



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. S MUNAF ,B.E., M.E.

Assistant Professor (Sr.Gr),

Electronics and Communication Engineering



Date of birth	:	06/01/1980	Gender	:	Male
Nationality	:	INDIAN	Marital status	:	Married
Address for correspondence	:	25/48ab Kuttai thottam, Jothipuram post, Coimbatore -47.	Permanent address	:	25/48ab Kuttai thottam, Jothipuram post, Coimbatore -47.
Mobile no	:	9786903037	e-mail (official)	:	munaf.ece@srit.org
Landline	:	---	e-mail (personal)	:	munafece@gmail.com
Date of joining	:	12.06.2010	Post of joining	:	Lecturer
No of promotions since D.O.J	:	01	Present post	:	Assistant Professor (Sr.Gr)
Present pay scale	:	Rs.15,600/- to Rs.39,100/-	Gross pay	:	46,027/-
Employee ID	:	TE091	Bank account No. (Salary credited)	:	500101010584037
P.F. No	:	TN/CBE/56764/460	Group Insurance No	:	---
PAN Number	:	BJTPM0498R	Aadhar Number	:	518860473871
AICTE ID	:	1-472439015	AICTE Institution ID	:	1- 7841521

Educational Qualification

Degree	Specialization	Year of Passing	Name of the College	Name of the University	Class Obtained
UG	ECE	2006	Government College of Technology, Coimbatore	Anna University, Chennai.	74.91% First Class
PG	VLSI	2010	Anna University of Technology Coimbatore.	Anna University of Technology Coimbatore.	8.92CGPA First Class with Distinction
Ph.D	Multimedia VLSI signal Processing			Anna University, Chennai.	Going to Submit Thesis

Registration for Ph.D. with area of interest: Multimedia VLSI signal Processing

Year of Ph.D. Registration: July 2015

Year of Ph.D. Completed: -

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
SRPTC	Lecturer	01/08/2006	30/04/2010	3	8	29
SRIT	Lecturer	12/06/2010	31/7/2011	1	1	19
SRIT	Assistant Professor	01/8/2011	30/9/2016	5	1	29

SRIT	Assistant Professor (Sr.Gr)	01/10/2016	Till date	7	1	22
Total				17	03	03

Industrial Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Micro Instruments Ltd	Assembler	Service	25/04/1998	12/04/2000	1	11	18
Total					1	11	18

Courses Handled

Academic Year	Semester	Course Code	Course Name	Type of Course (T / L)	Pass Percentage
2023-2024	III	20EC002	Analog Electronics	T	-
	III	20EC005	Analog Electronics LAB	L	-
2022-2023	III	20EC002	Analog Electronics	T	89%
	III	20ECG02	Digital Principles and System Design	T	74%
	VI	20EC018	Digital VLSI Design	T	75%
2021-2022	III	20EC002	Analog Electronics	T	96%
	III	20ECG02	Digital Principles and System Design	T	78%
	VI	UECE104	Biomedical Instrumentation	T	85%
	IV	20EC011	Integrated Circuits Laboratory	L	94%
2020-2021	III	UECC001	Electron Devices	T	100%
	V	UECC011	Digital Signal Processing	T	100%
	IV	UECC005	Analog Electronics (A&B)	T	99%
2019-2020	III	UECC003	Digital Logic with HDL	T	60%
	IV	UECC005	Analog Electronics	T	100%
	V	UECC011	Digital Signal Processing	T	93%
2018-2019	III	UECC003	Digital Logic with HDL	T	62%
	IV	UECC005	Analog Electronics	T	82%
	V	EC6502	Principles of Digital Signal Processing	T	88%
	V	EC6511	Digital Signal Processing	T	98

2017-2018			Laboratory		
	VI	EC6612	VLSI Design Laboratory	L	98%
	I	PCOE002	Research Methodology	T	100%
	III	EC6304	Electronic Circuits-1	T	60%
	III	EC6311	Analog and Digital Circuits Laboratory	L	100%
	IV	EC6504	Microprocessor and Microcontroller	T	74%
	VI	EC6601	VLSI Design	T	86%

