




**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Bengaluru**  
**Department of Robotics and Automation**



**FACULTY PROFILE**

**1. Personal Details**

NAME	Dr. Ramya M V	
DEPARTMENT	Robotics and Automation	
DESIGNATION	Associate Professor	
PHONE	9901624176	
EMAIL ID	ramyamv@jssateb.ac.in	
TEACHING EXPERIENCE	10yrs	
INDUSTRY EXPERIENCE	NIL	
RESEARCH EXPERIENCE	<ul style="list-style-type: none"><li>6 years- Received Patent Grant on 30<sup>th</sup> April 2021 for the Ph.D work "Method And System For Performing Experiments In a Remote Laboratory" by The Indian Patent Office. Patent No. 365876 for 20 years.</li></ul>	

**2. Qualification**

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
Ph. D	Embedded Systems and IoT	MCE, Hassan	VTU, Belgaum
M. Tech	Computer Applications in Industrial Drives	MCE, Hassan	VTU, Belgaum
B.E	Electronics & Communication Engineering	VVCE, Mysuru	VTU, Belgaum

**3. Membership of Professional Bodies:**

1. IEEE Senior Membership      Member number: 96342630
2. Associate Member: International Research Association, England

**4. Awards :**

Sl.No	Award Title	Date Received	Award issuing authority/ Body / Organization
1.	2 <sup>nd</sup> Best Project with Rs.30,000/- Cash prize for "WI-FI Controlled Automatic Food Maker"	Oct 25 <sup>th</sup> , 2017 and Oct 26 <sup>th</sup> , 2017	YASAKAWA Company, Bangaluru and NIE, Mysuru
2.	1 <sup>st</sup> Best Product Demo with Rs.2500/- cash prize for "Labzcon: Remote Laboratory for Engineering Education"	Oct 2 <sup>nd</sup> 2021	IEEE Region 10 Humanitarian Technology
3.	Best Paper Award with cash prize of 1,000/- for "Surface Water Analyzer and Notifier (SWAN) "	May 17 <sup>th</sup> 2018	GSSSIETW, Mysore
4.	Best project with cash prize of 1,000/- for "IOT Based wearable smart health monitoring system"	April 29 <sup>th</sup> 2019	GSSSIETW, Mysore
5.	Indian Women Achiever Award 2021	June 2021	International Research Association, England.

6.	Best Researcher IRESFO-2021	June 2022	Jataayu Staffing Force Pvt Ltd
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## 5. Publications ( Journals Conferences )

### Journals:

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Design and Implementation of IoT Based Remote Laboratory for Sensor Experiments	Ramya M V, K R Prakash, G K Purushothama	International Journal Of Interactive Mobile Technologies	Vol. 14, No. 09, pp. 227-238, 2020, ISSN No. 18657923	Scopus	1.808	Kassel University Press GmbH
2	M- Learning based Remote Laboratory for Electronics Experiments	Ramya M V, K R Prakash, G K Purushothama	International Journal of Online and Biomedical Engineering	Vol. 16, No. 11, pp. 4-15, 2020, ISSN No. 26268493	Scopus	1.39	International Association of Online Engineering
3	An approach to convert conventional laboratories into an IoT enabled Laboratories	Ramya M V, K R Prakash, G K Purushothama	International Journal of Web-Based Learning and Teaching Technologies	Vol.16, Issue No.5, Article 6, 2021, ISSN No. 15481107	Scopus	0.756	IGI Publishing
4	V2V communication using fog computing for safe commute	Ramya M V, Vandana	International Journal of recent technology and engineering	Volume-9 Issue-2, July 2020	Scopus	0.158	Blue Eyes Intelligence Engineering and Sciences Publication
5	Design and verification of UART using system verilog	Ramya M V, Yamini	International Journal of Engineering and Advanced Technology	Volume-9 Issue-5, June 2020	Scopus		Blue Eyes Intelligence Engineering and Sciences Publication
6	Remote Laboratory: conducting laboratory experiments over the internet	Ramya M V, Priyanka D S, Karthik	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	Vol. 9, Issue 10, October 2021	Scopus		IGI Publishing

### Lecture Note:

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Lecture Note	Volume No. Issue No. Year	WOS / Scopus	Publisher
1	Implementation Of Industrial IoT Laboratory For Sensors	Ramya M V, K R Prakash, Nisarga	Lecture Notes In Mechanical Engineering, Springer	October 12, 2021	Both	Springer

