Name: K.SRIVIDYA	
Designation:	Associate Professor /EIE dept
Qualification:	M.E (Ph.D-Pursuing)
Area of Specialization:	B.E-ECE M.E-Applied Electronics (Ph.D-Pursuing)- Biomedical & AIML techniques
Experience:	Teaching: 15.6 years
	Industry: 6 months
Number of Workshops/ Conferences/ FDP Attended:	WORSHOPS: 11 FDP: 25

Publication:	Journal:
	     National: 2
	     International: 10

	Conference:
	     National: 8
	     International: 12

Research Guidance:	Guided 20 UG projects till date
General:	College Award Team member Institution Innovation Council- Member & Dept Coordinator Acted as Project & Miniproject Coordinator Acted as Timetable Coordinator, Retest Coordinator Acting as workshop & Guest lecture Coordinator SALESFORCE –Department coordinator SKILLRACK –Department coordinator Internal Auditor for ISO 9001:2015 Organized International Conferences & FDP Life Member of ISTE -LM 55673 SENIOR MEMBER - IEEE Member # 98102296 EIE ISTE COORDINATOR Done certified courses in NITTT, NPTEL, coursera, Nasscom
Staff Achievement	Have won Cash awards for producing 100% results for the past ten years. Most consistent Mentor-ATAL - Year 2021 Mentor of ATL Tinker Preneur - Year 2023 Patent published and grant (350855-001)

Area of Interest:

Communication, Biomedical signal processing, Image processing,Machine learning Techniques.

Experience:

Name and Address of the Institution	Designation	From	To	Total No. of Years
Sri Sairam Engineering College	A.P-II	1.8.2012	Till date	11 years
Sri Sairam Engineering College	A.P-III	10.6. 2010	31.7. 2012	2 years & 2 months
P.B College of Engineering	Lecturer	1.6.2009	30.4.2010	1 year & 3 months
P.B College of Engineering	Lecturer	28.11. 2005	30.8. 2007	1 year &11 months

Theory Subjects Handled:

- Communication Engineering
- Digital Signal Processing
- Linear Integrated Circuits & its applications
- Electronic devices & Circuits
- Biomedical Instrumentation

- Antennas & Wave propagation

- Medical electronics
- TV & Video engineering

- Optical communication
- Mobile communication
- Modern electronic Instrumentation
- Microprocessors & Microcontrollers
- Fiber optics and laser instruments

- Digital principles & system design

UG projects Guided:

S. No	Title of the Project work	Period of Guidance
1.	Automated urban drinking water supply control & water theft identification	December 2011-April 2012
2.	Analysis of drip irrigation system and pesticide application	December 2012-April 2013
3.	Energy management for hybrid generation systems	December 2013-April 2014

4.	Fusion of MRI images using various image fusing techniques-Simulation & Performance analysis	December 2015- April 2016
5.	Labour –saving road test with wireless speed sensing mechanism using IOT	December 2016- April 2017
6.	Gait Assistive Exoskeleton Device for stroke survivors	December 2017-April 2018
7.	Diagnosis of obstructive sleep apnea using multi parameter values	December 2017-April 2018
8.	Cathartic robot	December 2019-April 2019
9.	Drowsiness detection and alert using deep learning	December 2019-April 2020
10	Early detection of retinal diseases using deep learning	December 2020-April 2021

Workshops Attended:

YEAR	Title	Venue	Duration
2006	Teaching Methodologies	P.B College of Engineering	2 days
2009	Syncopated approach & skill matrix in effective communication	P.B College of Engineering	1 day
27th December 2012 & 28th December 2012	Recent trend in antennas for multi fed applications	Sri Sairam Engineering college	2 days
28th February 2012 & 29th February 2012	PIC Micro controller based embedded system design	Sri Sairam Engineering college	2 days
4th to 6th January 2017	Emerging trends and future perspective in Image processing and computer vision	Sri Sairam Engineering college	3 days
2nd &3rd march 2017	Internet of Things (IOT)	Anna University	2 days
6th & 7th April 2018	Industrial IOT	Cresent Institute of Science & Technology	2 days
23.7.2018-25.7.18	Process automation using Matlab	Sri Sairam Engineering college	3 days
12.11.2018-14.11.2018	Rapid Prototyping-IOT and Embedded system Design	Sri Sairam Engineering college	3 days
	Introduction to IOT with machine learning	St.Peters institute of higher	2 days

