

FACULTYPROFILE

Name of the Faculty:		SUNEEL MIRIYALA		
Designation:		ASSISTANT PROFESSOR		
Department:		ECE		
Date of Birth:		13/07/1985		
AICTE- ID:		1-437253713		
Education	<ul style="list-style-type: none"> • B.Tech in ECE from QIS CET/JNTU University/Institute in 2006 • M.Tech in CSP Specialization from BEC/ANU University/Institute in 2009 • PhD in ECE specialization from Dr.YSR ANU CET/ANU University/Institute in 2022 			
Experience	Teaching: 14 Years	Industry: 0.5 Years	Total: 14.5 Years	
	Research: 7 Years	Others: 0 Years		
Research Specialization	<ul style="list-style-type: none"> ➤ Security issues in Wireless Networks ➤ IOT based Applications ➤ Advanced Signal/Image Processing strategies 			
Courses taught	<p>UG Level:</p> <ol style="list-style-type: none"> 1. Machine Learning 2. Internet of Things 3. Artificial Intelligence 4. Digital Electronics 5. Digital Image Processing 6. Optical Communications 7. Signals and Systems 8. Electronic Circuits-II 9. Linear Integrated Circuits 10. Digital Signal Processing 11. VLSI Design 12. Communication Systems 13. Professional Ethics and Human Values 14. Essence of Indian Traditional Knowledge 15. Electronic Measurements and Instrumentation <p>PG Level:</p> <ol style="list-style-type: none"> 1. Image and Video Processing 2. Fiber Optic Communications and Networks 3. Wireless Communications 4. Speech Signal Processing 5. Analog and Digital Electronics 6. Fuzzy Techniques 7. Adaptive Signal Processing 			

Research contributions

International/national peer reviewed journals

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Soilless and water efficient smart multi farming using IoT	Journal of Survey in Fisheries Sciences	2023	Vol. 10 No. 1S (2023)		SCOPUS
2	An integrated game theory approach with network coding for SDN based MANET	Technology Reports of Kansai University	2020	ISSN: 045321 98, Volume 62		SCOPUS
3	'Lightweight group key management for data dissimulation for dynamic SDN MANET environments	Journal of Critical Reviews	2020	ISSN- 2394- 5125 Vol 7		SCOPUS
4	Improving Network Accessing and Security Through UavsIn Mobile Ad-Hoc Networks - A Review	International Journal of Advanced Science and Technology	2020	Vol. 29, No. 9s, (2020)		SCOPUS
5	Exploration of various security issues in mobile ad-hoc networks	International Journal of Multidisciplinary Educational Research	2019	ISSN: 2277- 7881; Volume 8		UGC
6	Color Image Enhancement using Fuzzy Set Theory	International Journal of CIIT	2012	ISSN 0974 – 9691		SCOPUS
7	A General Method for Vehicle Number-Plate Recognition	IRJSP- Technical Journal	2012	ISSN: 2249 – 6505		Thomson Reuters

8	Quality evaluation of rice grains using morphological processing	IJSCE	2013	ISSN: 2231-2307, Volume -2	UGC
9	Satellite Image segmentation using Wavelets	International Journal (ESTIJ)	2013	ISSN: 2250-3498, Vol.3	UGC
10	Fuzzy Logic S-membership function based Enhancement in Medical Applications	IJECE	2013	ISSN 2278-9901, Vol.2	NAAS Science Journals
11	Hybrid 3dtv For Next Generation by Using Dvb-T2-Lite	IJARCCE	2014	Vol. 3	NAAS Science Journals
12	DVB-T/T2 Performance In Advanced Mobile TV Channels	IJRASET	2015	Volume 3 Issue VII	UGC
13	Survey on Performance of Various Routing Protocols and Attacks in MANETS	International Journal of Electronics	2018	ISSN 2348-117X, Volume -7	UGC

