



**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: Ms.J. Shiny Christobel., B.Tech., M.E., (Ph.D) Assistant Professor, Electronics and Communication Engineering					
Date of birth	:	11.10.1993	Gender	:	Female
Nationality	:	Indian	Marital status	:	Married
Address for correspondence	:	Staff Quarters, SRIT, Pachapalayam, Coimbatore - 641010	Permanent address	:	No 8/17, Old Maniyakara Street, Nellikuppam, Cuddalore - 607105
Mobile no	:	8870277225	e-mail (official)	:	shiny.ece@srit.org
Landline	:	-	e-mail (personal)	:	miracle.shiny@gmail.com
Date of joining	:	29.12.2018	Post of joining	:	Assistant Professor
No of promotions since D.O.J	:	-	Present post	:	Assistant Professor
Present pay scale	:	Rs.15,600 – Rs. 39,000	Gross pay	:	Rs. 33,340
Employee ID	:	TE370	Bank account No. (Salary credited)	:	500101012096940
P.F. No	:	101148767746	Group Insurance No	:	-
PAN Number	:	BKLPJ1433N	Aadhar Number	:	970508716974
AICTE ID	:	1-4492444262	AICTE Institution ID	:	1-7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	Image Processing	2024 (Expected)	Anna University, Chennai	Anna University, Chennai	82.3% (Provisionally Confirmed)
PG	Communication Systems	2017	SSN College of Engineering,	Anna University, Chennai.	82.4% (First Class)
Ph.D	ECE	2015	Karunya University, Coimbatore.	Karunya University, Coimbatore.	77.8% (First Class)
Others	PGDCA	2018	Annamalai University, Chidambaram		76 % (First Class)

Registration for Ph.D. with area of interest: Image Processing

Year of Ph.D. Registration: 2021

Year of Ph.D. Completed: 2024 (Expected)

Thesis Title: AI Driven Approach for Image Authentication Techniques

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 (SRIT), Coimbatore	Assistant Professor	28.12.2018	Till Date	5	0	0
Idhaya Engineering College for Women (IECW), Chinnasalem, Villupuram Dt.	Assistant Professor	01.07.2017	27.12.2018	1	5	28
Total				6	5	28

Industrial Experience

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

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-2024	V	20EC013	Digital Signal Processing	T	85 % (Expected)
		20EC016	Digital Signal Processing Laboratory	L	95 % (Expected)
2022-2023	VII	UECE109	Cryptography and Network Security	T	97.6 %
	III	20ECE01	Electronic Instrumentation and Measurements	T	78 %
	I	20MEG02	Engineering Workshop Laboratory	L	100%
	II	20EC001	Electron Devices	T	95 %
	II	20MEG02	Engineering Workshop Laboratory	L	100%
2021-2022	V	UEEC008	Digital Signal Processing	T	100%
	I	20EEG01	Basic Electrical and Electronics Engineering	T	87 %
	I	PCOE002	Research Methodology	T	100 %
	II	20EC001	Electron Devices	T	98 %
2020-2021	V	UEEC008	Digital Signal Processing	T	100%
	I	20MEG02	Engineering Workshop Laboratory	L	100%
	I	PCOC003	Advanced Digital Communication	T	100%

	VI	UECC013	Cellular and Mobile Communication	T	100%
	II	PCOE007	Network Security	T	100%
2019-2020	III	UICE006	Digital Principles and System Design	T / L	91%
	VI	UECG002	Introduction to embedded Systems	T	96%

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2023-2024	VII	Implementation of MIFARE based Identity Card for Students for Hostel Madays	UG
		Implementation of RFID and IoT based Identity Card for Students for Library Management	UG
2022-2023	VII	Implementation of RFID and IoT based Identity Card for Students	UG
2021-2022	VII	Smart Metal Detector	UG
	VIII	Implementation of Library Management System	UG
	VIII	Food Preservation using pulsed electric field	UG
2020-2021	VII	Home Automation using Bluetooth Module	UG
	VIII	IoT based Kitchen Wardrobe Stock Tracking System	UG
		ChatBot using Web Based Technology	UG
2019-2020	VIII	Anti-Theft ATM Protection and Security System with Real Time Monitoring	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	6	Book Chapter-1
Conferences	4	

Journal Publications (IEEE format)

