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:

Ms.Kirthika.K.M.,B.E., M.Tech., Ph.D.,

Assistant Professor,

Computer Science and Engineering

Date of birth	:	20.09.1989	Gender	:	Female
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	38 A, Chettipalayam street, Rukmani Colony, Veerakeralam, Coimbatore-641007.	Permanent address	:	38 A, Chettipalayam street, Rukmani Colony, Veerakeralam, Coimbatore-641007.
Mobile no	:	+91 9884711173	e-mail (official)	:	Kirthika.cse@srit.org
Landline	:	nil	e-mail (personal)	:	kirthikakmbe@gmail.com
Date of joining	:	26.06.2015	Post of joining	:	Assistant Professor
No of promotions since D.O.J	:	nil	Present post	:	Assistant Professor
Present pay scale	:	15600-39100	Gross pay	:	Rs 39,740
Employer ID	:	Te242	Bank account No. (Salary credited)	:	500101010689550
P.F. No	:	100522461322	Group Insurance No	:	AG00059675000102
PAN Number	:	DDSPK4901A	Aadhar Number	:	899680216276
AICTE ID	:	1-7841521	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Computer Science and Engineering	2012	Avinashilingam Institute for science and Higher education for Women,Faculty of Engineering	Avinashilingam University	First Class
PG	Computer Science and Engineering	2015	Avinashilingam Institute for science and Higher education for Women,Faculty of Engineering	Avinashilingam University	First Class with Discintinction
Ph.D	Information and Communication Engineering	2017	Anna University,Chennai	Anna University	Pursing

Registration for Ph.D. with area of interest:

Brain Computer Interface

Year of Ph.D. Registration:2017   **Year of Ph.D. Completed:** 2023

Thesis Title: Classification of Conductive and Sensorineural Hearing Loss Using Soft Computing Techniques.

Supervisor Recognition Number:

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
Sri Ramakrishna Institute of Technology	Assistant Professor	26.05.2015	Till date	8	4	29

				Total	8	4	29

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
2023-2024	I	20ITG01	Programming for Problem Solving Using C	Theory	
2023-2024	I	20ITG01	Programming in C Laboratory	Laboratory	
2023-2024	VII	20CSP53	Machine Learning &Deep Learning Techniques	Theory	
2023-2024	V	20CS010	Networks Laboratory	Laboratory	
2022-2023	VII	UCSC104	Pattern Recognition	Theory	100%
2022-2023	I	20ITG01	Programming For Problem Solving Using C	Theory	77%
2022-2023	I	20ITG02	Programming in C	Laboratory	100%
2022-2023	VI	20CSP25	Python Programming	Theory	98%

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2022-2023	III&IV	Intelligent system to detect artificially ripened mangoes	PG
2022-2023	VII&VIII	EEG Based Hearing Threshold Classification Using Multilayer Perceptron Neural Network	UG
2022-2023	VII&VIII	GENETIC HADAMARD QUANTUM AND MULTINOMIAL VECTOR HEARING SENSITIVITY LEVEL DETECTION WITH AUDITORY EVOKED POTENTIALS	UG
2022-2023	VII&VIII	EEG -Based Auditory Cortex Detection using Neuro-Fuzzy prediction	UG
2022-2023	VII&VIII	Performance Prediction of Single Slope Solar Still using Artificial Neural Network	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	4	
Conferences	3	

Journal Publications (IEEE format)

1. Kirthika KM, Paulraj MP, Hema CR. Chebyshev polynomial dempster convolutional hearing sensitivity level detection with auditory evoked potentials. Journal of Intelligent & Fuzzy Systems., 04 October 2023 vol. 45, no. 4, pp. 5353-5366, 2023

2. Regression Analysis of cooling load for sericulture, International Journal of Advanced Research in dynamic and control systems, Vol 9. sp-14/2018, pg. no:3012-3026.

3. Prediction on Vibro-Wind Energy Harvester, International Journal of Psychosocial Rehabilitation May 2020. Vol.24-Issue 10.

4. Preventing Farmhouse and Humans from Wild Animal Attacks Using IOT International Journal of Engineering and Research and Technology August 2020. Vol.2.Issue 4 International Journal of Engineering and Research.

