Dr S Srinivasulu Raju

Designation : Assistant Professor (Selection Grade)
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Education

Ph. D (Instrumentation and Control Engineering)
2018, National Institute of Technology Trichy, *Tiruchirappalli*

M.E (Instrumentation and Control Engineering)
2010, Madras Institute of Technology *Campus, Anna University, Chennai*

P.G. Diploma (Embedded Systems)
2007, Indian Institute of Information Technology Hyderabad, Hyderabad

B.Tech (Electronics Instrumentation and Control Engineering)
2005, Sri Venkateswara University, Tirupathi

Conitnuing Education

Pursuing the **AICTE QIP PG Diploma course in Artificial Intelligence and Data Science**, at **IIIT Kottayam** , Kerala, 2025

Advanced Certification Course: IIT Kharagpur AI4ICPS Certificate Programme (Six Months): Hands-on approach to AI for real-world applications, 2025, **IIT Kharagpur**

Advanced Certification in Data Science and AI

2023, IITM Madras & Intellipaat, *Madras*

Experience

Period	Designation	Institution / Organization	Key Responsibilities
2019- till date	Assistant Professor	Velagapudi Ramakrishna Siddhartha Engineering College	Curriculum design, Ph.D./UG guidance, research publications,

			academic leadership, Teaching, NBA/NAAC coordination.
2018-2019	Adhoc Faculty	National Institute of Technology Trichy, *Tiruchirappalli*	UG guidance, research publications, Teaching,
2013-2018	SRF plus TA	National Institute of Technology Trichy, *Tiruchirappalli*	research publications, Teaching,
2011-2013	Assistant Professor	Sri Vidhyanikethan Engineering College	research publications, Teaching, NBA/NAAC coordination.
2010-2011	Project Associate	Madras Institute of Technology Campus, AU, Chennai	research publications, Teaching, NBA/NAAC coordination.
2005-2006	IT Associate	Tarant Software Pvt. Ltd, Bangalore	Technical Support

Research Interests

Broad Area of Research :

Deep learning algorithms, Control Systems, Sensor Design, Energy Harvesting, MEMS, Process Control, Smart Structures, Signal Processing

Honors and Awards

- Invited as a **Session Chair** for "VISION PITCH-2K25" 2 Day B-Plan Model Competition 2025 A Regional inter-institutional competition from 16th -17th April, 2025 organised by School of Management, Siddhartha Academy of Higher Education (An Institution Deemed to be University), Vijayawada.

- B. Teja, K Sai Tarun and **S. Srinivasulu Raju awarded with Momento** for the presentation of research article titled with "Identification of fake indian currency using deep learning techniques", in the 2023 IEEE Technology & Engineering Management Conference-Asia Pacific (**TEMSCON-ASPAC 2023**), held during 15-12-2023 to 16-12-2023, Bengaluru, India.

- **Ratified** as an **Assistant Professor** by JNTU KAKINADA in the YEAR 2023.

- Invited as a **Session Chair** of session for the 2nd International Conference on Innovation in Technology (INOCON 2023), Organised by Sai Vidya Institute of Technology, sponsored by IEEE Bangalore Section, Bengaluru, Karnataka, India, during March 3-5, 2023.

- **Awarded with Best paper presentation** during the International Conference on 3rd Innovative Product Design and Intelligent Manufacturing Systems (IPDIMS 2021), during 30th to 31st December 2021, at Department of Mechanical Engineering, NIT Rourkela, India

- Aiswarya Vallika and **S. Srinivasulu Raju awarded with cash prize** for the presentation of research article titled with "A cost effective IOT Assisted framework for automatic irrigation", in Women in Sensors Bootcamp, **IEEE PROJECT COMPETITION-2021** organised by IEEE Sensors Council Hyderabad chapter from 20-09-2021 to 24-09-2021, Hyderabad, India

- Delivered an invited talk on "**Intelligent controllers and estimation for robotic vehicles**" at Faculty development program titled "**Robotics**", sponsored by **AICTE Training and Learning (ATAL) Academy,** organised by Department of Mechanical Engineering, Narayana Engineering college, Nellore, during 14th -18th December 2020.

- Contributed in the design, fabrication and characterization of Rotary based piezoelectric energy harvesters under **ARDE-DRDO** project.

- Ph.D. Fellowship (2013-2018) from Ministry of Human Resource and Development, (MHRD), Government of India.
- Qualified in IN-Instrumentation Engineering Paper **GATE-2013** with Gate Score 379 & All India Rank is 1563.
- Appreciated and Awarded from the Prof. Sirish Shah, Computer process Control Group, Department of Chemical & Materials Engineering, University of Alberta, Canada, for the presentation of research article Design and Implementation of EKF Filter for Super Heating Process at, International Conference on System Modelling, optimisation and Advanced Process Automation - SYMOPA 2010, CDAC, Trivandrum, Kerala, India.
- Secured 1st place in School during my 10th Class.