**Conferences:**

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
1	Wi- Fi controlled Automatic Food Maker	Ramya M V, Dr. K R Prakash, Dr. G K Purushotham	ICEECCOT-2017	15 <sup>th</sup> and 16 <sup>th</sup> December 2017,			IEEE xlorer
2	Surface Water Analyser & Notifier (SWAN) using Automated Volumetric Analysis and GSM module	Ramya M V , C Aishwarya Belliappa, Nisharga H S, Skanda P, Kavya Singh G	NCESC 2018	17 <sup>th</sup> May 2018			IJERT proceedings
3	PLCs Based Remote Laboratory Platform	Ramya M V, Dr. K R Prakash, Dr. G K Purushotham	ICSIPCA-2017	6 <sup>th</sup> and 7 <sup>th</sup> July, 2017			Grenze
4	Automatic Food Maker	Ramya M V, Baba reddy, Amruth kumar	NCRAICE-2016	4 <sup>th</sup> May, 2016			
5	A Low-cost PLCs Based Remote Laboratory Platform for Electrical Drive Control Applications	Ramya M V, Dr. K R Prakash	ICETE-'12	15 <sup>th</sup> and 16 <sup>th</sup> May, 2012			
6	Remote Laboratory Platform for Learning Programmable Logic Controllers based Applications	Ramya M V, Dr. K R Prakash, Amriya Tasneem H R	NCIETEM	22 <sup>nd</sup> and 23 <sup>rd</sup> March			
7	Development of Automation Laboratory Using Programmable Logic Controller in a Web-Based Environment	Amriya Tasneem, Dr. K R Prakash, Ramya M V	NCIETEM	22 <sup>nd</sup> and 23 <sup>rd</sup> March			
8	Dynamic Domino Logic Circuits Design for Low Power VLSI Design	Praveen J, Ramya M V	NCIETEM	22 <sup>nd</sup> and 23 <sup>rd</sup> March			

**6.Others : Funds Details**

Sl. No	Grant Amount	Project Name	Date of receiving the Grant	Grant issuing authority/ Body / Organization
1.	Rs. 7000	Cloud Laboratory: Engineering Education	2021-22	KSCST
2.	Rs. 6000	Hand Writing Robot	2019-20	KSCST
3.	Rs. 6000	Surface Water Analyzer and Notifier (SWAN)	2017-18	KSCST
4.	Rs. 6000	Automatic food maker	2016-17	KSCST

**6.a. Workshops / Conference organized :**

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	5days workshop on PLC, Pneumatics, Hydraulic & Sensorics	SJCE, JSSSTU	23 <sup>rd</sup> to 27 <sup>th</sup> June 2022
2	5days workshop on PLC, Pneumatics & Sensorics	SJCE, JSSSTU	22 <sup>nd</sup> to 26 <sup>th</sup> March 2021
3	5days workshop on PLC, Pneumatics & Sensorics	SJCE, JSSSTU	18 <sup>th</sup> to 22 <sup>nd</sup> Jan 2021

4	5days workshop on Nanosatellite Technology	SJCE, JSSSTU	16 <sup>th</sup> to 20 <sup>th</sup> Sep 2019
5	Industrial Automation	SJCE, JSSSTU	15 <sup>th</sup> May 2017

**6.b. Conference Attended ( those sponsored by AICTE / ISTE/IETE/TEQIP or anyother sponsoring body)**

SI.No.	NATURE OF PROGRAMME	INSTITUTION	PERIOD	
			FROM	TO
1.	VR/AR Application in Engineering Education	ATAL, AICTE	20-09-2021	24-09-2021
1.	Fabrication of Electronic Devices using Nano materials	SJCE, JSSSTU	24-08-2020	4-08-2020
2.	Research Avenues in Healthcare Technology	SJCE, JSSSTU	21-07-2020	25-07-2020
3.	Research & Innovation	VVCE, Mysuru	17-8-2020	21-08-2020
4.	Concepts, Methods, Challenges and Future directions in Medical image analysis using Machine Learning	SJCE, JSSSTU	10-08-2020	14-08-2020
5.	Employability Post COVID Era	ASSOCHAM INDIA	11-07-2020	
6.	BioMEMS	DESE, IISC	1-7-2019	8-7-2019
7.	Labview and Virtual Instrumentation	SJCE, JSSSTU	18-6-2019	22-6-2019
8.	Women Empowerment Beyond Education	SJCE, JSSSTU	9-3-2019	31-3-2019
9.	Hands on practice with visual TCAD	SJCE, JSSSTU	8-3-2019	9-3-2019
10.	Stress Management	SJCE, JSSSTU	28-2-2019	
11.	Recent trends in Power Sector for Sustainable Development	SJCE, JSSSTU	17-12-2018	21-12-2018
12.	Internet Design Evolution from Data to Multimedia Applications	SJCE, JSSSTU	16-03-2018	17-03-2018
13.	Machine Learning	NIE, Mysuru	1-3-2018	3-3-2018
14.	Theoretical and Practical Aspects of the Industrial Internet of Things	SJCE, JSSSTU	5-2-2018	16-2-2018
15.	Development of Smart Sensor Technology Towards Electronic Applications	SJCE, JSSSTU	4-2-2018	8-2-2018
16.	Recent Trends in Nanomaterials for Energy and Electronics Applications	SJCE, JSSSTU	11-1-2018	12-1-2018
17.	Advances in Wireless Networks	SJCE, JSSSTU	3-10-2017	4-10-2017
18.	MATLAB R2017a	VVCE, Mysuru	28-7-2017	30-7-2017
19.	Energy, Sustainability and Life Cycle Risk Analysis	GIAN program, SJCE, JSSSTU	13-2-2017	28-2-2017
20.	Programming Raspberry PI using Python	SJCE, JSSSTU	25-1-2017	29-1-2017

