



# Sri Ramakrishna Institute of Technology

(An Autonomous Institution)

(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

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## Faculty Profile

**Full name with Qualification, Designation and  
Department: Electrical and Electronics Engineering**

**Ms.M.Prabha Maheswari ,B.E., M.Tech.,**  
Assistant Professor,  
Electrical and Electronics Engineering



<b>Date of birth</b>	:	17/09/1984	<b>Gender</b>	:	Female
<b>Nationality</b>	:	Indian	<b>Marital status</b>	:	Married
<b>Address for correspondence</b>	:	9/427,Thimmampalyam, Karamadai	<b>Permanent address</b>	:	9/427,Thimmampalyam, Karamadai
<b>Mobile no</b>	:	9842520211	<b>e-mail (official)</b>	:	prabhamaheswari.eee@srit.org
<b>Landline</b>	:	-	<b>e-mail (personal)</b>	:	prabhamahe@gmail.com
<b>Date of joining</b>	:	12.06.2017	<b>Post of joining</b>	:	Assistant Professor
<b>No of promotions since D.O.J</b>	:	-	<b>Present post</b>	:	Assistant Professor
<b>Present pay scale</b>	:	(15600- 39100)	<b>Gross pay</b>	:	37623
<b>Employee ID</b>	:	TE319	<b>Bank account No. (Salary credited)</b>	:	500101011407964
<b>P.F. No</b>	:	TN/CBE/56764/10802	<b>Group Insurance No</b>	:	-
<b>PAN Number</b>	:	ASXPP9465B	<b>Aadhar Number</b>	:	6675 2843 1744
<b>AICTE ID</b>	:	1-3536718127	<b>AICTE Institution ID</b>	:	1-7841521

**Educational Qualification**

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	B.E. (Electrical and Electronics Engineering)	2005	Sengunthar Engineering College Thiruchengode	Anna University	First
PG	M.E. (Power Electronics and Drives)	2007	Bannari Amman Institute of Technology	Anna University	First
Ph.D	Electrical	-	Anna University	Anna University	First
Others					

**Registration for Ph.D. with area of interest:**

**Power Electronics and Renewable Energy Systems**

**Year of Ph.D. Registration:2018**

**Year of Ph.D. Completed: -**

**Thesis Title:-Nil**

**Supervisor Recognition Number:Nil**

**Ph.D. Scholar Details**

S.No.	Name of the scholar	Registration details	College	Status
Nil				

**Academic Experience**

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Bannari Amman Institute of Technology	Assistant Professor	14.5.2007	18.5.2014	7	-	4
SRI Ramakrishna Institute of Technology	Assistant Professor	12.6.2017	-	6	5	10
<b>Total</b>				13	5	14

**Industrial Experience**

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Nil							
Total							

**Courses Handled**

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2022-23	Even	20EE010	Measurements and Instrumentation	T	96
2022-23	Even	UEEE201	Biomedical Instrumentation	T	100
2022-23	Odd	20EEG05	Electrical Engineering	T	82
2022-23	Odd	20EEE02	Medical Instrumentation	T	90
2021-22	Even	20EE010	Measurements and Instrumentation	T	
2021-22	Even	20EE009	Electrical machines I	T	88
2021-22	Even	20EEG04	Electrical Drives Laboratory	L	100
2021-22	Odd	20EEG05	Electrical Engineering	L	100
2021-22	Odd	20EEG01	Basics of EEE	L	88
2020-21	Even	UEEG005	DC Machines and Transformers	L	100
2020-21	Odd	UEEG003	Measurements and Instrumentation	L	100
2019-20	Even	UEEG005	DC Machines and Transformers	L	100

2019-20	Even	EE6009	Power Electronics for RES	L	100
2019-20	Odd	UEEG003	Measurements and Instrumentation	L	84
2019-20	Odd	EE6703	Special Electrical Machines	L	88

### Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	VIII	Design and development of solar panel Charging station for E-Rickshaw	UG
2022-2023	VII	Smart Wheelchair	UG
2021-2022	VIII	Smart monitoring system with fall Detection for wheelchair users using IOT	UG
2020-2021	VIII	An Mppt Based Solar Water Heater Using Buck-Boost Converter	UG
2019-2020	VIII	Small Scale Hybrid Power Generation	UG
2018-2019	VIII	Solar Powered Lawn Earth Movers	UG
2017-2018	VIII	Advanced Cattle Health Monitoring System using IoT	UG

### Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	-	9
Conferences	-	9

### Journal Publications (IEEE format)

1. M.Prabha Maheswari,Dr.M.Yuvaraju,” Design and Development of Solar Charging Station”, International Educational Scientific Research Journal,Volume 9,Issue 6,June 2023.
2. S.Gomathy,M.Prabha Maheswari,Aparna, “A Review on Guitar Tuners”, International Journal of Research and Analytical Reviews, Volume 9,Issue 2,2022.
3. M.Prabha Maheswar,A.Karthick,A.Permual,”A Review on Smart Wheelchair Monitoring and Controlling System”, International Journal of Research and Analytical Reviews, Volume 9,Issue 2,2022.
4. S.Gomathy,M.Prabha Maheswari ,”Stability Analysis of Synchronous Generator Connected To Infinite Bus System”, International Journal of Current Advanced Research Volume 9,issue 5, ISSN: O: 2319-6475, ISSN: P: 2319-6505, 2020.

5. M.Prabha Maheswari, Gomathy S,"Solar Powered Lawn Managing Movable Device", International Journal Of Current Engineering And Scientific Research (IJCESR), 2394-0697,volume 6,2019.
6. S.Gomathy,M.Prabha Maheswari,"Level Control For Interacting Tank System Using Intelligent Controller", International Journal of Current Engineering And Scientific Research , ISSN 2393-8374, PP-2394-0697, , Volume 9,Issue ,2019.
7. S.Gomathy,M.Prabha Maheswari,"A Survey on Control Techniques to Stabilize and Control the Non Linear System", International Journal of Applied Engineering Research 13 (24), Volume 13,16950-16953,2018.
8. Divya Priyadharshini,M,.Nishanthi , Josephine R , Prabha Maheswari M," Wireless Measurement and Control System for Environmental Parameters", International Journal of Current Engineering and Scientific Research (IJCESR), Volume-5, Issue- 1, Page- 59-63,2018.
9. M.Nishanthi, R.Vidyalakshmi, M. Prabha Maheswari," Embedding A Last Meter In Smart Grid Using Internet of Things", International Journal Of Current Engineering And Scientific Research (IJCESR), ISSN 2393-8374, 2394-0697, VOLUME-5, ISSUE-1, 2018.

#### **Conference Publications (IEEE format)**

1. M.Prabha Maheswari, "Design and Development of Solar Charging Station", National Conference on Innovations in Computing Technologies NCICT 2023,May 2023.
2. M.Prabha Maheswari, "Design and Development of Solar charging station for E-Rickshaw", International Symposium on Emerging trends in AI,Robotics and Renewable Energy,9<sup>th</sup> March 2023.
3. M.Prabha Maheswari,," A Review on Smart Wheelchair Monitoring and Controlling System", International Conference on Communication, Computation, Control and Automation ICCCA –2022,March 2022.
4. M.Prabha Maheswari,," A Review on Guitar Tuners", International Conference on Communication, Computation, Control and Automation ICCCA –2022,March 2022.
5. M.Prabha Maheswari," Solar Powered Lawn Earth Movers",National Conference in Hindustan Engineering and Technology, April 10<sup>th</sup>,2019.
6. M.Prabha Maheswari, "Simulation of SPWM Boost Chopper for Low Power Wind Turbine Driven PMSG", national conference on Electrical systems and Control Technologies,ESCT 2007, NIT, Calicut, 3<sup>rd</sup>-5<sup>th</sup> May 2007.
7. M.Prabha Maheswari, "Boost Chopper Circuit for Low Power Wind Turbine Driven PMSG" national conference on Cutting Edge Technologies in Power Conversion and Industrial Drives, PCID' 07, Bannari Amman Institute of Technology,Sathyamangalam,on February 16<sup>th</sup>-17<sup>th</sup> 2007.
8. M.Prabha Maheswari, "Simulation of SPWM Boost Chopper for Low Power Wind Turbine Driven PMSG", national conference on Electrical systems and Control Technologies,ESCT 2007, NIT, Calicut, 3<sup>rd</sup> -5<sup>th</sup> May 2007.
9. M.Prabha Maheswari, "Boost Chopper Circuit for Low Power Wind Turbine Driven PMSG" national conference on Cutting Edge Technologies in Power Conversion and Industrial Drives,PCID' 07, Bannari Amman Institute of Technology,Sathyamangalam,on February 16<sup>th</sup> -17<sup>th</sup> 2007.

