

Name: Dr.M.Sreedhar

Designation: Professor

Department: EIE

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Experience (in years): Teaching:18 Research: 5 Others (If any, Specify): 2 years in industry

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Class obtained	Specialization
1	PhD	2016	Awarded	Instrument technology
2	MTech	2002	First	Industrial process instrumentation
3	BTech	1998	First	Instrumentation engineering
4	Intermediate	1993	First	Mathematicss,Physics,chemistry
5	S.S.C	1991	First	General

2. Teaching and Learning:

2.1. Teaching Interests:

Bio medical equipment, Introduction to IoT, Instrumentation for pharmaceutical industries, Instrumentation and control for petrochemical industries, Pollution Control in process industries, Pulse and digital circuits, Electronic Devices and Circuits, Computer control of process, analytical instrumentation, control systems, advanced control system, power plant instrumentation, Linear and digital IC applications, electrical and electronic measurements and Instrumentation, process control, industrial instrumentation, transducers and measurements, Instrumentation engineering.

2.2. Novel Teaching & Learning Techniques adopted:

Learning and teaching through you tube, TED videos and MOOCs, Implementing WIT &WIL for 80% of the content and POGIL for few topics.

2.3. Involvement in curriculum updating / Design:

Involvement in curriculum updating of UG during autonomous curriculum design and updation.

3. Co-curricular and Extra-Curricular Activities

3.1. Professional Society memberships:- I.S.T.E (LM 51270) , I.E, I S I (LM 2656)

3.2. Interests and Hobbies:

To make the students with good skills in a practical oriented approach

To promote efficiency and discipline among the students

To promote work efficiency and good attitude towards work in organizations.

3.3. CCA/ECA Organized:

Coordinator for industrial visits of students in RIT Yanam (U.T of Pondicherry)

Faculty Advisor for ISTE student Chapter, Sir CR REDDY COE, ELURU

Organized TECHFEST in A.Y:2009-10

Chairman for workshop (VYDUSHYA-09) conducted at Sir CR REDDY COE,ELURU

3.4. CCA/ECA participated:

In debate competitions celebrations at SVCET,Etcherla,srikakulam district.

3.5. Counseling and Mentoring Activity:

Involved in mentoring twenty students every semester from 2004-05 to till date at

Different institutes in Andhra Pradesh and Pondicherry.

3.6. Committees involved in:

At present, Institute level Anti-ragging committee in-charge

Member from EIE dept. for OTLE TEAM

Department level: DDC, ant ragging, staff colloquium,

Institute Level: parents meet, NBA, NAAC, and SQUAD in conduction of university examinations.

Institute Level: evaluator of student social impact projects in the students event

CONVERGENCE-2K19.

Institute Level: evaluator of student Technical presentations in the students event

CONVERGENCE-2K19.

4. Conference / Workshop / Seminar / Guest Lectures:

4.1. Conducted:

- Conducted a two day workshop on recent trends in biomedical instrumentation during 2007 and 2009.
- Conducted guest lectures during June 2008,2009,2010..
- Conducted two day national level workshops for A.Y 2007-08 and 2009-10.at Sir CR REDDY COE, ELURU, West Godavari(DT),Andhra Pradesh .

4.2. Attended

- Instructional Design and Delivery Systems”,VNRVJIET,20-03-2023 to 25-03-2023
- Machine learning and deep learning with python,NITW,40 HOURS(21-30 JUNE 2021 NIT W
- Basics of bo informatics NITW,40 HOURS(26-30 MAY TO 4TH JUNE 2021 NITW
- Machne learning tools for IoT APPLICATIONS,NITW,40 HOURS(12-22 JULY 2021NITW
- Android Applications Development TECH) 6th -10th ,JULY, 2020,(PAN TECH
- One week FDP on“Technological advances in wireless communication systems” conductedby Aditya Institute of Technology and Management,Tekkali,Srikakulam22nd -26th ,JUNE, 2020.
- A three day webinar FDP on “IOT with Artificial Intellegence” organized by Sir C.R.Reddy College of Engineering and Technology,Eluru,A.P.27th to 29 th May 2020 (3 days)..

