


## Profile

Name of the Faculty	L.MADHAVI DEVI			
Designation	ASSISTANT PROFESSOR			
Department	ELECTRONICS AND COMMUNICATIONS ENGINEERING			
Date of Birth	30/04/1976			
DOJ the Institution	07/10/2009			
Employee ID	ECE060390			
Address for communication	FLAT NO:403, FOURTH FLOOR,BLOCK-2, GAYATRI RESIDENCY,MYTRINAGAR,KANURU,VIJAYAWADA-520007	Permanent Address		FLAT NO:403,FOURTH FLOOR ,BLOCK-2,GAYATRI RESIDENCY,MYTRINAGAR,KANURU,VIJAYAWADA-520007
Email-ID	madhavalanka@pvpsiddhartha.ac.in			
AICTE Unique ID	1-454503249			
AAPAR ID	'483053698889			
Education Qualifications	UG	PG	Ph.D	Others
	B.Tech.	M.Tech	Pursuing	
Work experience	Teaching	Research		Industry Others
	16 years			
Area of Specialization	Communications and Signal Processing			
<p>Courses taught at Under Graduate/ Post Graduate Level: (full course title only)</p> <p><b>1.ELECTRONIC ENGINEERING,2. ELECTRONIC DEVICES AND CIRCUITS,</b></p> <p><b>3.ELECTRONIC CIRCUIT ANALYSIS , 4.ANALOG ELECTRONIC CIRCUITS</b></p> <p><b>5.ANALOG ELECTRONICS,6. SWITCHING THEORY AND LOGIC CIRCUITS</b></p> <p><b>7.ANALOG COMMUNICATIONS,8. DIGITAL SIGNAL PROCESSING</b></p> <p><b>9.WIRELESS COMMUNICATIONS AND NETWORKS</b></p> <p><b>10.DIGITAL1COMMUNICATIONS,11.CELLULAR AND MOBILE</b></p>				

COMMUNICATIONS 12.TV ENGINEERING,  
13.TELECOMMUNICATIONS,14.OPTICAL COMMUNICATION 15.GLOBAL  
POSITIONING SYSTEM

Professional Memberships & ID's : ATMS, ISTE, ISSE,

Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
	-					
	Masters			-		

Details of Paper Publications (In IEEE Format only Descending order)	<p><b>1.Authors:</b> 1Dr. DV NAGA RAJU, 2Mr.G VAMSI KRISHNA, 3Mrs.MADHAVI DEVI LANKA  <b>Title:</b> SYSTEMATIC SURVEY ON CREDIT CARD FRAUD TRANSACTION DETECTION TECHNIQUES  <b>Journal:</b> Journal of Theoretical and Applied Information Technology  <b>Year, date &amp; Volume:</b> 30th September 2024. Vol.102. No. 18, pp.6774-6781</p> <p><b>2. Authors:</b>1. MADHAVI DEVI LANKA, 2.K. PRASUNA, 3.G VAMSI KRISHNA  <b>Title:</b> YOLO ALTERNATES GROUNDED GARBAGE TAXONOMY AND REPROCESSING ASSISTANT  <b>Journal:</b> Journal of Theoretical and Applied Information Technology  <b>Year, date &amp; Volume :</b>30th September 2024. Vol.102. No. 18,pp- 6688-6696</p> <p><b>3.Authors:</b> L. MADHAVI DEVI, 2P. BHARAT SIVA VARMA, 3Dr. JAMMALAMADUGU RAVINDRANADH  <b>Title:</b> EXTERIOR WOUND DETECTION AND CLASSIFICATION USING FEATURES BASED DEEP CNN  <b>Journal:</b> Journal of Theoretical and Applied Information Technology  <b>Year, date &amp; Volume:</b> 29th February 2024. Vol.102. No 4, pp-1369-1375</p> <p><b>4.Authors:</b> 1. L.Madhavi Devi,2. Dr.C.Subba rao,3. B.Swati lakshmi  <b>Title:</b> Multiple Slot Fractal Structured Antenna for Wi-Fi and Radio Altimeter for uncertain Applications  <b>Journal :</b> International Journal of Communication Networks and Information security    <b>Year, date &amp; Volume :</b>Volume 14 Issue 02 Year 2022 Page 01:14</p> <p style="text-align: center;"><b><u>OTHERS</u></b></p> <p><b>5.Authors:</b> 1. L.Madhavi Devi,2. Dr.C.Subba rao,3. B.Swati</p>
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lakshmi