Courses Taught

S.No	Course Name	Level (UG/PG)
1	Digital Signal Processing	UG
2	computer control of processes	UG
3	Control Systems	UG
4	Digital Control Systems	UG
5	Piezoelectric Energy Harvesting	PG
6	System Identification	PG
7	Finite element method-1	PG
8	Sensors and Transducers	UG
9	Linear Integrated Circuits	UG
10	Modern Control Theory	UG

Publications

The recent publications and research contributions can be viewed from the following URLs

Google Scholar	https://scholar.google.com/citations?hl=en&user=dSt107MAAAAJ&view_op=list_works&sortby=pubdate
Scopus	https://www2.scopus.com/authid/detail.uri?authorId=56928335500

ORCID	https://orcid.org/0000-0001-5680-7725
dblp	
Publons	https://publons.com/researcher/3213210/srinivasulu-raju
Research Gate	https://www.researchgate.net/profile/Srinu_Raju
LinkedIn	https://www.linkedin.com/in/srinu85raju/

Recognized Research Supervisor

S.No.	Department	University
01.	Electronics and Instrumentation Engineering	Siddhartha Academy of Higher Education (A Deemed to be University), Vijayawada

Funded Research Projects

S.No.	Type	Title	Status	Funding Agency	Amount (INR)	Duration
01.	Funded	**Development of a Low-cost cantilever based MEMS Hydrogen leak detection device with integrated local safety alert system**	Applied	MNRE	42,17,050/-	3 Years
02.	Funded	**SELF POWERED SENSORS**	Applied	ISRO-RESPOND	37,46,880/-	2 Years
03.	Funded	**Health monitoring system and alert generation using AI/ML**	Applied	ISRO-RESPOND	37,50,911/-	2 Years
04	Funded	**RES-IPRC-2024-002: Charge to voltage converter for piezoelectric sensors**	Applied	ISRO-RESPOND	22,15,200/-	2 Years

Administrative Roles

S.No.	Role	Institution	Duration	Responsibilities
1	Innovation Lab Incharge	VRSEC	2019-Present	Innovation labs offer students a transformative environment that builds practical skills, creativity, and readiness for real-world challenges

				through hands-on projects and interdisciplinary collaboration.
2	NBA CR-V Member	VRSEC	2019-Present	Prepares and maintains compliance with NBA Criteria and guidelines.
3	NAAC CR-III member	VRSEC	2019-Present	Prepares and maintains departmental data and reports as per CR-III.
4	Technical Magazine Incharge	VRSEC	2019-Present	Technical magazines provide students with significant benefits such as improved creativity, communication skills, and exposure to current trends in technology and innovation
5	Department ISTE Co-ordinator	VRSEC	2019-Present	ISTE society involvement and standards deliver transformative outcomes for students, equipping them with essential digital literacy, innovation, and collaboration skills to thrive in a technology-driven world
6	Department Maintainance Incharge	VRSEC	2025-Present	Department Maintenance Incharge roles lead to improved asset reliability, operational efficiency, safety, and cost savings, with outcomes measurable in reduced downtime, optimized resource use, and enhanced team performance.
7	Course Co-ordinator, Class Teacher, Councelling, Placement guidance, Project Guidance, Admission duties, etc.	VRSEC	2019-Present	Course Co-ordinator, Class Teacher, Councelling, Placement guidance, Project Guidance, Admission duties, etc.

Online Courses

S.No.	Title	Platform	Duration	Year
1.	Deep Learning, Neural Networks, CNN	Coursera certification	12 WEEKS	2022
2.	Artificial Intelligence, Machine Learning	Coursera certification	12 WEEKS	2022

	Python Programming, Data Science	Coursera certification	12 WEEKS	2022
	MATLAB Programming	Coursera certification	12 WEEKS	2024
	Data Science Course Certificate	365 Data Science	24 WEEKS	2022

Consultancy / Industry Projects

Completed	01
On-going	00
Applied	02

Patents

S.No	Title	Status	Application No.	Year
1.	Automatic Pathological voice quality assessment using IoT based machine learning algorithms	Published	202441044532	2024
2.	Optimized Quantum Computing Architecture for Complex Optimization	Published	202041029211A	2020

Ph.D

Awarded	
Guiding	01

Invited Talks

No. of Invited Talks	06

Professional Service / Reviewer

- Reviewer in IEEE Transactions on Instrumentation and Measurement
- Smart Materials and Structures
- Micro systems- Springer
- Sensors Review
- Assembly Automation

• Professional Development Activities - Participations

Faculty Development and Training Programmes (at least 5 Days)	100

International / National Level Seminars	12 / 04
International / National Level Conferences	22 / 04
Workshops	52
Instructor Led / Self-Paced Courses	46
Webinars	58

Professional Bodies Membership Details

Life Member (2491)	Instrument society of India (ISOI)
Life Member	International Society of Automation (ISA)
Life Member	Indian Society for Technical Education (ISTE)
IEEE Member	IEEE Professional Member

(Dr S Srinivasulu Raju)

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