Projects Guided

Academic Year	Semester	Project Title	UG / PG
2023-2024	7	Inventory mapping-based automatic early Landslide detection system	UG
		IOT Enabled E-Prescription System Using RFID	UG
2022-2023	7 & 8	Automatic Street Light Illumination-Based Battery Charging System	UG
		Gender Age Deduction and Emotion Precognition Using Image Processing	UG
2021-2022	7 & 8	Low Illumination Video-Image Enhancement	UG
		Heart Rate Monitoring Systems Using IOT	UG
2020-2021	7 & 8	Automated Farming System Using GSM	UG
		Density Based Traffic Controller System Using Wireless Sensor Networks	UG
2019-2020	7 & 8	Automated Paddy Fields Excess Water Management System	UG
2018-2019	7 & 8	IOT Based Soil Analyzer and Fertility Detector for High Productivity of Crops	UG
		Automatic Honking Control System for Automobiles Using Arduino	UG

Publications

Publications	SCI / Scopus / Web of Sciences	Others
Journal	3	10
Conferences	1	

Journal Publications (IEEE format)

1. S Munaf , Hari Prabhakar V, Nishanth N S, Dhanushh S M “**Automatic Battery Charging Using Illumination of Street Light**”, European Chemical Bulletin, 2023,12(7), 1343-1351. (Scopus). DOI 10.48047/ecb/2023.12.7.1022023.13/06/2023
2. A.N.Jayanthi , **S.Munaf**, A.Bharathi, ” Wearable Child safety System”, IOP Conference Series: Materials Science and Engineering, Volume 932, issue 1, September 2020 (Scopus). DOI 10.1088/1757-899X/932/1/012088
3. **S.Munaf**, A.Bharathi, A.N.Jayanthi “An Enhanced Low Power Dual Data Injection Technique for Coarse – Grained Reconfigurable Architecture”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2, December 2019, IF 5.54,Indexed: Scopus indexed, Google scholar, Research Gate. (Scopus)
4. **Munaf S**, Santhosh sabari M,Shankaran K P,Tamilvelan M P “SOLAR POWER BANK WITH INDUCTIVE CHARGING” International Journal of Creative Research Thoughts (IJCRT), volume 10 issue 11, 2022.
5. Dr. G. Sekar, **Mr. S. Munaf** “Smart Fire Fighting Robot”, International Journal Of Engineering Sciences &Research Technology, Vo9 issue 2, February 2020, ISSN: 2277-9655.IF 5.16. DOI: 10.5281/zenodo.3692929 Indexed: Thomson Reuters, Google scholar, Research Gate.
6. **S. Munaf**, S. Monika, G. Monika, V. Gopika&S. Arthi “Auto Honking Control System For Vehicles” international journal of Engineering Sciences & Research Technology, Vo9 issue 6, June 2020, ISSN: 2277-9655.IF 5.16. doi.org/10.29121/ijesrt.v9.i6.2020.13. Indexed: Thomson Reuters, Google scholar, Research Gate.
7. **S.Munaf**, A.Bharathi, A.N.Jayanthi “A Review on performance Optimization Techniques in Coarse-Grained Reconfigurable Architecture for Multimedia Applications” International Research Journal of Engineering and Technology (IRJET) Volume: 07 Issue: 11 Nov 2020 .
8. **S.Munaf**, A.Bharathi, A.N.Jayanthi “Performance Improvement Technique In Divide-By-2/3 Counter Using Static Flip-Flop”, International Journal of Advance Research and Innovative Ideas in Education Vol 5 Issue 3, June 2019, ISSN: 2395-4396, IF 4.06,Indexed: Google scholar, Thomson Reuters Research Gate, JIF.
9. **S.Munaf**, K. Kamesh, A. Karthik Raja, K.Kesavaraj and M. Lakshmanan,“ Mobile Avoidance for Safe Driving using Embedded System Design”, International Journal of Research in Engineering , Science and Management Vol 2 Issue 3, March-2019, ISSN:2581-5792, IF 4.308,Indexed: Google scholar, Research Gate, SIJF.
10. **S.Munaf**, S. Lakshmana Sruthi , V. Dharani and M. Hanupriya “Efficient Real Time Railway Ticket Management System”, International Journal of Research in Engineering , Science and

Management Vol 2 Issue 3, March-2019, ISSN:2581-5792, IF 4.308,Indexed: Google scholar, Research Gate, SIJF.

