

Bio Data



PERSONAL DETAILS

Name : **T.Prabhu**

Designation : Assistant Professor

Institution : K.S.Rangasamy College of Technology, Tiruchengode

Father's Name, Mother's Name : R.Thangamuthu, T.Sulochana

Date of Birth & Age : 05.05.1988, 35 Years

Address for communication : Assistant Professor
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ACADEMIC PROFILE

Degree	Institution/University	Specialization	% of Marks / Class obtained	Year of completion
Ph.D (PT)	Anna University	IoT & Machine Learning	8.5 CGPA	Pursuing
M.E.	SSN College of Engineering, Chennai, Anna University.	Applied Electronics	7.96 (CGPA)	Jun 2013
B.E.	Velalar College of Engineering and Technology, Erode.	EEE	76	Apr 2009
HSC	URC Palaniammal Matriculation Higher Secondary School, Erode.	Maths,Biology	94.41	Mar 2005
SSLC	URC Palaniammal Matriculation Higher Secondary School, Erode.	-	89.20	Mar 2003

PROFESSIONAL EXPERIENCE

Teaching: UG - 9.8 years

S.No	Institution	Post held	Period	
			From	To
1	K.S.Rangasamy College of Technology, Tiruchengode	Assistant Professor	16.12.2013	Till Date

AREA OF INTERESTS:

- Innovations in Engineering Education
- Applied Electronics (ASIC Design)
- Embedded Systems (ARM Controller)

SUBJECTS TAUGHT:

- Renewable Energy Sources
- Linear Integrated Circuits
- Electronic Devices
- Embedded Systems
- Basics of Electrical Engineering
- Internet of Things
- Machine Learning

INNOVATIONS IN COURSE DELIVERY:

- Activity based learning
 - ✓ Screen casting
 - ✓ Think, Pair & Share (TPS)
- Use of ICT tools for effective delivery of the course.
- Use of Gmail, WhatsApp for Teaching- Learning process.

INNOVATIONS IN ASSESSMENT PRACTICES:

- Embedding Assessment in each lecture hour.
- Assessments designed to enhance learning and not to test the individual.
- Effective design of Assessment based on Revised Bloom's Taxonomy.

ADMINISTRATIVE WORK:

S.No	Role	Nature of Work
1.	Department Association Co-ordinator Academic Year 2022-23 , currently	Organizing Events for Association and Professional Body like Guest Lecture, Workshop, Webinar, Event Day functions for the welfare of the students and nominating students for the department event activities to coordinate as a team.
2.	Department Practice Test Co-ordinator Academic Year 2022-23 , currently	Scheduling test for making first hour practice test for students.
3.	Department Training and Placement Co-ordinator Academic Year 2021-22	Conducting classes for soft skills and monitoring students performance based on test, mock interview Motivating the students to get placed in companies
4.	Course Co-ordinator for Subjects Handled	Design the course with Learning Outcomes as per the International Standards of Washington Accord (WA). Planning the course effectively to improve the outcome of the graduate. Use of appropriate teaching methodology according to the requirement of the course and the students
5.	College Survey Co-ordinator	Collecting and preparing documentation of all relevant college level information for various national survey from different authorities.

ACADEMIC PROJECT WORK:

PG PROJECT

Project Title : **Microcontroller based Autonomous Robot System for rescuing alive human**

Description : To prevent loss of human life due to natural and human induced disasters. To reduce the danger involved to rescuer and also to provide effective service. To provide rescue operations where human reach is not possible.

UG PROJECT

Project Title : **Number Plate Recognition using ADSP-BF535 Processor.**

Description : Number plate recognition is a form of automatic vehicle identification. It is an image processing technology used to identify vehicles by their number plates.