1. **J. Shiny Christobel**, D. Vimala, J. Joshan Athanesious, S. Christopher Ezhil Singh, Sivaraj Murugan, "Effectiveness of Feature Extraction by PCA-Based Detection and Naive Bayes Classifier for Glaucoma Images", **International Journal of Digital Multimedia Broadcasting**, (Hindawi Publications), Volume, 2022, Article ID 4802872, <https://doi.org/10.1155/2022/4802872> (Scopus, SCI).
2. **Shiny Christobel J**, Blessington Praveen P, Harivignesh R, Manoj kumar R, "The Implementation of Library Management System", **International Journal of Engineering Research & Technology (IJERT)**, ISSN: 2878-0282, Vol. 5 Issue 26, April-2022.
3. **J.Shiny Christobel**, R.Deepakraj, J.V Jaron and N.Abinavan, "IoT based Kitchen Wardrobe Stock Tracking System", **International Journal of Advances in Engineering and Management (IJAEM)**, Volume 3, Issue 3, pp 1069-1073, ISSN: 2395-5252, April 2021.
4. **J.Shiny Christobel**, K.Prabhakaran,M.Sudharshan and Vidhyasahar R "Chat Bot using Web based Technology", **International Journal of Advances in Engineering and Management (IJAEM)**, Volume 3, Issue 3, pp 1074-1077, ISSN: 2395-5252, April 2021.
5. Joshan Athanesious J, Vasuhi. S, Vaidehi. V, **Shiny Christobel.J**, Sibi Chakkaravarthy. S, "Detecting Abnormal Events in Traffic Video Surveillance using Super-Orientation Optical Flow Feature", **IET Image Processing**, Vol. 14, no. 09, July 2020. (SCOPUS, SCI, SCIE).
6. Joshan Athanesious J, S. Vasuhi, V. Vaidehi, **J. Shiny Christobel**, L. Jerart Julius, "Adaptive Density Based Data Mining Technique for Detection of Abnormalities in Traffic Video Surveillance", **Journal of Intelligent & Fuzzy Systems**, IOS Press, DOI:10.3233/JIFS-192062 April 2020. (SCIE).

Conference Publications (IEEE format)

1. **Shiny Christobel J**, "Design and Fabrication of Arduino based Seed Sowing System", International Conference on Electronics, Communication and Networking (ICECN- 2022, Sri Ramakrishna Institute of Technology, Coimbatore, 10th November 2022.
2. **Shiny Christobel J**, D.Vimala and J.Joshan Athanesious "Feature Extraction of Glaucoma Detection using Principal Component Analysis and Comparative Analysis of Classifiers", International Conference on Technology Convergence in Engineering Energy and Sustainability, Vimal Jyothi Engineering College, Kannur, Kerala, 11th and 12th July 2019.
3. **J.Shiny Christobel** and J.Joshan Athanesious, "Comparative Analysis of Texture Patterns for the Detection of Breast Cancer using Mammogram Images", International Conference on Artificial Intelligence Smart Grid and Smart City Applications, PSG College of Technology, Coimbatore, 3rd to 5th January, 2019.
4. **J.Shiny Christobel** and J.Joshan Athanesious, "Detection of Mammogram Images using LBP and Modified LBP with Comparative Analysis", International Conference on Recent Trends in Electronics, Computing and Communication Engineering 2019 at Saveetha School of Engineering, Chennai, 25th and 26th April 2019.

Books / Book Chapters (IEEE format)

1. **J.Shiny Christobel** and J.Joshan Athanesious, “Comparative Analysis of Texture Patterns for the Detection of Breast Cancer using Mammogram Images”, **Advances in Computerized Analysis in Clinical and Medical Imaging with Taylor and Francis, CRC Press**, Chapter 19, 2019.

Sponsored Research

Project Title	Funding Agency	Amount Rs.	Duration
-			

Consultancy

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

Workshops / Seminars attended

1. DRDO Sponsored Two Days National Seminar on 3D – Monolithic, Microwave Integrated Circuits (MMIC) Design, Fabrication and Applications, at Dhanalakshmi Srinivasan College of Engineering, Coimbatore, 9th and 10th November, 2022.
2. Participated in National Level Seminar on “Image and Signal Processing for Biomedical Applications” at M.Kumarasamy College of Engineering, Karur on 12th October, 2019.
3. Participated in Two Days National Workshop on Hands on Training on “Artificial Neural Network using MATLAB” at VIT University, Chennai on 3rd and 4th August 2019.
4. Participated in CSIR sponsored Seminar on “Deep Reinforcement Learning with Double Q-Learning Algorithm” at P.A College of Engineering and Technology, Pollachi, on 26th and 27th June, 2019.
5. Participated in the one day Workshop on “Python Programming” organized by IIT Bombay – NMEICT at Sri Ramakrishna Institute of Technology, on 22nd June 2019.
6. Participated in ICMR sponsored workshop on “Machine Learning Techniques for Lifestyle and Related Risk Factors for Chronic Diseases among Adolescent Age Group Using Translational Research” on 3rd and 4th April 2019.
7. Participated in the one day Workshop on “Moodle Learning Management System” organized by IIT Bombay – NMEICT at Kalaingar Karunanidhi Institute of Technology, on 15th March 2019.