11. **S.Munaf** , Sathish K “Intelligent Transport Monitoring System for School Children”, International Journal for Research Trends and Innovation,Vo4 issue 1, January 2019, ISSN: 2456 – 3315 .IF 4.87.
12. **S.Munaf**, L.Malathi A.Bharathi, A.N.Jayanthi, “Review on Power Dissipation Analysis of Conventional SRAM Cell Architecture” International Journal of Advanced Research in Computer Engineering & Technology, Vo6 issue 11, Nov 2017, ISSN: 2278 – 1323.
13. L.Malathi, **S.Munaf**, A.Bharathi, A.N.Jayanthi “FPGA Implementation of Compressing Technique in VLSI multipliers for FFT architectures” International Journal of Current Engineering And Scientific Research, Vo4, issue 11, Nov 2017, ISSN: 2393-8374.

Conference Publications (IEEE format)

1. Dr.AN.jayanthi , **S.Munaf** ,P. Malathi, Dr.A.Bharathi “Wearable child safety system”, in the The 1st International Conference of Science, Engineering and Technology ICSET 2020 Secretariat Faculty of Engineering Technology, Universiti Malaysia Perlis (UniMAPon 27th February 2020) (*Scopus*).

Books / Book Chapters (IEEE format)

1. **Mr. S. Munaf** published a book titled “**Simulation procedure of Verilog codes Using Chip Scope Pro Analyzer**” ISBN- 9781684877218, Publisher: Notion Press (published on 09.09. 2022).
2. **Mr. S. Munaf** published a lab manual titled "**Analog Electronics Laboratory**", ISBN- 9781639200771, Publisher: Notion Press (published on 06.05. 2021).
3. Dr.A.N. Jayanthi , **Mr.S.Munaf** and Dr.D. Binu published a lab manual titled “**Analog And Digital Circuits Laboratory Manual**” ISBN- 9781639573677, Publisher: Notion Press (published on 11.06. 2021).
4. **Mr. S. Munaf**, Dr.G. Sekar, and Mr.A. Shankar, published a lab manual titled "**Digital Electronics Laboratory**", ISBN :9781648502002, Publisher: Notion Press (published on 03.03. 2020).

Sponsored Research (1)

Project Title	Funding Agency	Amount Rs.	Duration
1.Bus Safety System Using RFID and GSM Module	DST& Texas Instruments	\$200	2017-2018

Consultancy

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

Workshops attended

1. Participated in the National Level Workshop on **AICTE sponsored** “VLSI to System design : Silicon to end application approach”. organized by AICTE, during 31st July to 4th August 2023.
2. Participated in the National Level Workshop on **CSIR sponsored** “Emerging Energy Storage Technologies For Solar Systems” organized by Sri Ramakrishna Engineering College, on 24.01.2020.
3. Participated in the National Level Workshop on “LaTeX Training” organized by **IIT Bombay**, funded by the National Mission on Education through ICT, MHRD, Govt. of India. on 17.05.2020.
4. Participated in the National Level Workshop on “Python For Data Analysis” organized by **REVA University, Bangalore**, during 17.06.2020 to 19.06.2020.
5. Participated in the National Level Workshop on “**Design To Your Own Solar Home System**” organized by Energy Swaraj Foundation ,during 01-05-2020 to 26.05.2020.
6. Participated in the two days **Tamilnadu State Council for Science and Technology and Department of Science and Technology**, New Delhi sponsored Workshop on “Intellectual Property Rights (IPR)” organized by Internal Quality Assurance Cell -Mohamed Sathak AJ College of Engineering. on 2.06.2020 to 3.06.2020.
7. Participated in the National Level Workshop on “Hands-on training on Solar Study Lamp Assembly” organized by **IIT Bombay** ,during 01 May 2019 to 31 Dec 2019.
8. Participated in the one day National Level Workshop on “ Moodle Learning Management System” organized by **IIT Bombay** – NMEICT at Kalaingar Karunanidhi Institute of Technology, Coimbatore .on 15.03.2019.
9. Participated in the one day Workshop on “ Industrial Automaton using PLC ” organized by Department of EEE, Kumaraguru College of Technology on 21.02.2018.
10. Participated in the two days Workshop on “Internet of Things using RASPBERRY PI” organized by Department of EEE, Kumaraguru College of Technology on 07.9.2017 to 08.9.2017.

