Dr.S.Siva Reddy
Assistant Professor

Education Qualifications: **Ph.D.**
Specialization: **ECE**

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- C   Block -Room No C-404

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DATE OF JOINING:
01-07-2024

EXPERIENCE - 14 Years
- Teaching – 14
- Research -NA
- Industry - NA
- Others

SUMMARY:
- Publications - 9
- Conferences - 7
- Patents   1
- Books
- Honors/Awards - 1

EVENTS:
- Organized – 30
- ATAL FDPResource person : 04
- AICTE/NITTTR FDP: 12
- FDPs/STTPs : 22

LET'S MEET ON SOCIAL MEDIA:
- https://www.facebook.com/mgithyderabad
- https://www.instagram.com/mgithyderabad
- https://www.linkedin.com/company/mgithyderabad
- https://twitter.com/MGIThyderabad

Membership of Professional Bodies: MIEEE

Responsibilities Held at Institution Level: NA

Responsibilities Held at Department Level:

Mentor, NBA contributor, NAAC contributor

Research Guidance: NA

Honors/Awards Received: Best paper presentation award in ICSPECS- 2019 International conference at GPREC, Kurnool.

Courses Handled at Under Graduate /Post Graduate Level:

UG: PTSP, WCN, ADCM, PYTHON, Artificial Intelligence, BEE, AWP, FOC, MWE etc.

PG: FOC

Publications:

1. Siva Reddy Sonti, M Siva Ganga Prasad ,"Enhanced fuzzy C-means clustering based cooperative spectrum sensing combined with multi- objective resource allocation approach for delay-aware CRNs", IET Communications (SCI), 2020, 14(4), pp. 619–626. (SCI Journal).
2. Siva Reddy Sonti, M Siva Ganga Prasad, "Improved Whale Optimization Algorithm and Convolutional neural network based Cooperative Spectrum Sensing in Cognitive Radio Networks", Information Security Journal(Taylor & Francis), 2021, 30(3), pp. 160–172.
3. Siva Reddy Sonti, M Siva Ganga Prasad, "Deep Belief Network with FOA based Cooperative Spectrum Sensing in Cognitive Radio Network" accepted in International Journal of Communication Networks and Distributed Systems (Elsevier) on 08-03-2021.
4. B. Padmaja, Siva Reddy Sonti, Dioline Sara. (2020). Seam Carving and Retargeting applied to Satellite image for Resizing. International Journal of Advanced Science and Technology, 29(8s),4700-4714.

5. Siva Reddy Sonti, Swati T, "Forecasting Of Ionospheric Scintillation Using NN- Nearest Neighbour Algorithm", International Journal of Emerging Technologies and Innovative Research ISSN:2349-5162, Vol.6, Issue 5, page no.452-457, May – 2019.

6. K. Udaya Kiran,T. Swati,S.Siva Reddy, "Image Fusion Techniques for Visual Sensor Networks in DCT Domain", TEST Engineering and Management,May – June 2020ISSN: 0193-4120 Page No. 17572-17575.

7. Ashok Kumar, S.Siva Reddy "A Novel PAPR Reduction Technique by SUI Modeling for DHT Based ACO-OFDM" International Journal of Research, e-ISSN: 2348-6848,p-ISSN: 2348-795X,Volume 04 Issue 2017.https://journals.pen2print.org/index.php/ijr/article/view/8648/8376

8. Velavali Supraja,S.Siva Reddy, "Asynchronous Wireless Communication using for Multiple Relay Path based MIMO Analysis in Spectrum Sensing Cognitive Radio Networks", ISSN 2319-8885 Vol.05,Issue.41 November- 2016, Pages:8488- 8493.

9. Patil Meenakshi,S. Siva Reddy "Analytical Approach For Evaluating Performance Of An Interference Alignment Based Precoding In Mimo-Ofdm System", SSN: 2319-7242 Volume 4 Issue 9 Sep 2015, Page No. 14352-14358.

Papers published in Conferences (National or International)

S.No.	Complete reference details of the paper (names, paper title, issue etc.)	Name of the Conference	Conference organized by	Date
1.	*Novel algorithm to optimize Cooperative Spectrum Sensing in Cognitive Radio Networks*	International conference on communications ,signal processing computing Paper ID :132	BEC, BAPATLA, A.P.	17th &18th April 2023
2.	*5G Antenna Systems Overview for Communication Systems*	International conference on communications ,signal processing computing Paper ID :132	BEC, BAPATLA, A.P.	17th &18th April 2023
3.	*Forecasting of Ionospheric scintillation effects using nearest neighbour algorithm.* ***"BEST REASERCH PAPERS PRESENTATION AWARD"***	ICSPECS-2019	GPREC, Kurnool,A.P.	11th-12th Jan-2019

Research & Consultancy: Solar power fencing for Agriculture

Patents:
1. Recognizing Parking Spots And Distinguishing Inhabitance Utilizing Vision-Based IOT

Online Certifications: 1. NPTEL -01, Udemy -03

FDPs/STTPs organized:

Details of the Program	Place	Duration	Sponsoring Agency
Organised a work shop on SAP BUSINESS OBJECT DATA SERVICES	GPREC, Kurnool	21-05- 2022	GPREC, Kurnool
Impact of Mobile on Education	GPREC, Kurnool	3-10-2023	GPREC, Kurnool
Awareness program on Chandrayan-3	GPREC, Kurnool	09-10-2023	GPREC, Kurnool
Awareness programme on Personality development	GPREC, Kurnool	10-10-2023	GPREC, Kurnool
Awareness programme on Healthat Auditorium	GPREC, Kurnool	28-10-2023	GPREC, Kurnool
Career opportunities for Electronics students	GPREC, Kurnool	29-08-2023	GPREC, Kurnool
Awareness programme on fitness	GPREC, Kurnool	03-09-2022	GPREC, Kurnool
Youth convention	GPREC, Kurnool	24-09-2022	GPREC, Kurnool
Go green	GPREC, Kurnool	12-10-2022	Isha Foundation
Awareness programme on traffic rules	GPREC, Kurnool	12-11-2022	GPREC, Kurnool
Meditation and its significance	GPREC, Kurnool	12-11-2022	GPREC, Kurnool
The mother of democracy	GPREC, Kurnool	26-11-2022	GPREC, Kurnool
Awareness programme on Bhagawad Geetha	GPREC, Kurnool	10-12-2022	GPREC, Kurnool
Awareness program on digital knowledge Sarswathi sisu mandir, Kurnool	GPREC, Kurnool	06-11-2021	GPREC, Kurnool
Awareness program on english communication skills Sarswathi sisu mandir, Kurnool	GPREC, Kurnool	13-11- 2021	GPREC, Kurnool

Awareness program on climatic conditions *Sarswathi sisu mandir, Kurnool*	GPREC, Kurnool	20-11- 2021	GPREC, Kurnool
Picture and story talk *Vignanapitam: Kurnool*	GPREC, Kurnool	27-11-2021	GPREC, Kurnool
Awarenees program on communication skills , Saraswathi Sisu mandir, GPREC (A), Kurnool	GPREC, Kurnool	4-12-2021	GPREC, Kurnool
Awareness program on sports and games to rural students	GPREC, Kurnool	12.03.2022	GPREC, Kurnool
Awareness program on Image presentation and description by School students	GPREC, Kurnool	26.03.2022	GPREC, Kurnool
Awareness program on save the soil by	GPREC, Kurnool	09.04.2022	Isha Foundation

Events Attended:

Details of the Program	Place	Duration	Sponsoring Agency
AI and IOT for Agriculture and health care Applications	CBIT, Gandipet, Hyderabad	23-07-2024 to 27-07-2024	NIT Warangal
Patent analytics course	Turnip Innovations, Kolkata	27-05-2022 to 05-06- 2022	Turnip Innovations, Kolkata
Programming and Problem Solving through Python	GPREC, Kurnool, A.P.	29-01-2024 to 03-02- 2024	GPREC, Kurnool, A.P
FDP On Python Programming and Its Applications at GPREC	GPREC, Kurnool, A.P	26-09-2022 to 30-09-2022	GPREC, Kurnool, A.P
FDP on Embedded Systems for AI and Robotics at VIT ,A.P.	VIT ,A.P.	05-01-2023 to11 -01- 2023	VIT ,A.P.
Global Navigation satellite System, IIITDM, Kurnool	IIITDM, Kurnool	25-07-2022 to 29-07-2022	E&ICT Warangal
Sensor technology	ATAL FDP ,GPREC, Kurnool	07-12-2021 to 11-12-2021	ATAL FDP ,GPREC,Kurnool
Telemedicine	GPREC/ATAL ACADEMY	19-01-2021 to 23-01-2021	ATAL ACADEMY
Practical Exposure on Machine Learning and Data Science	GPREC/AICTE Sponsored STTP	26-04-2021 to 01-05-2021	AICTE Sponsored STTP
I contributed as a resource person and gave a seminar on National Education Policy-2020 in One Week Online FDP "AI-MIMO:	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad.	30-04-2021	AICTE Sponsored STTP(Phase-IV)

Millimetre (mm) Wave and Massive MIMO Applications for 5G Wireless Networks using AI"			
I contributed as a resource person and gave a seminar on National Education Policy-2020 in One Week Online FDP on "Practical Exposure on Machine Learning and Data Science".	G. Pulla Reddy Engineering college(A): Kurnool.	01-05-2021	AICTE Sponsored STTP
Artificial intelligence	IIITDM ,Kurnool	28th NOV to 2nd DEC 2019	IIITDM ,Kurnool
Introduction to Electronics	Georgia Institute of Technology/ Coursera	28/04/2020	Georgia Institute of Technology/ Coursera
AI for Every One	Coursera	19/06/2020	Coursera
Trading algorithms	ISB/Coursera	19/06/2020	ISB/Coursera
Iot&machine learning	GPREC, KURNOOL	26/06/2020 to 30-06-2020	GPREC, KURNOOL
Advances in Signal Processing and Artificial Intelligence Technologies	GPREC, KURNOOL	06-07-2020 to 10-07-2020	GPREC, KURNOOL
Intellectual property rights	GPREC, KURNOOL	13-07-2020 to 17-07-2020	GPREC, KURNOOL
IUCEE International Engineering Educator Work shop	APSSDC, GITE Rajamundry	12th -14th July 2018 (4 week Webinar)	APSSDC
Problem Identification,Research Methodology &Academic writing	KHIT, Guntur (AICTE Sponsored)	28th -29th January	AICTE Sponsored
Principles of Communication Systems-I (12 week Course)	NPTEL(IITK)	Jan-April 2019	NPTEL(IITK)
Advanced Deep learning Techniques	E&ICT Academy NITW at KLEF,Vijayawada	13-18 May2019	E&ICT Academy NITW
5g communications	IIT GUWAHATI & NIT Warangal	11- 15 JUNE 2018	IIT GUWAHATI
Embedded system design and Applications(EDA)	GPREC KURNOOL	14-19 MAY 2018	GPREC KURNOOL

Any Other Contributions:

Providing crops protection solutions to farmers through You-tube channel.