Conference Publications (IEEE format)

1. Best Paper Award for the Research Title "Hand Gesture Recognition to Control Electronic Appliances using TensorFlow" With a Cash Prize Of Rs 5000/- Organized by 2nd International Conference on Next Generation Computing Systems ICDCS-2023.

2. Kirthika K.M., Harshinnee C R M, "Hearing Threshold level Classification using Neural Netwokr" In The 2nd International Conference On Next Generation Computing Systems held during , 17th -18th , 2023 Organized by PSG Institute of Technology and Applied Research, Coimbatore.

3. Kirthika K.M., Harshinnee C R M, "EEG based Hearing Threshold using Neural Network " In The 3rd International Conference On Artificial Intelligence and Smart Computing held during , 9th -11th , 2023 Organized Bannari Amman Institute of Technology, Coimbatore.

Books / Book Chapters (IEEE format)

Nil

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
Mehndi Design Robot	SRIT RPS	7500	One year
Intelligent system to detect artificially ripened mangoes	SRIT RPS	7500	One year
Smart Straw	SRIT RPS	20000	One year

Consultancy

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

Workshops / Seminars attended :

Faculty Development Program attended (from recent)

1. Participated in a two-week FDP on" Faculty Development Programme on Entrepreneurship" Organized by Galgotias University from 3-17 August 2023.

2. Faculty Enablement Program (FEP) on Artificial Intelligence that was offered by Infosys Springboard platform from June 6 th - June 10 th 2022.

3. Five Days International STTP on Block chain for Digital Transformation held virtually during 12.08.2021 to 16.08.2021 organized by Department of CSE,CBIT(A),Hyderabad,Telangana.

4. Five Days International STTP on Block chain for Digital Transformation held virtually during 12.08.2021 to 16.08.2021 organized by Department of CSE,CBIT(A),Hyderabad,Telangana.

5. Faculty Development program on Artificial Intelligence :an Industry perspective, Panimalar Institute of Technology,Banglore, (7 days)26.05.20 to 01.06.20

6. Faculty Development program on Adavance Research Methology and Innovative Teaching Pedagogy, Tulsiramji gaikwad-patil college of engineering and Technology, (7 days) 08.06.20 to 13.06.20.

7. Faculty Development Program and Online Training on "OpenModelica and OpenIPSL,

V.K.R, V.N.B & A.G.K COLLEGE OF ENGINEERING, Gudivada. (7 days) 17.06.20 to 23.06.20)

8. Faculty Development Program and Online Training on "Securities in Global Emergencies,organized by dept of CSE,Nehru college of Engineering and Research Centre,Thrissur,Kerala (13.07.20 to 17.067.20)

Events Organized (from recent):

Conference:Nil

FDP:NIL

Workshops

1. Organized a one-day National Level workshop on "JUMP START:PYTHON " on 16th November 2023.

2. Managing the execution of 'Mastering Backpropagation: The Neural Network Learning Algorithm' at the state level on October 18, 2023, allowed me to demonstrate my proficiency in orchestrating complex educational programs.

3. Organized SRIT RISE and SRIT Internal Hackathon.

Seminars

1. Conducting an 'Awareness Seminar on Drone Applications' specifically tailored for school students on September 28, 2023, honed my ability to communicate complex concepts effectively to diverse audiences.

Online Courses Completed

Sl. No.	Title	Platform
1.	Exploratory Data Analysis	Coursera
2.	AI For everyone	Coursera
3.	AWS Fundamentals: Going Cloud Native	Coursera
4.	Autism Spectrum Disorder	Coursera
5.	Python Data Structure	Coursera

Awards and Recognitions Secured :

1. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual and Ms.V.R.Meenachi won Double Gold award for invention titled "An Automatic Temperature Controlling System for Optimal Sericulture and Mobile Mulberry Hiring Centre"exhibited at International Engineering Invention and Innovation Exhibition (I- ENVEX) 2018 conducted by University of Malaysia Perlis on 13.04.2018 - 15.04.2018 at Malaysia.

2. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual and Ms.V.R.Meenachi won Special awardfor invention titled "An Automatic Temperature Controlling System for Optimal Sericulture and Mobile Mulberry Hiring Centre" exhibited at International Engineering Invention and Innovation Exhibition (I-ENVEX) 2018 given by Nortan University conducted by University of Malaysia Perlis on 13.04.2018 - 15.04.2018 at Malaysia.

3. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual and Ms.V.R.Meenachi won Gold Awardfor Invention entitled, "An Automatic Temperature Controlling System for Optimal Sericulture and Mobile Mulberry Hiring System" exhibited at World Invention Creativity Olympic (WICO) 2018 on 4.08.18 at Seoul, Korea.

4. Mr.R.Immanual, Dr.K.Sheela Sobana Rani, Ms.K.M.Kirthika, Ms.J.Sathya, Ms.R.Sathishkumar won Silver Award for the invention titled "Creation of voice over ppt using Python exhibited at World Invention Creativity Olympic (WICO) 2018 given by Norton University on 08.07.21 - 10.07.21 at Seoul, Korea.

5. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual and Ms.V.R.Meenachi won Double Gold award for invention titled "An Automatic Temperature Controlling System for Optimal Sericulture and Mobile Mulberry Hiring Centre" exhibited at International Engineering Invention and Innovation Exhibition (I- ENVEX) 2018 conducted by University of Malaysia Perlis on 13.04.2018 - 15.04.2018 at Malaysia.

6. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual and Ms.V.R.Meenachi won Special award for invention titled "An Automatic Temperature Controlling System for Optimal Sericulture and Mobile Mulberry Hiring Centre" exhibited at International Engineering Invention and Innovation Exhibition (I- ENVEX) 2018 given by Nortan University conducted by University of Malaysia Perlis on 13.04.2018 - 15.04.2018 at Malaysia.

7. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual and Ms.V.R.Meenachi won Gold Award for Invention entitled, "An Automatic Temperature Controlling System for Optimal Sericulture and Mobile Mulberry Hiring System" exhibited at World Invention Creativity Olympic (WICO) 2018 on 02.08.18 - 4.08.18 at Seoul, Korea.

8. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual and Ms.V.R.Meenachi won Special Award for Invention entitled, "An Automatic Temperature Controlling System for Optimal Sericulture and Mobile Mulberry Hiring System" exhibited at World Invention Creativity Olympic (WICO) 2018 given by Norton University on 02.08.18 - 4.08.18 at Seoul, Korea.

9. Dr.C.R.Hema , Ms. K.M.Kirthika, Mr R.Immanual,Mr.Ravinder Kumar N,Mr.Monish S, Mr Rakhul.R won Silver Award and Special Award for invention entitled, "Automatic Fishing boat"exhibited at i2create 2019,Kualalumpur Malaysia.

10. Dr.C.R.Hema,Ms. K.M.Kirthika,Ms Meenachi VR, Mr R.Immanual,Mr Silamarasan,Mr.Kirubakaran.S won Gold Award and Excellent Award for invention entitled, "Mehndi(inai)Applier Machine"exhibited at i2create 2019,Kualalumpur Malaysia.

11. Dr.Paulraj, Dr.K.Sheela Sobana Rani, Ms. K.M.Kirthika, Mr R.Immanual,Mr Hariharan A,Mr Deepak Antony .JV, won Silver Award and WIPPA Special Award for invention entitled, "Paper bag Machine"exhibited at i2create 2019,Kualalumpur Malaysia.

12. Won Silver Award for the invention titled "Creation of voice over ppt using Python"; exhibited at World Invention Creativity Olympic (WICO) 2018 given by Norton University on 08.07.21 - 10.07.21 at Seoul, Korea.

13. Won Gold Award for the invention titled Smart Home System to monitor online classes of young children for working parents exhibited at I2create 2021 held on 16.09.2021.

Self-appraisal

Major Strengths

1. Dedication
2. Multi-tasking
3. Adaptation

Major Weakness

1. Undeniable
2. Desire for Continued Learning
3. Attention to Detail

Signature