21.	Problem Solving and Learn to Code	SJCE, JSSSTU	6-1-2017	8-1-2017
22.	Strengths-Based Programmes	SJCE, JSSSTU	28-12-2016	3-1-2017
23.	Computational Linear Algebra	SJCE, JSSSTU	7-12-2016	11-12-2016

**6.c. workshop/ Seminar /Conference Attended ( those NOT sponsored by AICTE / ISTE/IETE/TEQIP or anyother sponsoring body) : NIL**

SI.No.	NATURE OF PROGRAMME	INSTITUTION	PERIOD	
			FROM	TO
1	Microelectronics	ALVA'S ENGG	15-2-2013	16-2-2013
2	Latest Trends in EDA for Communication, Electronic & VLSI Technology	ALVA'S ENGG	29-7-2013	30-7-2013
3	VTU- Bosch Rexroth centre of competence in Automation technology	VTU Regional centre, Mysuru	15-01-2012	19-01-2012

**6.d. Patents:**

SI.No	Title	Grant/ Application No	Date of publication
1.	Method And System For Performing Experiments In A Remote Laboratory	Patent Grant no: 365876	30 <sup>th</sup> April 2021
2.	System And Method Of A Hybrid Control Model For Power Quality Improvement Of Wind Energy Conversion System With Unified Power Quality Controller	Application no. 202041030781	19 <sup>th</sup> July 2020

**6.e. Any other information you will like to share about your professional experience**

**1. Resource Person In Workshops/International/National Conference**

SI.No	Month and Year	Institution	Nature of Programme/ Topic chosen for talk	Target Group	Remarks
1	June 23,2022	JSSPN	Industrial Automation	Diploma students	Session Speaker
2	May 23-27, 2022	SJCE, JSSSTU	PLC, Pneumatics, Hydraulic & Sensorics	Diploma students	Session Speaker
3	March 22-26, 2021	SJCE, JSSSTU	PLC, Pneumatics & Sensorics	PG students	Session Speaker
4	Jan 18-22, 2021	SJCE, JSSSTU	PLC, Pneumatics & Sensorics	Diploma students	Session Speaker

**2.Ph.D Co-Supervisor**

1. Ms. PRIYANKA D S, "Design and Development of Embedded Systems for Remote Electronics laboratory.", from July 2022 under JSSSTU, Mysuru

### 3.Review of papers – National/International Conference/ Journal

Sl. No.	Journal / Conference title	Title of paper reviewed	Academic year
1.	IEEE Region 10 Humanitarian Technology Conference 2021	Comparative Study of Thresholding Techniques for Thermographic Diagnosis of Electrical Equipment	2021
2.	IEEE Region 10 Humanitarian Technology Conference 2021	Paving the way for Autonomous Smart Grid: A Review	2021
3.	IEEE Region 10 Humanitarian Technology Conference 2021	Prototype Archimedes Screw Microhydro on a River without Head	2021
4.	IEEE Region 10 Humanitarian Technology Conference 2021	Classification of Faults in Powe System with Probabilistic Neural Networks: An Imbalanced Learning Approach	2021
5.	IEEE Region 10 Humanitarian Technology Conference 2021	A critical review on the recent progress in the area of PbS CQDs based solar cell technology	2021
6.	ICEECCOT-2021	An efficient E-commerce Based Online Shopping for Visually Impaired People	2021