Books published

S. No.	Title of the book	Publisher	year
1			

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	Year
1	An efficient anonymous authentication scheme to improve Security and Privacy in Large Scale SDN based MANET	<i>Lecture Notes</i> in Networks and Systems	Springer	2021

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	202241004928 A	Cloud based train accident prevention safety system	04/02/2022	Published

Details of Conferences/FDPs/STTPs/webinars/Workshops Organized

S.No.	Name of the event	Role	Dates
1	Embedded Systems	Coordinator	31/08/2010
2	Yuvam-2K11, A National Level Youth Contest	Dept. Event Organizer	04/03/2011
3	Two Day National conference on "Recent advances in electronics, communications and instrumentation Engineering technology" (NCAECIT-2K12)	Organizing Committee Member	16 th & 17 th , March 2012
4	One day Guest Lecture on 4G Networks	Coordinator	17/03/2012
5	One Day Seminar on Robotic Exploration and Navigation	Coordinator	17/02/2012
6	Guest Lecture on Entrepreneurship Development	Coordinator	05/12/2011
7	Guest Lecture on Opportunities for engineering students in IAF	Coordinator	17/11/2011
8	One day seminar on Trends in Low Power VLSI	Coordinator	13/02/2013
9	BECTEGON-2K14, A National Level Technical Fest	Discipline Coordinator	14/03/2014
10	Guest Lecture on Broad Band Technology and its Applications	Coordinator	24/01/2013
11	One Day workshop on Intelligent Solutions in 'Embedded Systems'	Coordinator	20/08/2014
12	Two Day National level Workshop on Signal processing & wireless communications	Co-convener/Coordinator	25/07/2014 to 26/07/2014
13	National Conference on RF Wireless Communication & Signal Processing (NCRFWCSP - 2014)	Organizing Committee Member	November 17-18, 2014

14	Bectagon-2016, A national level technical Fest	Registration and Sponsorship Coordinator	March 13,2016
15	Two Day National Conference on "Emerging Trends in Electronics and Communication Engineering"	Co-convener/ Coordinator	20th & 21st January 2017
16	Techkshetra-2k17,National Level Technical Symposium	Coordinator	25/01/2017
17	Two Day Workshop on Signal Processing and Wireless Networks	Convener	21/12/ 2017 to 22/12/2017
18	Techkshetra 2k19	Convener	30/12/2019
19	Social Awareness Program -Village Visit to Identify the Problems	Mentor	03/01/2020
20	Seminar on Opportunities for Electronics and communication engineers in USA	Coordinator	07/02/2020
21	FDP on Future Outlooks of Advanced Communication and Signal Processing	Convener	25/05/2020 TO 29/05/2020
22	FDP on Research Trends in Deep learning and Communication Networks	Convener	28-6-2021 to 30-6-2021
23	Faculty Awareness Program on CO-PO attainment to Science Humanities	Coordinator	5-7-2021
24	ECE Department WAVE Magazine and FAREWELL	Coordinator	19-04-2022
25	Parents Interaction program for 2/4 and 3/4 ECE students	Coordinator	24-11-2022

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1			

Awards/recognitions/achievements

S.No.	Name of the Award/Recognition	Awarding body/Society/Organization	Year
1	BOS Member	QISCET, ONGOLE	2018 onwards
2	BOS Member	SACET, CHIRALA	2022 onwards

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration
	-	-	-	-	-

Consultancy contribution

S.No.	Year	Amount	Details
1	-	-	-

Student Project/research guidance

S.No	Level	Total number	
1	UG	Completed:	Ongoing:
2	PG	Completed:	Ongoing:
3	PhD	Completed:	Ongoing:

Administrative experience

S.No.	Role	Duration (From – to)
1		

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.co.in/citations?user=AL_8X9gAAAA J&hl=en
SCOPUS	https://www.scopus.com/authid/detail.uri?authorId=5721 5582604
Web of Science	
Vidwan ID	

Any other relevant information

(Name)

(Date)