



Sri Ramakrishna Institute of Technology

(An Autonomous Institution)


(Accredited by NAAC with "A" Grade)

Pachapalayam, Perur Chettipalayam, Coimbatore – 641 010

www.srit.org :: Phone – 0422-2605577



Faculty Profile

Full name with Qualification, Designation and Department:					
Mr. E. RAMKUMAR , B.E., M.Tech., Assistant Professor(Sr.Gr), Electrical and Electronics Engineering					
Date of birth	:	01.09.1988	Gender	:	Male
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	8, Nalliya Mudaliyar Lane, Sathy Road, Ganapathy, Coimbatore-6.	Permanent address	:	Same as previous
Mobile no	:	9655888810	e-mail (official)	:	ramkumar.eee@srit.org
Landline	:		e-mail (personal)	:	ramkumareg@gmail.com
Date of joining	:	26.5.2016	Post of joining	:	Assistant Professor
No of promotions since D.O.J	:	1	Present post	:	Assistant Professor (Sr.Gr),
Present pay scale	:	19500 - 35000	Gross pay	:	Rs.40,183
Employer ID	:	TE262	Bank account No. (Salary credited)	:	500101010981097
P.F. No	:	TN/CBE/56764/736	Group Insurance No	:	
PAN Number	:	ARSPR9355C	Aadhar Number	:	9296 7173 4679
AICTE ID	:	1-3202118157	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Electronics and Instrumentation Engineering	2010	Kumaraguru College of Technology, Coimbatore	Anna University, Chennai.	First Class
PG	Power Electronics and Drives	2015	SRM University, Chennai	SRM University, Chennai	First Class with distinction
Ph.D	EEG and BCI	Pursuing			
Others					

Registration for Ph.D. with area of interest:

Year of Ph.D. Registration:

Year of Ph.D. Completed:

Thesis Title:

Supervisor Recognition Number:

Ph.D. Scholar Details

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

Academic Experience

Name of the College	Designation	Joining Date	Relieving Date	Experience		
				Years	Months	Days
Sri Ramakrishna Institute of Technology	Assistant Professor(Sr.Gr)	01.06.2019	-	4	5	23
Sri Ramakrishna Institute of Technology	Assistant Professor	26.05.2016	31.05.2019	3	0	5
Karpagam University	Assistant Professor	01.07.2015	31.03.2016	0	9	0
Total				7	14	28

Industrial Experience

	Designation				Experience
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Name of the Organisation		Nature of Work	Joining Date	Relieving Date	Years	Months	Days
Barani Hydraulics India Pvt. limited	Design Engineer (Electrical)	Design of electrical control circuit and programming	05.08.2010	31.07.2013	2	11	26
Total					2	11	26

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
22-23	IV	20EE007	Control Systems Engineering	Theory	100
22-23	IV	20EEG04	Electrical Drives Lab	Lab	100
22-23	VII	UEEE310	Switched mode Power Converters	Theory	100
22-23	VI	20EEE06	Electric Vehicles	Theory	100
22-23	V	20EE014	Power Electronics	Theory	100
21-22	VIII	UEEE109	Power Electronics for Renewable Energy Systems	Theory	100
21-22	IV	20EEE07	Control Systems Engineering	Theory	90
21-22	V	UEEG002	Medical Instrumentation	Theory	90
21-22	III	20EEG02	Electronic Devices and Circuits	Theory	100
20-21	IV	UEEC004	Control Systems	Theory	100
20-21	V	UEEC102	High Voltage Engineering	Theory	100
20-21	III	UICE008	Electrical Engineering	Theory	100
19-20	VI	UEEE309	PLC and SCADA	Theory	100
19-20	V	UEEC102	High Voltage Engineering	Theory	89

Projects Guided

Academic Year	Semester	Project Title	UG / PG
22-23	VIII	Design of LLC converter for EV Charging Applications	UG
21-22	VIII	Autonomous Navigation System for EV	UG