- Three days FDP on “VLSI digital circuits and testing techniques” MIRACLE Educational society group, Bhogapuram, Vizianagaram. 21st to 23 rd may 2020
- Attended webinar on virtual reality conducted by PANTECH solutions Ltd in association with SRM college ,Rampuram on 14th may 2020.
- Attended webinar on “Image processing using python programming” conducted by PANTECH solutions Ltd ZION college of engineering and Technology,pudukottaion 12th may 2020.
- Attended workshop on Hands on effective utilization of digital platforms for teaching and learning process from, VNRVJIET from 1st – 3rd may 2020
- Online work shop on “Robotics and Artificial Intellegence“jointly organised by Electronics and ICT Academics during 24-28th June 2019 through National knowledge Network under the Scheme of financial assistance for setting up of Electronics and ICT academics by the Ministry of Electronics and Information Technology (MeitY),Govt.ofIndia.endoursed by AICTE/UGE/NBA.
- N.P.T.E.L(SWAYAM)course Elite certification on “Introduction to Internet of things” course for 12 weeks from January-april 2018.
- Two day National seminar on “Recent trends in Laser technology & its Applications” 29 th&30 th November 2017.
- Two day National seminar on “Recent trends in Laser technology & its Applications” 29 th&30 th November 2017.
- Foundation Program on ICT in Education (FDP101x) (IIT Mumbai) 03 August to 07 September 2017.
- N.P.T.E.Lcourse Elite certification on Design of Internet of thingsOnline course from N.P.T.E.L July-Sept 2017.
- Awareness work shop on outcome based education and Accreditation in Osmania University, Hyderabad held on18-12-2016.
- A Seminar on smart sensors and systems(S2S-N15) held in the Dept. of instrument technology ,AUCE(A),andhra university, Visakhapatnam from 8-12-2015 to 10-12- 2015.
- A Work shop on Recent trends in industrial automation in Dept. of instrument Technology, AUCE(A),Andhra university, Visakhapatnam from13-02-2014 to 14-02-2014.
- Work shop on FLANN-fuzzy logics and neural networks in Dept of E.I,E, Sir C R Reddy College of Engineering, Eluru from 18-02-2011 to 19-02-2011
- A national workshop on “recent trends in Sensors and transducers for biological science”(AICTE sponsored) & organized by Dept of Instrumentation technology,BVBcollge ,Hubli and Instrument society of India I.I.Sc,Bangalore and Biosensor society(India),CFTRI, Mysore B.V.B.Collge of engineering, Hubli from 16-11-2007 &17-11-2007.
- A national workshop on “Advanced digital controllers for power electronic systems (ADCPES-2007)”& organized by Dept. of electrical engineering, Andhra university, under Networking activity of TEQIP Dept of Electrical engineering, Andhra university, Visakhapatnam from 27-01-2007 & 28-01-2007.
- A Training course on”testing and calibration of industrial insruments, pressure & Temperature” in Advanced training Institute(ATI)(Govt. of India, Directorate General of Employment & training),Chennai from 15-07-2002 to19-07-2002.

5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: nil

5.2. Articles/Chapters published in Books :nil

5.3. Books published as single author or as editor: nil

5.4. Projects Guided:

a) UG: 22 b) PG: 01

5.5. Research Interests:

- Instrumentation, analytical Instrumentation, computer control of processes

5.6. Ph.D students:

a) Enrolled: 01 b) Submitted: nil c) Awarded: nil

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/Citation Index	National/International
1	Sensitivity improvement for creatinine Measurement using pH-sensitive electrode and ammonium ion-selective electrodes	. International Journal of Applied Engineering Research. Vol.6 No.5 (2011)	0973-4562		International
2	Absorption studies of Creatinine using End-point method by optical Interference wavelength filter	International Journal of scientific and Research Publications, Vol.5, Issue 2, February 2015	ISSN 2250-3153	2.07	International
3	Absorption studies of Creatinine using Kinetic Reaction method by optical Interference wavelength filter	International journal of scientific and Engineering Research publications Vol.6, Issue 2, February 2015	2229-5518	5.336	International
4	Absorption studies of Creatinine using single-reagent and single wave length method by optical Interference wavelength filter	International Journal of Advanced Research (May 2016), Volume 4, Issue 5, 974-979,	2320-5407	5.335	International
5	prototype development of smart sensor based	IJEE&C International journal of electrical,	ISSN 2348-117X		International

