95% in Digital Electronics Subject	2013