


FACULTY PROFILE

Name of the Faculty:		PATNALA MADHUKUMAR				
Designation:		Assistant Professor				
Department:		Electronics and Communication Engineering				
Date of Birth:		28 Feb. 1980				
AICTE- ID:		1-427048811				
Education		<ul style="list-style-type: none"> B.Tech in ECE from Acharya Nagarjuna University in 2004 M.E. in Applied Electronics from Sathyabama University in 2008 M.Tech. in Embedded Systems from Jawaharlal Nehru Technological University in 2015 				
Experience	Teaching: 17 Years	Industry:-		Total: 17 Years		
	Research: 03 Years	Others:-				
Research Specialization		Embedded Systems, Microwave Filters				
Courses taught	<ol style="list-style-type: none"> 1. MP& MC 2. Embedded Systems 3. Information and Coding Theory 4. Digital Logic Design 5. Computer Networks 6. Linear IC Applications 					
Research contributions						
International/national peer reviewed journals						
S. No.	Title of paper	Journal	Year	Volume	pages	Indexing (SCI/WoS/SCOPUS, Google scholar)
1	Design of Wideband Band Stop Filter using Signal Interference Technique	Grenze International Journal of Engineering and Technology (GIJET)	2023	9	206-210	GS
2	Homegrowns: An E-Commerce Platform for Farmers	Journal of Emerging Technologies and Innovative	2022	9	307-316	GS

		Research (JETIR)				
3	Design and Implementation of Pipelined Reversible Vedic RISC Processor	Journal of Emerging Technologies and Innovative Research (JETIR)	2019	6	622-629	GS
4	Low Power Design for Testability Implementation for Asynchronous FIFO	i-manager's Journal on Electronics Engineering	2018	9	24-28	GS
5	Simulation of Real Time Multiprocessor Static Scheduling Algorithms	i-manager's Journal on Embedded Systems	2018	7	30-36	GS
6	Simulation of Moving Target Indication Filters for Surveillance Applications in MOTR	International Journal of Trend in Research and Development (IJTRD)	2017	4	109-117	GS
7	A Novel Approach For Speaker Identification In Distortion And Rebound Fettle	International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE)	2015	4	1504-1516	UGC Care list
8	Real Time User-Centric Energy Efficient Scheduling in Embedded Systems	i-manager's Journal on Embedded Systems	2014	7	31-38	GS
9	HARSHA: Intelligent Gesture control Mine Explorer (IGME) Robot	Science Q Journal of Computation in Biosciences and Engineering	2014	1(3)	1-6	GS
10	Reduction of Static Power with Minimized Ground Bounce Noise using Triple Phase Sleep Signal Slew Rate Modulator in 45NM Technology	International Journal of Engineering Research and Applications (IJERA)	2014	4	48-52	GS
11	Scalable Digital CMOS Comparator Using a	”, International Journal of	2014	3(6)	1353-1357	GS

	Parallel Prefix Tree with zero detector	Engineering Research & Technology (IJERT)				
12	Design of High Speed Beaumont-Smith Based Carry Select Adder	International Journal of Engineering Trends and Technology (IJETT)	2013	1	892-895	GS
13	Design of a New Cryptography Algorithm using Reseeding-Mixing Pseudo Random Number Generator	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2013	1	284-286	GS
14	Design of High Speed Ladner-Fischer Based Carry Select Adder	International Journal of Soft Computing and Engineering (IJSCE)	. 2013	3	173-176	GS
16	Design of High Speed Kogge-Stone Based Carry Select Adder	International Journal of Emerging Science and Engineering (IJESE)	2013	1	2319-6378	GS
17	AnNoC Architecture with GA Based Technique	International Journal of Scientific & Engineering Research (IJSER)	2012	3	1-4	GS

Books published

S. No.	Title of the book	Publisher	year
-Null-			

Book chapters Published

S.No.	Title of the Chapter	Book title	Publisher	year
-Null-				

Details of Patents (Filed & Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
-Nil-				

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

S.No.	Name of the event	Role	Dates
1			

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

S.No.	Name of the event	Organized by	Dates
1	On-line Course in, "High Performance Computing"	Andhra University incubation council	17 Jul. 2023 to 14 Aug. 2023
2	IC2EC 2023- IEEE International Conference	NIT, Uttarakhand	08-09 June. 2023
3	AITC-2023 – Hinweis Hybrid International Conference	Hinweis Research, Mumbai	17-18 Feb. 2023
4	Four Month IUCEE Course on, "Engineering Educators Certification Program Phase-II"	Purdue University, USA	Aug – Nov. 2018
5	Three Day Batch-II IUCEE-IIECP Pre-certification Workshop on, "Active Learning"	APSSDC IUCEE-IIECP chapter at GIET, Rajahmundry	12-14 Jul. 2018
6	Four Month on-line course on, "Design Thinking in Engineering Education",	Purdue University, USA	Feb-May 2018
7	Two Day Workshop on, "Introduction to Robotics"	IITB, Mumbai	08-09 Mar. 2018

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	MBU Chancellors award for Innovation in Teaching & Learning	Mohan Babu University, Tirupati	2023
2	Third Best Poster "Automation of Irrigation by Monitoring and Harvesting Rain" in APICTIEE 2018	SRM University, Vijayawada	2018

3	Quarter finalist India Innovation Challenge Design Contest for proposal titled "Project Quantum"	DST & Texas Instruments anchored by IIM Bangalore	2016
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Details of project proposals submitted/sanctioned/completed

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

Consultancy contribution

S.No.	Year	Amount	Details
-Nil-			

Student Project/research guidance

S.No	Level	Total number	
1	UG	Completed:34	Ongoing:02
2	PG	Completed:12	Ongoing:00
3	PhD	Completed:-)00	Ongoing:-00

Administrative experience

S.No.	Role	Duration (From – to)
1	Departmental TEQIP-II coordinator at SVEC	2017-2019
2	Module and Course coordinators under BOS Committee at SVEC	2016-2023
3	Institution Member for Andhra Pradesh Knowledge Mission at SVEC	2020-2021
4	NBA and NAAC departmental coordinator at SVEC	2016-2022
5	Campus Radio departmental faculty advisor at SVEC	2020-2021
6	Admission and Student welfare/discipline departmental coordinator at SVEC	2018-2022
7	APSSDC Departmental coordinator at SVEC	2020-2023

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=mq1TjcAAAAAJ

SCOPUS	https://www.scopus.com/dashboard.uri?origin=userDashboard&zone=TopNavBar
Web of Science	https://www.webofscience.com/wos/author/record/GLQ-7666-2022
Vidwan ID	381586

Any other relevant information

PATNALA MADHUKUMAR
14 Sept. 2023