Seminars attended

1. Participated in the TNSCST Sponsored Two Day National Seminar on “Deep Learning Techniques Formilitary Surveillance Applications”, organized by the Department of Electronics and Instrumentation Engineering, Kongu Engineering College on 02.11.2020 and 03.11.2020
2. Participated in the TNSCST Sponsored one day Seminar on “Digital Image And Video Processng” organized by Sri Ranganathar Institute of Engineering Technology,Coimbatore during 12.06. 2019.

3. Participated in the one day National Level seminar on “Research Issues and Challenges in MIMO-OFDM for Wireless Communications” organized by Department of Electronics and Communication Engineering at Bannari Amman Institute of Technology, on 09.06.2018.

Faculty Development Program attended

1. Participated in the One Week **AICTE-sponsored ,ATAL** Faculty Development Programme on the topic "The Futuristic View of Semiconductor Devices in Healthcare Applications Using AI and ML: Research Issues and Challenges "at Mahendra Engineering College, Salem-Thiruchengode Highway, Mahendhirapuri, Mallasamudram, Namakkal DT, Tamil Nadu. During October 16–21, 2023
2. Participated in the One Week **AICTE Sponsored STTP** on "High Performance Intelligent Real Time Embedded System Design and Internet of Things to Accelerate Automation System into Autonomous System"conducted by Department of Electronics and Communication Engineering, R.M.K. Engineering College, Kavaraipettai - 601206. during 01/09/2020 to 07/09/2020.
3. Participated in the One Week **AICTE Training And Learning** (ATAL) Academy Sponsored FDP on “Sensor Technology” conducted by NIT Jamshedpur. during 01/10/2020 to 05/10/2020
4. Participated in the 5days Faculty Development Programme “Research Perspectives In Machine intelegence and computing” conducted by Department of IT Sri Sairam Institute of Technology, Chennai. During 27/10/2020 to 31/10/2020.
5. Participated in the One Week **AICTE Training** And Learning (ATAL) Academy Sponsored FDP on “Telemedicine” conducted by R.M.K. Engineering College, Kavaraipettai - 601206. during 14/09/2020 to 18/09/2020.
6. Participated in the One Week **AICTE sponsored** Online Short-Term Training Programme (STTP-I) on "Role of Smart Technology in Maritime Industries" conducted by Department of EEE, AMET Deemed to be University, Chennai. during 02/11/2020 to 07/11/2020.
7. Participated in the One Week **AICTE - ISTE Sponsored** Induction/Refresher Programme on“Feature Analysis Using AI/ML” to be conducted by Department of ECE, Sri Krishna College of Engineering and Technology during 16.11.2020 to 21.11.2020.
8. Participated in the five days Faculty Development Programme "Challenges and Innovations in Electrical Engineering Systems” to be conducted by Department of EEE, Karpagam College of Engineering,Coimbatore. during 09/06/2020 to 13/06/2020.
9. Participated in the One Week Faculty Development Programme “Recent Advances in Embedded Systems” to be conducted by Department of ECE, Mahatma Gandhi Institute of Technology is a technological institution located in Gandipet, Hyderabad, during 07/08/2020 to 11/08/2020.

10. Participated in the six days Faculty Development Program on “Recent Trends in Antennas” organized by **IEEE** Antennas & Propagation society (Madras Section) in association with Sathyabama Institute of Science and Technology, Chennai, during 07.09.2020 to 12.09.2020.
11. Participated in the One **Week AICTE Sponsored** Short Term Training Programme on “From Idea to Implementation: Exploring the Potentials of FPGA in Smart Environment”, conducted by Department of Electronics and Communication Engineering, PSG College of Technology, Coimbatore - 641 004 , during 17th June to 22th June 2019.
12. Participated in the Two Weeks **NPTEL- AICTE** sponsored FDP on “Accreditation and outcome based learning” during August 2019 – October 2019.
13. Participated in the One Weeks **AICTE –ISTE** Sponsored Induction / Refresher Programme on “ Recent Technologies Adopted in Industries for Health Care, Defence and Space Applications” conducted by Sri Ramakrishna Engineering college ,Coimbatore during 11th June to 16th June 2018.

