


Profile

Name of the Faculty	<i>Mrs. K. ArunaKumari</i>				
Designation	<i>Sr.Asst.Prof</i>				
Department	<i>E.C.E</i>				
Date of Birth	<i>26-08-1974</i>				
DOJ the Institution	<i>05-12-2000</i>				
Employee ID	<i>ECE050030</i>				
Address for communication	K.ARUNA KUARI FLAT NO:101,SAMVEDA APARTMENT,SRIRA NAGAR COLONY- 2,KANURU,VIJAYAW ADA,520007,AP.	Permanent Address		K.ARUNA KUARI FLAT NO:101,SAMVEDA APARTMENT,SRIRANAG AR COLONY- 2,KANURU,VIJAYAWADA ,520007,AP.	
Email-ID	Kukatiarunakumari95@gmail.com				
AICTE Unique ID	1-454503297			AAPAR ID: 735927702032	
Education Qualifications	UG	PG	Ph.D	Others	
	B.Tech.	M.Tech	Pursuing		
Work experience	Teaching	Research		Industry	Others
	24 years			--	
Area of Specialization	Wireless Communications				
Courses taught at Under Graduate/ Post Graduate Level: (full course title only)					
<p>UG: <i>OpticalCommunications,BiomedicalInstrumentation,AnalogCommunactions,DigitalCommunica tions,WirelessCommunications,NetworkAnalysys,Basc Electronics and Engineering,Linear IC Applications,Electronics Measurements and Instrumentation,Cellular and Mobile Communications,Introduction to MAT Lab.Sensortechonology,MATLAB Programming</i></p>					
<p>PG: <i>Solid State Microwave & Devices, fiber Optical communications, Adavanced Digital Communicatons,Optical Networks</i></p>					

Professional Memberships & ID's : IETE, ISTE&ISSE						
Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
-						
Masters		07		-		
Details of Paper Publications (In IEEE Format only Descending order)		<p>Journals: 1. Mrs. Kukati Aruna Kumari published a research paper entitled Neural Network Pruning Techniques for Efficient Model Compression - Intelligent Systems and Applications in Engineering, Vol:12, Issue:15S PP: 565-575, ISSN: 2147-67992, February – 2024</p> <p>2. Mrs. Kukati Aruna Kumari published a paper entitled Data Security Enhancement in 4G Vehicular Networks Based on Reinforcement Learning for Satellite Edge Computing - International Journal of Communication Networks and Information Security, 2073-607X, 2076-0930/2073 607X 2076 0930, Dec- 2022</p> <p>3. Mrs.K.Aruna Kumari, presented a paper entitled Comparison of PAPR Reduction Using ABC-FF Algorithm - Second international conference on Advances in Management, Engineering & Technology (ICAMET-2022),RSP Conference Hub, Coimbatore,Tamilnadu,India,June2022</p> <p>4.K.Aruna Kumari presented a paper entitled USING MACHINE LEARNING FOR SHORT-TERM EXTRAPOLATION IN FINANCIAL FORECAST BASEDONFIELDPROGRAMMABLE GATE ARRAY Turkish Journal ofPhysiotherapyandRehabilitation ISSN:2651-4451 Volume-32,Issue-3 pg.no:1252-1260,May-2021</p> <p>5.k.Aruna Kumari presented a paper entitled A Novel Unconstrained Precoding Technique For Channel Estimation Millimeter Wave Communication In 5GInternational Journal of Advanced Science and Technology,2005-4238,Volume-29,issue-8 pg.no:5413 – 5424,Oct-2020</p> <p>6.Mrs. K. Aruna Kumari, Sr. Assistant Professor published a paper entitled Improved Pilot Selection for Channel Estimation of Polar Codes in Wireless 5 G – International Journal of Innovative Technology and exploring Engineering (IJITEE), ISSN :2278-3075, Vol.9, Issue – 2, December 2019</p>				

	<p>(SCOPUS)</p> <p>7. K.Aruna Kumari,2. Dr.K.Sri Rama Krishna Peak Average Power Ratio Reduction Technique for Better Performance With Multi Input Multi Output International Journal of Engineering and Advanced Technology (IJEAT)ISSN:.,2249-8958,Vol.8, Issue – 6s ,PGNO:199-202,Aug-2019,2019-20(SCOPUS)</p> <p>8. K.Aruna Kumari,2. Dr.K.Sri Rama Krishna published a paper entitled PAPR Reduction in MIMO-OFDM Using Modified PTS Scheme With Hybride ABC-FF Algorithm in International Journal of Engineering & Technology,pg:no:423-427 on Sep-2018</p> <p>Conferences:</p> <p>1. Mrs. K. Aruna Kumari, Sr. Assistant Professor presented a paper entitled PAPR Reduction using PTS and SLM Scheme – Springer International Conference on Intelligent Computing and Smart Communication Technologies (ICSCT-2019) organized by Anurag Group of Institutions, Hyd. on 26th& 27th July, 2019</p> <p>BOOKCHAPTERS:</p> <p>1. Mrs.K.Aruna Kumari, Sr. Assistant Professor et.al published a book chapter Enhancement of Performance and PAPR reduction using combination of PTS and SLM scheme with opposition based GWO in MIMO-OFDM - Innovations in Electrical and Electronics Engineering, Lecture Notes in Electrical Engineering, PP:.787-795, DOI: https://doi.org/10.1007/978-981-15-2256-7_73, March 2020.</p>
<p>Details of Patents Published / Granted</p>	<p>1.Mrs.K.Aruna Kumari published a patent entitled Patch Antenna, Method of manufacturing and using such an antenna and antenna system with the application number: 202111022123, date: 28.05.2021. Granting Organization: Patent Office; Govt. of India.</p>
<p>Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)</p>	<p>1. Mrs. K. Aruna Kumari attended a FDP on Emerging Trends and Challenges in Communication and Computational Technologies (5G/6G) conducted by VNRVJiet in association with IEEE Communication Society and MTT-Society during 18th – 22nd March 2024.</p> <p>2.Mrs. K. Aruna kumari, participated in faculty development program on EmergingTrends in VLSI Device, Circuit & System Design – A Practical Approach organized by R. V. R. & J. C.</p>