Faculty Development Program attended (from recent)

1. Participated in 2 days FDP on **“Applications on Generative AI”** conducted by Naan Mudhalavan and Anna University on 3rd Nov and 4th Nov, 2023 T Sri Krishna Institute of Technology, Coimbatore.
2. Participated & completed successfully **5 Days AICTE Training and Learning (ATAL) Academy Online FDP on “Wearable Devices”**, at College of Engineering, Pune from 21st Sep, 2020 to 25th Sep, 2020.
3. Participated in 14 days AICTE sponsored FDP, **“Emerging Technology in Wireless Communication and Networks with Hands on Training in Advanced Simulators”**, at Dhanalakshmi Engineering College, Chennai from 19th Nov to 2nd Dec 2019.
4. Participated in 6 days and FDP on **“NLP Techniques for Teaching GEN Z Students”** at Sri Ramakrishna College of Arts and Science, Coimbatore from 04th to 09th Nov, 2019.
5. Participated in Anna University and AICTC Sponsored 6 days FDP on **“Digital Signal Processing”** at SRM Valliyammai Engineering College, Chennai from 10th to 15th June, 2019.

Events Organized (from recent)

Seminars

1. Organized a Seminar on **“Introduction to Image Processing using MATLAB”** on 27th October 2023.
2. Organized a **Webinar on Computer Vision for AI Applications** on 26th May, 2020.
3. Organized a DHR-ICMR sponsored **Workshop on “Machine Learning Techniques for Lifestyle and Related Risk Factors for Chronic Diseases among Adolescent Age Group Using Translational Research** on April 3rd and 4th, 2019.

Online Courses Completed

Sl. No.	Title	Platform
1.	Introduction to Industry 4.0 and Industrial Internet of Things (AICTE approved FDP)	NPTEL
2.	Internet of Things (IoT) (AICTE approved FDP)	
3.	Accreditation and Outcome Based Learning (AICTE approved FDP)	
4.	Module 1- Orientation towards Technical Education and Curriculum Aspects (AICTE Approved FDP Course)	NITTT –AICTE Mandatory Courses for Faculty Less

5.	Module 2 - Professional Ethics & Sustainability	Than 5 Years
6.	Module 3- Communication Skills, Modes & Knowledge Dissemination	
7.	Module 4 - Instructional Planning and Delivery	
8.	Module 5- Technology Enabled Learning & Life Long Self Learning	
9.	Module 6 – Student Assessment and Evaluation	
10.	Module 7 – Creative Problem Solving, Innovation and Meaningful R & D	
11.	Module 8 – Institution Management and Administrative Procedure	
12.	AI for Everyone	Coursera
13.	Image Processing for Python	
14.	ML for All	
15.	Python	

Awards and Recognitions Secured

1. Participated in **Project Expo and Paper Presentation** titled “Implementation of RFID and IoT based Smart Identity Card for Students“, Nexus 2023 organized by Government College of Technology, Coimbatore on 31st March and 1st April 2023.
2. Awarded **Award of Merit** for the project “Design and Fabrication of Multi-Tool Ploughing Machine” exhibited at Virtual Expo of Innovation Product and System Design (ViDE 2020), **Universiti Malaysia Perlis (UniMAP), Malaysia.**
3. Awarded **Silver Medal** for the project “Design and Fabrication of Multi-Tool Ploughing Machine” exhibited at Virtual Expo of Innovation Product and System Design (ViDE 2020), **Universiti Malaysia Perlis (UniMAP), Malaysia.**
4. Awarded **Gold Medal by Ubudiyah University, Indonesia** for the project Mehndi Designer Traditional Decorative Designs Applier Machine exhibited at The 4th International Art, Creativity and Engineering Exhibition in Banda Aceh, Indonesia.
5. Awarded **Special Award by Asia Invention Association (AIA), Indonesia** for the project Mehndi Designer Traditional Decorative Designs Applier Machine exhibited at The 4th International Art, Creativity and Engineering Exhibition in Banda Aceh, Indonesia.
6. Awarded **Semi Grand Award by Asia Invention Creativity Association (AICA), Indonesia** for the project Mehndi Designer Traditional Decorative Designs Applier Machine exhibited at The 4th International Art, Creativity and Engineering Exhibition in Banda Aceh, Indonesia.

Self-appraisal**Major Strengths**

Good in all academic Works

Passion to teach

Major Weakness

Lacks Industrial Experience

Others:

- Deputy Warden (Since August 2019)
- SRIT Admission Core Team since 2019



Signature