3.10.19 & 4.10.19		education and research,chennai	
18.12.20-23.12.20	Case analysis and development	SIMS-Sri Sairam Engineering college	6 days
7.3.2022-12.3.2022	Sasi Inst.of tech & Engg,Andhrapradesh	Medical Image & Signal Processing using python	6 Days

PATENTS PUBLISHED:

Title: A WEARABLE ELECTRONIC DEVICE WITH CAMERA

CERTIFICATE OF REGISTRATION OF DESIGN DETAILS:
App.No : 120170
Design No. : 350855-001
Date : 06/10/2021

REVIEWER:

1. Acted as reviewer for a paper titled " **Survey on Software Defect Prediction Using Machine Learning Techniques" in ICECI2023**

2.Acted as reviewer for a paper titled**"A Comprehensive Study on Video Captioning Techniques, Benchmark Datasets and QoS Metrics" in ICECI2023**

3.Acted as reviewer for a paper titled**"Contention-free Dynamic Task Scheduling Approach for Network-on-Chip based Quad-core Systems"in ICECI2023**

https://drive.google.com/drive/u/0/folders/1k3G5AYgY1Cd3sVD7dNGJihb726gJJ3Hq

4.Acted as reviewer for a paper for a journal named " JOURNAL OF APPLIED MICROBIOLOGY", **WILEY** publication in the year 2022.

FDPs/SDPs Attended:

Sl.No	Date	Venue	Title	Duration
1.	December 2009	Anna University, Chennai	Digital Communication	7 days
2.	1st and 2nd February 2012	SRM University	MIMO Communications	2 days

3.	16 th to 22nd February 2012	Sri Sairam Engineering college	Work Life Balance for engineering and management faculty	7 days
4.	12th December 2012	Sri Sairam Engineering college	World class higher learning institutions and faculties	1 day
5.	8.4.2019 to 12.4.2019	Sri Sairam Engineering college	Entrepreneurship Career Development Program	5 days
6.	5.12.19- 20.12.19	Sri Sairam Engineering college	Opinion mining –an in sight to social media & customer service-AICTE sponsored	14 days
7.	27-04-20 to 01-05-20	NITTR-Chandigarh(Online AICTE FDP)	Nanomaterials and Devices	5 days
8.	4.5.20 to 8.5.20	Sathyabama institute of Science and Technology, Chennai in association with IIT Bombay	eSim	5 days
9.	11.5.20 to 15.5.20	NITTR-Chandigarh(Online AICTE FDP)	Image and Embedded Processing	5 days
10	18-05-20 to 22-05-20 (One Week)	NITTR-Chandigarh(Online AICTE FDP)	8051 and its Applications	5 days
11	25-05-20 to 29-05-20	NITTR-Chandigarh(Online AICTE FDP)	Outcome Based Curriculum	5 days
12	24 Aug 2020 to 29 Aug 2020	ICT Academy	Salesforce –Admin Track	5days
13	26-10-2020 to 30-10-2020	AICTE Training And Learning (ATAL) Academy Online FDP -Aligarh Muslim University.	Data Sciences	5days
14	2.11.2020 to 7.11.2020	AICTE STTP at VSB Engineering college	Medical Image Analysis	6 days
15	16.11.2020 to 21.11.2020	AICTE STTP at RMK college of Engineering and Technology	Supervised and Unsupervised machine learning using google cloud	6 days
16	1.2.2021 to 5.2.2021	AICTE Training And Learning (ATAL) Academy Online FDP	Wearable Devices	5 Days
17	26.7.2021-30.7.2021	AICTE Training	Universal Human Values	5 Days
18	6.9.2021-8.9.2021	SRM UNIVERSITY	"Three Days Online Workshop on Practical Foundation on Artificial Intelligence and Deep Learning"	3 Days
19	6.12.2021-10.12.2021	ATAL FDP	ATAL FDP-Advancement Of	5 Days

			Digital Health & Medical Innovation During The Pandemic	
20	13.12.2021-17.12.2021	ATAL FDP	ATAL FDP-Biomedical (AIML Application)	5 Days
21	21.2.22-25.2.22	SRM TRP ENGG COLLEGE	MATLAB & its application in image processing	5 Days
22	19.12.22-23.12.22	SRI KRISHNA COLLEGE OF ENGG & TECHNOLOGY	Research Advancement in Intelligent Computing Technologies	5 Days
23	23.1..23-28.1.23	SRI SAIRAM ENGG COLLEGE	Hands-on training on Data science Tools	5 Days
24	12.6.23-16.6.23	VALLIAMMAI ENGG COLLEGE	Electrical Circuits , Devices and Control Systems.	5 Days
25	7.8.23-9.8.23	Annai Veilankanni's College For Women, Chennai	ICT ACADEMY'S FDP ON Idea Generation Methods	3 Days