**Books / Book Chapters (IEEE format)**

NIL

**Sponsored Research**

Project Title	Funding Agency	Amount Rs.	Duration
Nil			

**Consultancy**

S. No.	Organization/ Agency	Nature of Work	Amount in Rs.	Year
Nil				

**Workshops / Seminars attended**

S. No.	Organizing Institution	Venue	Title	Date(s)
1.	National Fire Service College	Online	One day Workshop on “Charging Infrastructure and Challenges for EV and ESS Charging”	10.3.2022
2.	One day webinar organized by Design Tech	Online	Multi-domain modelling with SimScape	11.10.2022
3.	CSIR Sponsored Seminar Sanjivani College Of Engineering	Online	“Blockchain Enabled Smart Grid Market”	26.8.2022 to 27.8.2022
4.	National Institute of Technology	Online	Advancements in Electrical engineering: An academic and Industrial approach	3.8.2020 to 7.8.2020
5.	Ramco Institute Of Technology	Online	Smart Automation design without coding"	5.8.2020 to 7.8.2020
6.	Smart Energy Generation and Sustainable Energy Efficiency- Planning, implementation and Research Priorities	Coimbatore Institute of Technology, Coimbatore	Smart Energy Generation and Sustainable Energy Efficiency- Planning, implementation and Research Priorities	15.2.2013 to 16.2.2013
7.	Bannari Amman Institute of	Bannari Amman Institute of	Industrial Automation with PLC, SCADA and DCS	28.7.2010 to

	Technology	Technology		29.7.2010
8.	Bannari Amman Institute of Technology	Bannari Amman Institute of Technology	Embedded System Design with PIC Microcontrollers	15.12.2009
9.	Bannari Amman Institute of Technology	Bannari Amman Institute of Technology	Neuromorphic	3.7.2009 to 4.7.2009
10.	Vereinigung der Rueckkehrer aus Deutschland (VRD) IIT Madras	Bannari Amman Institute of Technology	Nano Technology and Society	17.11.2007

**Faculty Development Program attended (from recent)**

S. No.	Organizing Institution	Venue	Title	Date(s)
1	Eswari Engineering College	Online	Research Innovation and Emerging advance in Electrical Engineering	5.1.2023 to 12.1.2023
2	AMET University	Online	Design and Development of Industry led curriculum in Technological Era	14.12.2022 to 22.12.2022
3	KPR Institute of Engineering and Technology	Online	The Role of Artificial Intelligence in Renewable Energy Applications	1.08.2022 to 5.08.2022
4	All India Council For Technical Education	Online	"Research Perspectives: Renewable Energy in Electric Vehicle Charging"	22.11.2021 to 26.11.2021
5	Bannari Amman Institute of Technology sponsored by Anna university	Online	Digital Logic Circuits	24.05.2021 to 29.05.2021
6	Agni College of Technology AICTE Sponsored two week online STTP	Online	"Advances in Power Electronics for Smart grid, Renewable Energy Systems and Electric vehicle technology"	26.10.2020 to 7.11.2020
7	Gudalavalleru Engineering college, AICTE Sponsored oneweek online STTP	Online	"Automation and Intelligent Control of Electrical Systems"	16.11.2020 to 21.11.2020
8	B V Raju Institute of Technology, Telangana sponsored by AICTE	Online	"Recent Developments and Entrepreneurship in sustainable green energy"	21.9.2020 to 26.9.2020