JOURNAL PUBLICATIONS/CONFERENCES/WORKSHOPS

No. of Journal Published		No. of Conferences attended		No. of Workshop/ Seminar/STTP Attended	No. of Workshop/ Seminar/ STTP Organized
National	International	National	International		
-	02	01	04	24	01

LIST OF PUBLICATIONS

International Journal

1.	Published a paper titled “ Smart Home Gardening Automation System Using IoT ” in the International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering ISSN (Print): 2320 – 3765 ISSN (Online): 2278 – 8875 DOI:10.15662/IJAREEIE.2019.0802001 in Volume 8, Issue 2, February 2019.
2.	Published a paper titled “ Geographical Location and Identification of Medicinal Plants ” in the International Journal of Current Engineering and Scientific Research (IJCESR) ISSN (Print): 2393 8374 ISSN (Online): 2394 0697 DOI: 10.21276/ijcesr in Volume V, Issue II part 4 on 12.02.2018.

National Conference

1.	T. Prabhu , B. Rangunath, P. Rubika, S. Varun kumar, K. Vasanthi ‘ “Smart Home Gardening Automation System Using IoT”, National Conference on Emerging Scenario in Power Engineering and Electrical Drives(eSpeed 2k19) K.S.Rangasamy College of Technology ,March 15-16, 2019
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International Conference

1.	Published a paper titled “Integrated Compost Injector And Drip Irrigation For Agricultural Plant Using IoT System” in the “ 2023 International Conference on Networking and Communications (ICNWC) ” held on 05-06 April 2023.
2.	Published a paper titled “Vehicle Safety and Support System using Android Application” in the “ 2023 Second International Conference on Electronics and Renewable Systems (ICEARS) ” held on 2-4 March 2023.
3.	Presented a paper titled “ Smart Fishpond Monitoring System ” in the “International Conference on Modern Global Research in Engineering and Technology” held on 10th March 2018 at Sri Ramakrishna College of Engineering, Perambalur.
4.	Presented a paper titled ” Microcontroller based autonomous Robot System for rescuing alive human ” in the “International Conference on Mechanical and Building Science-16” held on 23rd and 24th March 2016 at SNS College of Technology, Coimbatore.

LIST OF WORKSHOPS / TRAINING PROGRAMMES ATTENDED

Sl. No.	Title	Venue	Duration	Sponsoring Authority
1.	Workshop on “VLSI to system Design : Silicon to End Application Approach”	Online	31 st Jul 23 to 04 th Aug 23	AICTE, ARM, STM
2.	FDP on “Foundation of Cloud IoT Edge ML”	Online	27 th Feb to 8 th Apr 23	NPTEL
3.	FDP on “Cloud Computing”	Online	18 th Jul 22 to 22 rd Oct 22	NPTEL
4.	FDP on “Machine learning for Soil and Crop Management”	Online	24 th Jan 22 to 23 rd Apr 22	NPTEL
5.	Workshop on “Electronic Product Design”	IDEA Lab, K.S.Rangasamy College of Technology	03 rd Mar 22 to 05 th Mar 22	AICTE
6.	FDP on “Embedded System Design using Intel SoC FPGAs”	Online	27 th Jan 22 to 29 th Jan 22	INTEL
7.	Workshop on “Embedded Systems An Application Driven Approach”	Online	25 th Aug 21 to 27 th Aug 21	AICTE
8.	FDP on ”Inculcating Universal Human Values in Technical Education”	Online	31 st May 21 to 04 th Jun 2021	AICTE
9.	FDP on “Engineering Applications using MATLAB & LabVIEW”	Online	23 rd Nov 20 to 04 th Dec 20	NITTTR Chennai