Conference proceedings

S. No	Title of the paper	Conference Details	Month/Year of publicationn
1.	Smart Parking system using RFID Technology Analysis of drip irrigation system and pesticide application	National conference on recent advances in e-communication and i-technology at Raja Rajeswari engineering college	April 2009
2.	Design and Implementation of communication protocols on SOC	Second National conference on digital convergence at RMK engineering college	April 2009
3	Automation of fair price shops	Second National conference on advances in electrical sciences-NCAES 2013 held at Kathir Engineering college.	April 2013

4	Analysis of drip irrigation system and pesticide application	National conference in Electrical & Electronics engineering (NCRTEEE'14)	March 2014
5	MRI and CT images fusion using various image fusing techniques-Simulation & Performance analysis	National conference on recent trends in engineering (NCRTE 2016) held at P.B College of engineering	March 2016
6	Labour –saving road test with wireless speed sensing mechanism using IOT	6th IEEE International Conference on Communication and signal processing held at Adhiparasakthi engineering college	April 2017
7	Advanced Controller Designing for Temperature Process in LabVIEW	National Level Program on contemporary approaches of Industrial IoT in Real time Environment" organized by KCG College of Technology , Chennai, Tamilnadu	5 th December 2107
8.	Diagnosis of obstructive sleep apnea using multi parameter values	7th IEEE International Conference on Communication and signal processing held at Adhiparasakthi engineering college	April 2018
9.	Automated Emission monitoring and efficiency rise of vehicles	8 th National conference on recent advancements in signal processing and communication at R.M.K College of Engineering & Technology	11.2.2019
10.	Stress measurement using Sweat sensor	9 th National conference on recent advancements in signal processing and communication at R.M.K College of Engineering & Technology	17.2.20
11	Infection prevention & control using UV disinfection bot for COVID	2nd International Conference for Emerging Technology (INCET) 2021,Belgaum	21-23 May 2021
12	Deep learning based bird deterrent system	4th International Conference on Computing and Communications Technologies (ICCCT),2021 at Sri Sairam Engg college,Chennai	16-17 Dec. 2021
13	Infection Prevention And Control Using Self Sterlizing Door Handle For Covid	4th International Conference on Computing and Communications Technologies (ICCCT),2021 at Sri Sairam Engg college,Chennai	16-17 Dec. 2021

14	Inline Electrolytic Disinfected Water Supply System	4th International Conference on Computing and Communications Technologies (ICCCT),2021 at Sri Sairam Engg college,Chennai	16-17 Dec. 2021
15	Multi-Way Switching System Using Iot	4th International Conference on Computing and Communications Technologies (ICCCT),2021 at Sri Sairam Engg college,Chennai	16-17 Dec. 2021
16	A Survey on Detection of Diabetic Retinopathy Lesions Using Deep Learning	2022 International Conference on Communication, Computing and Internet of Things" (IC3IoT-2022)at Sri Sairam Engg college,Chennai	10- 11 March 2022
17	Review on jaundice detection in neonates using image processing	2022 International Conference on Communication, Computing and Internet of Things" (IC3IoT-2022)at Sri Sairam Engg college,Chennai	10- 11 March 2022
18	Smart Elevator Cabin Sanitization and Disinfection for COVID	2022 International Conference on Communication, Computing and Internet of Things" (IC3IoT-2022)at Sri Sairam Engg college,Chennai	10- 11 March 2022
19	Analysis of Mineral Density in Bone using Deep Learning and Smart Tracking System	2022 International Conference on Communication, Computing and Internet of Things" (IC3IoT-2022)at Sri Sairam Engg college,Chennai	10- 11 March 2022
20	Design and Implementation of PID Controller and Fuzzy Logic Controller for Liquid Level System	8th International Conference on Advanced Computing and Communication Systems, ICACCS 2022, 2022	March 15, 2022

JOURNAL publication & IEEE explore:

S. N o	Paper Title	Journal Details	Publication details (Vol/Edition/Year and month of publication)/DOI
1.	Labour –saving road test with wireless speed sensing mechanism using IOT	IEEE Explorer	(scopus indexed) https://ieeexplore.ieee.org/abstract/document/8524397
2	Diagnosis of obstructive sleep apnea using multi parameter values	IEEE Explorer	(scopus indexed) https://ieeexplore.ieee.org/abstract/document/8524397
3	CATHARTIC BOT FOR HOSPITAL APPLICATION	International Journal of Recent Technology and Engineering (IJRTE)	November 2019,VOL-8,ISSUE-4 https://www.ijrte.org/download/volume-8-issue-4/

4	SECURITY AND HEALTH MONITORING SYSTEM OF THE BABY IN INCUBATOR	International Journal of Engineering and Advanced Technology (IJEAT)	August 2019,VOL-8,ISSUE-6,pages3582-3585 https://www.ijeat.org/wp-content/uploads/papers/v8i6/F9353088619.pdf (scopus indexed)
5	Inferno Combative Robot with Blue Collar	International Journal of Recent Technology and Engineering (IJRTE)	November 2019,VOL-8,ISSUE-4
5	DROWSINESS DETECTION & ALERT SYSTEM USING DEEP LEARNING	International Journal of Grid and distributed Computing	July 2020,VOL-13,pp. 1889–1896 http://sersc.org/journals/index.php/IJGDC/article/view/28784
6	LIQUID LEVEL SYSTEM USING LABVIEW	JOURNAL OF GUJARAT RESEARCH SOCIETY	Volume: 21 Issue: 17 Publication Year: 2019 Pg no: 1989-1995 ISSN: 0374-8588
7	Auto Directing solar panel with energy metering system	JOURNAL OF GUJARAT RESEARCH SOCIETY	Volume: 21 Issue: 17 Publication Year: 2019 Pg no: 1983-1988 ISSN: 0374-8588
8	Infection prevention & control using UV disinfection bot for COVID	IEEE Explorer	https://ieeexplore.ieee.org/document/9456444
9	Deep learning based bird deterrent system	IEEE Explorer	https://ieeexplore.ieee.org/document/9711779
10	Infection Prevention And Control Using Self Sterlizing Door Handle For Covid	IEEE Explorer	https://ieeexplore.ieee.org/document/9711780/authors#authors
11	Inline Electrolytic Disinfected Water Supply System	IEEE Explorer	https://ieeexplore.ieee.org/document/9711905
12	Multi-Way Switching System Using Iot	IEEE Explorer	https://ieeexplore.ieee.org/document/9711792
13	Design and Implementation of PID Controller and Fuzzy Logic Controller for Liquid Level System	IEEE Explorer	https://ieeexplore.ieee.org/document/9785055

14	Analysis of Mineral Density in Bone Using Deep Learning and Smart Tracking System	IEEE Explorer	https://ieeexplore.ieee.org/document/9767963
15	Review on Jaundice Detection in Neonates Using Image Processing	IEEE Explorer	https://ieeexplore.ieee.org/document/9767938
16	A Survey on Detection of Diabetic Retinopathy Lesions Using Deep Learning	IEEE Explorer	https://ieeexplore.ieee.org/document/9767907
17	Smart Elevator Cabin Sanitization and Disinfection for COVID	IEEE Explorer	https://ieeexplore.ieee.org/document/9768017

Certification courses Undergone till Date:

NITTT - All Modules (1 to 8) completed

NPTEL Courses Completed

1. Fiber Optics: Secured **Elite grade**

2. Effective Engineering Teaching in Practice: Secured **Elite grade**

Coursera courses Completed

- Solar Energy Basics

- Leadership and Emotional Intelligence,

- Fundamentals of Network Communication

- Essentials of Entrepreneurship: Thinking & Action,

- Introduction to Psychology

- The Sustainable Development Goals – A global, transdisciplinary vision for the future

- Introduction to the Internet of Things and Embedded Systems

- AI For Everyone

- Natural Gas

- Materials Science: 10 Things Every Engineer Should Know

- Healthy Practices: Nutrition, Physical Activity, and Community and

  Family Participation

- Electric Power Systems

- Structuring Machine Learning Projects

- Spreadsheets for Beginners using Google Sheets

- Psychological First Aid

- Everyday Chinese Medicine

Udemy Courses Completed

- Deep learning A-Z

- Mindset & Strategies for Instructors success

- Blockchain 101 beginners course for Bootcamp Cryptocurrency

Guvi

Step in to Robotics process Automation

Futureskills/ Nasscom

Deep Learning with Tensor flow
Python 101 for Data Science

Data Science 101