21-22	VIII	Design of Converters for EV Charging	UG
20-21	VIII	Solar based Converter for Charging Applications	UG
20-21	VII	Algae as Dye	UG
20-21	VII	Face Recognition Door	UG
19-20	VI	Two Legged and Four legged Robot	UG
19-20	VIII	Converter for Charge control	UG
19-20	VIII	Robotic Arm	UG
18-19	VIII	Design of Quadcopter for Pesticide Spray	UG
18-19	VIII	Driver Fatigue Monitoring System	UG
17-18	VIII	Renewable Energy harvesting Machine	UG
16-17	VIII	ToMEN – Plant Monitoring System	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	5	
Conferences		

Journal Publications (IEEE format)

1. E. Ramkumar, “Tomen: A Plant monitoring and smart gardening system using IoT”, International Journal of Pure and Applied Mathematics, March 2018, Vol 119, issue 7.
2. E. Ramkumar, “Eco Friendly Dye Extraction from Cyanophyta for Textiles” – IJITEE Volume-10 Issue-4 February 2021.
3. E. Ramkumar, “Implementing Facial Recognition by Interfacing MATLAB Along with Arduino” – IJITEE Volume-10 Issue-4 February 2021.
4. E. Ramkumar, “A Review on DC-DC converters for charging of Electric Vehicles using Solar Energy”, Journal of Xidian University, Volume 16, Issue 3, March 2022. P7-17.
5. E. Ramkumar, “A Review on Auto Control and Navigation of Electric Vehicles”, Journal of Xidian University, Volume 16, Issue 3, March 2022. P18-31.

Conference Publications (IEEE format)

Books / Book Chapters (IEEE format)

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
Telepresence Robot	SNR Trust - RPS	50,000	2 Years
Brain Machine Interfaced Robotic arm for feeding food to differently abled.	SNR Trust - RPS	1,48,500	2 Years
Brain Controlled Prosthetic arm	SNR Trust - RPS	7,500	6 months
SRIT Autonomous Car	SNR Trust	50,000	1 Year
Electronic notice board	SNR Trust	26,869	3 months
Autonomous mobile robot	SNR Trust	23,550	3 months
Fuel Monitoring System	Texas Instruments	200 USD	1 Year
Hook Stitching Machine	Texas Instruments	200 USD	1 Year
Algae as Dye	Texas Instruments	200 USD	1 Year

Consultancy

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

Workshops / Seminars attended

- National level conclave on **Electrifying Indian Mobility** (NCEIM-2019) on 28th to 29th December, 2019 at SRM Institute of Science and Technology, Kattankulathur.
- Pre-conference workshop on, “**Manipulators in Service and Robotics, Applications and Programming Interfaces**” by Kinova and Nugenix from 11th to 13th December, 2018.
- National workshop on **Challenges and Modern techniques in Realizing Complex Infrastructure** on 5th March, 2018 jointly organized by Satish Dhawan Space Centre SHAR, ISRO, Sriharikota & ISSE Sriharikota – Chennai Chapter.
- Two days hands on workshop on, “**Implementation of Image Processing Techniques using MATLAB for Project Development**”, in association with IIPCell on 19 to 20th Jan, 2018 at Kongu Engineering College, Erode.

Faculty Development Program attended (from recent)