Events Organized (from recent)

Sl.No	Title of FDP Organized	Date of the event
1	Organized an International FDP (Online Mode) on “ Recent Trends in Semiconductor Industry and its Impact on VLSI Design ” ,	16.11.2023 to 22.11.23
2	Organized an AICTE Sponsored FDP on “ Research challenges and issues in Wireless Communication and Networks ” (Slot3)	22.2.2021 to 6.3.2021
Sl.No	Title of Seminars Organized	
1	Organized a Webinar on “Millimeter wave Technology” Resource Person: Mr.V.Ganesh AP(Sr.Gr), Department of ECE, Sri Ramakrishna Institute of Technology, Coimbatore-10.	3-11-2023
2	Organized a Webinar on “Applications of Image Processing”	10.01.2023
3	Organized a Webinar on “ DW-process Design and Development ” Resource Person: Mr.S Balamurugan , project manager ,tata digital services, Coimbatore .	26.09.2022
4	Organized a International Webinar titled “ MICROCONTROLLERS-ESP 32 ” at Sri Ramakrishna Institute of Technology	06.06.2022

5	Organized a Webinar on “ Emerging Trends in Embedded Systems ” Resource Person- Mr.R.S.Venkatachalam , Managing Director, Wizaard Systems, Coimbatore.	09.06.2020
6	Organized a Seminar on “ Industrial Automation using LabVIEW ” Resource Person- Dr.K.S.Vairavel , Associate Professor/(E& I), Bannari Amman Institute of Technology, Sathyamangalam.	27.09.2019
Sl.No	Title of Workshops Organized	
1	Organized a Workshop On “ Insight to Embedded Systems using Raspberry Pi ”	28.10.2023
2	Organized a Workshop On “ Student Solar Ambassadors workshop ” association with Ministry of New Renewable Energy IIT Bombay.	02.10.2019
Sl.No	Title of Conferences Organized	
1	Organized a Conference “ International Web Conference on Innovative Engineering Technologies (IWC-IET)-2020 ”.	05.08.2020

Online Courses Completed

Sl. No.	Title	Platform
1	Create a Business Marketing Brand Kit Using Canva.	Coursera
2	Developing FPGA-accelerated cloud applications with SDAccel: Theory.	Coursera
3	Introduction to solar cells.	Coursera
4	Create Technical Stock Charts Using R and Quantmod.	Coursera
5	Renewable Energy and Green Building Entrepreneurship.	Coursera
6	Programming with Cloud IoT Platforms.	Coursera
7	Wireless Communications for Everybody.	Coursera
8	COVID19 Data Analysis Using Python.	Coursera
9	FPGA computing systems: Background knowledge and introductory materials.	Coursera
10	Embedded Software and Hardware Architecture.	Coursera
11	Computer Vision - Object Tracking with OpenCV and Python.	Coursera
12	Introduction to OpenCL on FPGAs.	Coursera
13	Build a Deep Learning Based Image Classifier with R.	Coursera
14	Building Digital Media using Graphic Design in Google Slides.	Coursera
15	Neural Network Visualizer Web App with Python.	Coursera
16	COVID-19 Contact Tracing.	Coursera
17	Accreditation and outcome-based learning	NPTEL
18	Microprocessors and Microcontrollers	NPTEL
19	Digital Circuits	NPTEL

Awards and Recognitions Secured (2)

1. Received SRIT ALUMNI ASSOCIATION AWARDED “**Academic Excellence Award**” on 26.01.2023, at Sri Ramakrishna institute of technology, Coimbatore.
2. Received silver medal for the product titled “**Automatic Coin Counting Machine**” conducted virtually at “virtual expo of i2Create 2021” held at UNIMAP, Malaysia on 16.09.2021. (participation ID: IDINT049)

Patent publication

1. Submitted a Title of the Patent “Smart Transport Monitoring System for School Children” through SRIT IPR CELL (STATUS –Under Review). Date: 11/02/2022.
2. Title of the Patent applied “An Efficient and Automatic Control of Security Barrier System for authorized persons”, application no: TEMP/E-1/17328/2021-CHE. Date: 01/04/2021.

Membership in professional bodies / societies

1. ISTE life member [LM54197].
2. AENG Membership [Member Number: 174949].
3. Association for computing Machinery (ACM) web account member.

Self-appraisal

Major Strengths

- Positive attitude and outlook,
- Ability to adapt to change as per the real situation,
- Perfection and Dedication.
- Team work.

Major Weakness

- Being open-minded,
- Expecting Perfection from others also.
- To get more research funding .

Signature

Mr. S MUNAF