FACULTYPROFILE

Nameofthe Faculty:	**IDRISH SHAIK**	
Designation:	**Assistant Professor**	
Department:	**Electronics & Communication Engineering**	
Dateof Birth:	**04/06/1988**	
AICTE– ID:	**1-1513690993**	

Education	• PhD(ECE-Wireless Communication) pursuing from Andhra University • M.Tech (ECE-Embedded System) with first class and distinction from VIGNAN University during 2009-2011. • B.Tech (ECE) with first classfrom JNTU Kakinadaduring 2005-2009.		
Experience	Teaching:_12_Years	Industry:____Years	**Total:_12__Years**
	Research: ___Years	Others:____Years	
ResearchSpecialization	**5G MIMO antennas**		
Courses taught	1. Satellite Communication 2. Optical Communication 3. Radar Engineering 4. Electronic Devices & Circuits 5. Antennas & Wave Propagation 6. Wireless Communication 7. PEHV 8. ECA 9. VHDL 10. Basic Instrumentation 11. Circuit Theory		

Research contributions

International/national peer reviewed journals

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing (SCI/WoS/ SCOPUS, Google scholar)
1	Design and Analysis of a Compact 38 GHz Wideband Monopole Antenna for 5G mm-wave Wireless Applications	PIER C	2023	135	83-94	Scopus
2	A Compact Dual-Band Octal Patch Loaded with Bow-Tie Parasitic MIMO Antenna Design for 5G mm -Wave Wireless Communication	PIER C	2023	133	121-134	Scopus
3	A Novel Quadrangular Slotted DGS with a Wideband Monopole Radiator for Fifth-Generation Sub-6 GHz Mid-Band Applications	PIER C	2023	133	109-120	Scopus

4	Design of Metamaterial based UWB antenna: A Review	International Journal of Applied Sciences, Engineering and Management	2020	9	01-08	UGC	
5	Fast Phase Unwrapping Method Based On G-Puma And Spa Techniques: G-Puma-Spa	ARPN Journal of Engineering AndApplied Sciences	Feb 2016	11		Scopus	
6	Very Fast Absolute Phase Estimation: G-PEARLS & I-PEARLS	International Journal of Engineering and Technology (IJET)	Nov 2015	7	1754-1766	Scopus	
7	Very Fast Phase Unwrapping Via Grid-Cuts: G-PUMA	International Journal of Applied Engineering Research(IJAER)	Aug 2015	10	34120-34131	Scopus	
8	I-PUMA:FastPhaseUnwrappingVia IBFS Graph Cuts	International Journal of Engineering and Technology (IJET)	Mar 2015	7	254-265	Scopus	
9	A multi-objective particle swarm optimization based low complexity approach	International Journal of electrical Electronics and Communication (IJEEC)	July 2014	18		**Google scholar**	
10	Hybrid 3dtv For Next Generation By Using Dvb-T2-Lite	International Journal Of Advance Research Computer And Communication Engineering (Ijarcce)	Sep 2014	3		**Google scholar**	
11	Reducing Handover failure Rate by RF Optimization	International Journal of Engineering and Innovative Technology(IJEIT)	May 2013	2		**Google scholar**	

Details ofPatents(Filed&Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	**202341050227**	**Design of Ultra Compact Dual-band 26/38 GHzmonopole Antenna for 5G mm-wave applications**	**27/7/2023**	**Published**

Details of Conferences presented

S.No.	Name of the event	Organized by	Dates
1	A High-Gain and Dual-band MSPA 1x2 array for 5G n78/n79 Sub-6GHz Cellular applications	**2023 2nd IEEE- International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN)**	**2023/5/5**
2	A short review on recent models and requirements of antennas for 5G applications	**2022 IEEE- International Conference on Computing, Communication and Power Technology (IC3P)**	**2022/1/7**
3	Performance of Error Correction Codes for 5G Communications	**Microelectronics, Electromagnetics and Telecommunications: Proceedings of the Fifth ICMEET 2019- Springer**	**2021**
4	An algorithm to analyze and classify LPI radar signals with wavelets using QMFB technique and porting it on Tiger Sharc processor	**International Conference on computing, Communications, Systems and Aeronautics (ICCCSA-201**	**March 30-31, 2012**
5	Design of Application Software for Receiver Processor Subsystem	**International Conference on Advances in Signal Processing and Communications (NECICASPC-2016)**	**September 9-10, 2016**

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	Awarding body/Society/Organization	Year
1			

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: 11 Ongoing:
2	PG	Completed: 3 Ongoing:
3	PhD	Completed: Ongoing:

Administrative experience

S.No.	Role	Duration (From – to)
1	ECE Examination Officer	July 2023-
2	IETE Coordinator	July 2023-
3	SPOC- ECE Jnanabhoomi Coordinator	September 2019- June 2023
4	Department Library Incharge	2016-2018
5	M.Tech Class Coordinator	2014-2018

Research credentials

Index/database	ID/Link
Google Scholar	**https://scholar.google.com/citations?user=-Ne5qs4AAAAJ&hl=en**
SCOPUS	**https://www.scopus.com/authid/detail.uri?authorId=56565282200**
ORCID ID	https://orcid.org/0000-0002-4377-4351View this author's ORCID profile
Vidwan ID	

Any other relevant information

(Sk. Idrish)