- STTP on, “**AI and ML for Robotics**” organized by Centre for AI, IoT and Robotics, IIITDM, Kancheepuram, from 12.06.2023 to 16.06.2023.
- “**Revised Assessment and Accreditation of NAAC Changes & Challenges**” organized by SSMRV College and National Assessment and Accreditation Council from 01.02.2023 to 08.02.2023.
- "AI Accelerator for Electric Vehicle and Battery Charging Infrastructure: Design Methodology and Research Issues" organized by PSG College of Technology from 21.11.2022 to 02.12.2022.
- “**AI and Data science applications with oneAPI heterogeneous computing**” offered by SSNCE and BOSTON with Intel from Feb 7 – Feb 11, 2022.
- Faculty Enablement Program (FEP) on, “**Python Programming**”, offered by Infosys Springboard platform from June 13th - June 17th 2022.
- One day Faculty Development Program on, “**Mathematics Through MATLAB**”, on 5th October, 2019 sponsored by Ahalia Palakkad ISTE Chapter at Ahalia School of Engineering and Technology, Palakkad.
- Five day Faculty Development Program on, “**Distributed Generation and Smart Grids**”, on 24th to 28th June, 2019 sponsored by APJ Abdul Kalam Technological University at Ahalia School of Engineering and Technology, Palakkad.
- Seven-day TEQIP-III sponsored Short Term Training Program on “**Correlation of AI & ML in Research Perspective**”, during 3rd to 9th December, 2018 at Coimbatore Institute of Technology, Coimbatore.

Events Organized (from recent)

Conference - NIL

FDP

- Co-ordinator for ATAL FDP on Research Perspectives: Renewable Energy in Electric Vehicle Charging conducted from 22-26 Nov 2021

Workshops

- Bootcamp on, “Aerial Robotics” at SRIT.

Seminars

- Organized a webinar on, “Future Trends in Autonomous Vehicles”, on 28.01.2023 at SRIT.
- Organized a seminar on, “How to Write a winning Grant Proposal”, on 12.3.2022 at SRIT.

Online Courses Completed

Sl. No.	Title	Platform
	Electric Vehicles – Part I	NPTEL
	Batteries and Fuel Cells and their Social Impact	EDX
	Electric Cars – Technology	EDX
	Deep learning using Python	EDX
	Neuroscience and Pyschology: Electroencephalography	Udemy
	Model a car and Design PID controller Using MATLAB/Simulink	Udemy
	Autonomous robots : Kalman Filter	Udemy
	Digital Signal Processing with MATLAB	Udemy
	Simulink Onramp	MATLAB
	Orientation Towards Technical Education and Curriculum Aspects	NITTTR
	Introduction to python	Infosys Springboard
	Programming Fundamentals using Python - Part 1	Infosys Springboard
	Programming Fundamentals using Python - Part 2	Infosys Springboard
	Innovation Ambassador Training – Advanced Level.	AICTE

Awards and Recognitions Secured

- Silver Award** – REHM using RTV exhibited at i-ENVEX 2018, UniMAP, Malaysia.
- Gold Medal** – Ecofriendly Dye Extraction from Cyanophyta for Textiles exhibited at 4th I+Aceh 2019, Banda Aceh, Indonesia.
- Special Awards** – Ecofriendly Dye Extraction from Cyanophyta for Textiles exhibited at 4th I+Aceh 2019, Banda Aceh, Indonesia. (Universitas Ubudiya Indonesia)
- Outstanding Leader Award** – on occasion of 4th I+Aceh 2019, Banda Aceh, Indonesia.(Asia Invention Association)
- Gold Medal** – Saree Ironing and Folding Machine exhibited at KIDE 2019, Kaohsiung, Taiwan.
- Special Awards** - Saree Ironing and Folding Machine exhibited at KIDE 2019, Kaohsiung, Taiwan (Norton University, Croatia Inova, KUIA and MIIA)
- Participated in 2019 UniMAP – SRIT Mobility Programme on 21st – 25th January, 2019 at UniMAP, Malaysia.
- Participated in 2020 ViDE - Ecofriendly Dye Extraction from Cyanophyta – Silver Medal

- Participated in 2021 i2create – 2 Gold Awards
 - A smart and Simple Control of Robotic Arm for Pick and Place Applications
 - An Intelligent Social Distance Crowd Management System for pandemic Situation

Self-appraisal

Major Strengths

- Detail-oriented
- Collaborative
- Creative

Major Weakness

- Not skilled at delegating tasks

Signature