10.	Two Day Workshop on "Aligning Yourself to the Publishing Process"	Online	23 rd Jun 20 to 24 th Jun 20	Elsevier Researcher Academy
11.	ATAL program on Internet of Things	NIT Puducherry	16 Sep to 20 Sep 2019	AICTE
12.	Short Term Course on "Microcontroller Architectures and Hands-on sessions on Embedded Systems"	IIT Bombay	17 th June to 21 st June 2019	CE & QIP
13.	Induction/ Refresher Programme on "Emerging Trends in Embedded Systems and its Real Time Applications"	St.Joseph's College of Engineering, Chennai	02 nd July to 07 th July 2018	AICTE-ISTE
14.	Faculty Development Programme on "Mentoring Educators in Educational Technology (FDP301x)"	IIT Bombay Remote Centre	17 th May to 27 th June 2018	IIT Bombay
15.	Workshop on "Learner-Centric MOOC: From Conceptualizing to Conducting"	IIT Bombay	November 24-25, 2017	IIT Bombay
16.	Short Term Training Programme on "Recent Developments in Conventional and Non-Conventional Energy Resources"	Pondicherry Engineering College Pondicherry.	November 6 th -10 th , 2017	QIP
17.	National level Seminar on "Challenges and Opportunities of IoT based stand alone and interactive micro grid system"	K.S.Rangasamy College of Technology, Tiruchengode	November 1 st -3 rd , 2017	AICTE
18.	Workshop on "Electric Power System"	IIT, Kharagpur	10 th to 16 th July, 2017	MHRD
19.	Orientation workshop for Remote Centre coordinators	IIT Bombay under NMEICT, MHRD	30 th March 2017	MHRD, GoI
20.	Use of ICT in Education for Online and Blended Learning	K.S.Rangasamy College of Technology, Tiruchengode	May to June 2016	AICTE and IIT Bombay
21.	Short term course on Modeling and Simulation of Non-Linear Electrical Systems (MSNLES)	CIT, Coimbatore	15 th -21 st Feb 2016	AICTE
22.	Short term course on Advances in Power System Operation, Protection and Control	SreeVidyanikethan Engineering College (Autonomous), Irupathi	15 th -25 th June 2015	AICTE
23.	Short term course on Advanced Control Theory for Electrical Engineering Applications	CIT, Coimbatore	13 th -19 th Oct 2014	AICTE
24.	Simulation and Analysis of Electronic tools using EDA Tools	Kongu Engineering College, Erode	25 th -26 th Sept 2014	-

LIST OF WORKSHOPS / TRAINING PROGRAMMES ORGANIZED

Sl. No.	Title	Mode of Conduction	Duration	Sponsoring Authority
1.	Skill Development Programme on “ Role of IoT in Electrical Engineering”	Online (MS TEAMS)	10 th June – 15 th June 2020	MHRD Institute Innovation Council

PROJECT WORKS SUPERVISED:

UG PROJECTS

- Air Quality Monitoring System Using IoT
- Smart Grocery Box
- Vehicle Safety and Support System using Android Application
- Heart disease predicting system using Machine Learning.
- Development of acknowledgement based secured voting machine using Arduino
- Smart Gardening System using IoT.
- Smart Industrial Automation using IoT
- Smart Fish pond monitoring system.
- Geographical Location and Identification of Medicinal Plants.
- Autonomous driving vehicle using LABVIEW.

MEMBERSHIP IN PROFESSIONAL BODIES:

Life time member of Indian Society for Technical Education(ISTE)



PROFESSIONAL RECOGNITION AND AWARDS RECEIVED:

Type of Award	Nature of award	Awarding Institute / Organization
Certificate of Merit	Awarded “ Elite+Silver ” category in NPTEL online certification course for “Foundation of Cloud IoT Edge ML” from February to April 2023.	IIT Kanpur
Best Faculty	Awarded “ Best Faculty ” in the department for Training & Placement Activities for the Academic Year 2021-22.	KSRCT
Certificate of Merit	Awarded “ Elite ” category in NPTEL online certification course for “Cloud Computing” during July-October 2022	IIT Kharagpur
Certificate of Merit	Awarded “ Elite ” category in NPTEL online certification course for “Machine learning for Soil and Crop Management” during January-April 2022	IIT Kharagpur
Certificate of Merit	Awarded “ Elite+Silver ” category in NPTEL online certification course for Internet of Things (IoT) from January to April 2019.	IIT Kharagpur
Appreciation for the Mentorship	AICTE approved Faculty Development Programme from August 3 2017 to October 12 2017). (FDP101x and FDP201x) - the honorarium (Rs 6000 per course) to the mentors as a token of appreciation for the mentorship effort.	IIT Bombay
SAP Excellence for Top Performer	Certificate of Merit with Cash Prize (Rs.5000/-) for Use of ICT in Education for Online and Blended Learning from May to June 2016.	IIT Bombay