College of Engineering during 9th– 11th November,2023.

3.Mrs. K. Aruna kumari, participated in faculty development program on Introduction to Artificial Intelligence organized by G. Pulla Reddy Engineering College during 9th – 14th October, 2023

4.participated in a workshop on Teaching for Excellence organized by Dept of EEE, PVPSIT, Vijayawada on 5th July, 2023

5.participated in Faculty Development Programme on Antennas and Wireless Technologies organized by PVPSIT in association with NITTTTR Chandigarh during 20th - 24th February, 2023

6. Mrs. K.Aruna Kumari, Mrs. B.V.Subbayamma participated in Faculty Development Programme on Advance Technical trends of Wireless Communication and Instrumentation using NILabVIEW organized by Pottisriramulu Chadalavada Mallikarjuna Rao College of Engg. & Tech. on 8th & 9th February, 2023

7. participated in FDP on Internet of things based green energy technologies organised by LBRCE, Mylavaram, A.P during 17th - 29th October' 2022

8. participated in Faculty Development Programme on Innovations and Entrepreneurship area in current Indian IPR frame work organized by Department of business administration, PVPSIT, Vijayawada on 12th April' 2022

9. participated in Short Term Training Programme on Machine Learning (With Python) organized by Department of Computer Science & Engineering, Information Technology and Electronics & Telecommunication Engineering Dr. J. J. Magdum College of Engineering, Maharashtra during 8th - 12th February' 2022

10.Mrs.K. Aruna Kumari, Sr. Assistant Professor participated in 3 day online FDP on Internet of Things in Association with Computer Society of India, Hyderabad, Organized by Departments of Computer Science and Engineering & Information Technology, St. Martin's Engineering College during 5th - 7 th May, 2020.

11.Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in one week online FDP on Effective Proposal Writing for Research and Funding organized by Department of Electronics & Telecommunication Engineering In association with IEEE Women in Engineering during 13th – 18th May, 2020

12.Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in 5 day online FDP on Integration of Renewable Energy Systems - Research Tools / Industrial Perspective organized by Department of Electrical and Electronics Engineering, Lakireddy Bali Reddy College of Engineering, Mylavaram,

	<p>Krishna(Dt) during 18th – 22nd May, 2020.</p> <p>13. Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in one week online FDP on BIG DATA TOOLS organized by St.Martines Engineering College, Secunderabad during 18th – 23rd May, 2020.</p> <p>14. Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in one week online FDP on Recent Trends, Advancements and Applications of Communication TechnologiesRTAACT-2020 organized by Dept. of ECE under Research Centre for Advanced Communication Systems(RCACS),CMR Technical Campus, Hyderabad, India during25th- 29th May 2020</p> <p>15. participated in 3 day online FDP on IOT With Artificial Intelligence organized by Dept. of ECE, SIR C R Reddy Engineering college, Eluru during 27th – 29th May, 2020</p> <p>16. Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in 5 day online FDP on Research Challenge And Emerging Trends In Electronics And Communication Engineering organized by Dept. of ECE, Ramachandra Engineering College, Eluru during 27th May, 2020 – 1 st June, 2020</p> <p>17. Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in one week online FDP on BIG DATA TOOLS organized by St.Martines Engineering College, Secunderabad during 18th – 23rd May, 2020</p> <p>18. Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in 2 day online FDP on Research Opportunities In Electrical Engineering organized by Kallam Harinadha Reddy Institute of Technology, Guntur during 20th – 21st May, 2020.</p> <p>19.Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in one week online FDP on Recent Trends, Advancements and Applications of Communication TechnologiesRTAACT-2020 organized by Dept. of ECE under Research Centre for Advanced Communication Systems(RCACS),CMR Technical Campus, Hyderabad, India during 25th - 29th May 2020</p> <p>20.Mrs.K.Aruna Kumari, Sr.Assistant Professor participated in 5 day online FDP on Innovative Trends in Data Analysis With AI organized by Mallineni Lakshmaiah Womens Engineering College ,Guntur during 26th – 30th May, 2020</p>
Details of Projects Applied / Awarded	--
Any Other information	--