			technologies and smart grids”	
9	Bannari Amman Institute of Technology sponsored by AICTE	Bannari Amman Institute of Technology	Artificial Intelligence Techniques in Data Analytics and Information Retrieval	3.6.2019 to 16.6.2019
10	IIT Roorkee	Online	Introduction to Smart grid	Aug-Sep 2018 ( 8 week course)
11	Coimbatore Institute of Technology under the sponsorship by AICTE	Coimbatore Institute of Technology under the sponsorship by AICTE	Power Electronic System Design and Applications	04.06.2018 to 10.06.2018
12	Karpagam College of Engineering	Karpagam College of Engineering	Design And Development of Feedback Controllers for Power Electronics Converters Based System	23.11.2017 to 25.11.2017
13	Sri Ramakrishna Institute of Technology	Sri Ramakrishna Institute of Technology	Soft Computing Techniques using MATLAB for Engineering Research	9.8.17 to 11.8.17
14	Anna Univirsity,Chennai	Bannari Amman Institute of Technology	Solid State Drives	17.6.2013 to 23.6.2013
15.	Government College of Technology,Coimbatore	Government College of Technology,Coimbatore	Avenues for Advanced Research in Modern Power Electronics and Hybrid Energy Systems	15.5.2013 to 28.5.2013
16.	Anna Univirsity,Chennai	Bannari Amman Institute of Technology	Digital Signal Processing	3.12.2012 to 9.12.2012

#### Events Organized (Workshops & Seminars)

S. No	Name of the Event	Date	Resource Person
1.	Workshop on “Chip Level Testing and debugging for Smartphones and Tablets”	9.2.2023	Mr.B.Krishna Kumar, Managing Director, New Technology mobile service and technology, Coimbatore
2.	Webinar on”Future trends in Autonomous vehicle”	28.1.2023	Dr.Anbalagan Thangavel, Technical Project Manager, Robert Bosch GmbH Coimbatore
3.	Boot camp Workshop Aerial Robotics	21.12.2022	E.Ramkumar, Asst.Prof(Sr.Gr).EEE,Coimbatore



4.	Webinar on Key to Crack the Campus Placement”	05.03.2022	Ms.R.Rupasri,(Alumni of SRIT) Assistant sytem Engineer .Cloud Computing Developer TCS Chennai
5.	Webinar on “Create and carrer in cloud computing”	18.12.2021	Ms.M.Vishnu Priya,(Alumni of SRIT) Software Engineer .A4 Analyst, Capgemini
6.	Webinar on “Smart Healthcare: The rise AI”	22.08.2020	Dr.P.Sasikumar,Assoc.Prof, Department of Embedded Technology, VIT, Vellore
7.	FDP on”Recent Challenges in Industrial Automation and Embedded System”	06.07.2020 to11.07.2020	Dr.S.Veerakumar, Assistant Professor III, Department of EEE, Bannari Amman Institute of Technology Dr. G. Vijayakumar Professor, Department of EEE, Muthayammal Engineering College
8.	Webinar on "Cloud Computing Challenges in a General Perspective"	11.06.2020	Kylasam Data Engineer, Momox Gmbh ,Germany.
9.	Webinar on "Quality Assurance and control in IT companies”	24.05.2020	Ms.Jothiswaroobinee, Senior Engineer, Accenture
10.	CSIR Sponsored national level Workshop on”A Real life Deployment on artificial intelligence on healthcare ecosystems”	10.7.2019 to 11.7.2019	Mr.Dhilip Kumar, Senior Engineer, Honeywell Technologies
11.	Workshop on “MATLAB for Engineering Applications”	1.2.2019	J.Glory Priyadharshini Angalin, S.Gomathy, , M.Prabha Maheswari,
12.	Workshop on Servicing, Handling of Equipment & Design Practice of solar Power plant	17.9.2018	Mr.Rajasingh, Senior Manager, VI Microsystems Pvt,Ltd

### Online Courses Completed

Sl. No.	Title	Platform
1	Electric Vehicles-Part I	NPTEL
2	Teaching and Learning in General Programs: TALG	NPTEL
3	Introduction to Internet of Things	NPTEL
4	Introduction to Smart Grid	NPTEL
5	Automating Team Communication with Google Sheets and Apps Script	Coursera
6	Introduction to Project Management	Coursera
7	Create Informative Presentations with Google Slides	Coursera
8	Introduction to Machine Learning	Coursera
9	AI for Everyone	Coursera
10	Create a Virtual Classroom using Google Slides	Coursera

### Awards and Recognitions Secured

Nil

### Self-appraisal

#### Major Strengths

- Hardworking
- Open minded
- Friendly with others

#### Major Weakness

- Lack of Publications work
- Lack of Consultancy work
- Lack of Sponsored Research Work

**Signature**