	contamination detection in consumable water quality	electronics and computer system December-2017	Volume 6, Issue 12 December 2017		
6	MQ3 sensor based prototype drive protection system using smart wireless helmet	IJRAR(International Journal of Research and Analytical Reviews), Volume 5, Issue 4 November 2018,	Volume 5, Issue 4 November 2018,		International
7	Measurement and analysis of creatinine, creatinine clearance and its effect on kidneys using interference filters	June 2019 Journal of Emerging Technologies and Innovative Research (JETIR)	ISSN-2349-5162 Volume 6, Issue 6. June 2019		International
8	AUTOMATIC BURNER FLAME MANAGEMENT SYSTEM USING INTERNET OF THINGS	Journal of Emerging Technologies and Innovative Research (JETIR) June 2020,	JETIR June 2020, Volume 7, Issue 6		International
9	Calibration and testing of instrumentation systems, calibration types and procedures an overview	International Journal of All Research Education and Scientific Methods	(IJARES M), ISSN: 2455-6211 Volume 9, Issue 3, March -2021,	7.429,	International
10	Milk Processing and Control of Its Quality by Homozinization method Using Aurdino	International Journal of All Research Education and Scientific Methods	ISSN: 2455-6211 Volume 9, Issue 1, January-2021,	7.429,	International
11	Multi User Detection For FD-MC-CDMA system In Presence Of CFO Using Fuzzy Logic Based Adaptive	Agricultural mechanization inIndia(ama)	ISSN: 0084584 1 Volume 51, Issue		International (SCI Indexed)

	Genetic Algorithm		01, June, 2021		
12	MULTI USER DETECTION FOR FD-MC-CDMA IN PRESENCE OF CFO USING ADAPTIVE AIDED GENETIC ALGORITHM	International Journal of Mechanical Engineering	Vol. 7 (Special Issue 5, April 2022)		International ((Scopus Indexed)
13	SWITCHED-CAPACITOR VOLTAGE BOOST CONVERTER FOR ELECTRIC AND HYBRID ELECTRIC VEHICLE DRIVES	NeuroQuantology [November2022] Volume 20 Issue 15 PAGE 6677-6683	DOI: 10.48047/NQ.2022.20.15.NQ88665		International ((Scopus Indexed)
14	FLOW MEASUREMENT USING VIDEO PROCESSING TECHNIQUE	Zeichan journal	0932-4747, Volume 9, Issue 04, 2023,		International ((Scopus Indexed)
15	Measurement of creatinine clearance and its effects on renal system using BS-300	High Technology Letters	1006-6748, Volume 29, Issue 4, 2023		International ((Scopus Indexed)

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Sensitivity improvement for creatinine Measurement using pH-sensitive electrode and ammonium ion-selective electrodes	Presented in National Conference on Converging Technologies beyond 2020, (CTB-2020), UIET, Kurukhetra University, kurukshetra April 6, 7, 2011	National	April 6, 7, 2011
2	Prototype development of smart sensor based contamination detection in consumable water quality	1 st International conference on advancements and Innovations in Engineering, Technology & Management (ICAIETM2017) Joginpally B.R. Engineering College, Hyderabad, India 28 th & 29 th December 2017	International	2017

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Project Proposal On "Improvement of income and status of livelihood of a group of cooperated milk producers from their own cattle by the utilization of automatic cleaning, teat, and pasteurization systems."	DST-SEED Programme or Scheme : STI Hub for SC Community	3 years	Rs.51,90000/-	Applied
2	Experimental Investigations on Range Resolved Refractive index structure parameter C_n^2 , by optical measurements over a 2.0 km free space laser path	DRDO	2 years	29.28 lac	Applied
3	Instrumentation system design for the detection of quality of Industrially packed bread using biosensors	SERB (EMR)	2 years	16.85 lacs	Applied
4	SCADA merges IOT based smart irrigation system	SERB (EMR)	2 years	25.0 lac	Applied
5	MODROBS	AICTE	2 years(2009-10 to 2010-11)	5.0 lakhs	Completed

6. Awards / Honors received: Nil

7. Motto:

- To make students build with good character, knowledge with innovative minds and compete in world wide technical advancements.