**Title:** SPIDER SPIKE COMPACT FRACTAL ANTENNA FOR GPS, ISM AND MEDICAL BAND APPLICATIONS

**Journal:** Turkish Journal of Physiotherapy and Rehabilitation

**Year, date & Volume:** March 2021. Vol.32. No 2, pp-602-605

**6.Authors:** 1. L.Madhavi Devi, 2. Dr.C.Subba rao

**Title :** Broad Band Proximity Joined feedline Microstrip Blemish Antenna for 5G solicitations: Novel Slant.

**Journal:** Journal of Xian University of Architecture and Technology.

**Year, date & Volume:** Jan 2021. Vol.13. No 1, pp-632-643

**7. Authors:** Madhavi Devi Lanka, Nekkanti Harini

**Title:** Electronic Smart Shopping Trolley in Supermarkets

**Journal :** JASC: Journal of Applied Science and Computations, ISSN NO: 1076-5131

**Year, date & Volume :** Volume 6, Issue 3, March/2019, pp-129-134

**8. Authors:** Madhavi Devi Lanka

**Title:** EEG SIGNAL PROCESSING FOR ABNORMALITY DETECTION USING DWT, SE AND KNN TECHNIQUES

**Journal:** Journal of Emerging Technologies and Innovative Research (JETIR)

**Year, date & Volume:** Sept 2018. Vol.5. No 9, pp-88-99

#### **Conferences:**

**1.Authors:** 1.Swati Lakshmi Boppana, 2. Dr. Subbarao Chalasani  
3.Lanka Madhavi Devi

**Title :** Micro Controller Based Digital Emergency Caution Order System

**Conference Name:** 8th international conference on Communication and Electronic Systems

**Conference Dates:** 01-06-2023 to 03-06-2023

**Organized By:** PPG Institute of Technology, Coimbatore, India

**2.Authors** 1. C SUBBA RAO, 2. L.MADHAVI DEVI  
3. B.SWATI LAKSHMI

**Title :** DESIGN AND ANALYSIS OF LOOP ANTENNA FOR WIDEBAND OPERATIONS

**Conference Name:** 4th International Conference on Smart Systems and Inventive Technology (ICSSIT 2022)

**Conference Dates :** 20-01-2022 to 22-01-2022

**Organized By :** Fran Xavier Engineering College; Tirunelveli; IEEE XPLORE; Tamil Nadu

**3.Authors** 1. SWATI LAKSHMI BOPPANA, 2. SUBBA RAO CHALASANI, 3. MADHAVI DEVI LANKA

**Title :** A COMPACT MULTI BAND ANTENNA FOR MILITARY AND MODERN COMMUNICATION APPLICATIONS

	<p><b>Conference Name</b> :4th International conference on smart systems &amp; innovative technology</p> <p><b>Conference Dates</b> : 20-01-2022 to 22-02-2022</p> <p><b>Organized By</b> : Fran Xavier Engineering College; Tirunelveli; IEEE XPLORE; Tamil Nadu</p> <p><b>4. Authors:</b> 1. L.Madhavi Devi,2. Dr.C.Subba rao 3. B.Swati Lakshmi</p> <p><b>Title</b> : Analysis of Proximity Coupled Micro Strip Feed Linear Antenna Array for 5G applications</p> <p><b>Conference Name</b> :4th International Conference on Smart systems and Inventive Technology</p> <p><b>Conference Dates</b> : 20-01-2022 to 22-02-2022</p> <p><b>Organized By</b> : Fran Xavier Engineering College; Tirunelveli; IEEE XPLORE; Tamil Nadu</p> <p><b>5. Authors:</b> 1. C.Subba Rao,2. L.Madhavi Devi,3. B.Swati Lakshmi</p> <p><b>Title</b> : Numerical Analysis of Flat Dipole Antenna for UWB Applications</p> <p><b>Conference Name</b> :3rd International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021)</p> <p><b>Conference Dates</b> : 04-02-2021 to 06-02-2021</p> <p><b>Organized By</b> : Francis Xavier Engineering College, Tamil Nadu</p> <p><b>6. Authors</b> : 1. Dr C Subba Rao,2. Mannava Srinivasa Rao 3. L Madhavi Devi</p> <p><b>Title</b> : Design and Analysis of Wideband Decagon Microstrip Antenna</p> <p><b>Conference Name</b> : ICICI 2019</p> <p><b>Conference Dates</b> : 12-09-2020 to 13-09-2020</p> <p><b>Organized By</b> : JCT College of Engg and Technology</p> <p><b>7. Authors:</b> 1. Madhavi Devi.L,2. Charitha sri.Y,3. Madhumitha.T</p> <p><b>Title</b> : A Planar Multiband Antenna for UMTS and WLAN Applications</p> <p><b>Conference Name</b> : ICICT-2020</p> <p><b>Conference Dates</b> : 26-02-2020 to 28-02-2020</p> <p><b>Organized By</b> : RVS Technical Campus,Coimbatore</p>
Details of Patents Published / Granted	<p><b>1.Authors:</b>1.C. Subba Rao,2. L MADHAVI DEVI 3. B SWATHI LAKSHMI, HABIBULLA MOHAMMAD, B V SUBBAYAMMA</p> <p><b>Title:</b> Automatic Wireless Parking Identification And Warning System</p> <p><b>Status:</b> Granted</p> <p><b>Patent Number:</b> 543000</p> <p><b>Date:</b> 26-06-2024</p> <p><b>Organization:</b> The Patent Office, Government of India</p> <p><b>2. Authors:</b> 1. T.sushma,2. L.Madhavi Devi,3. K.Anitha</p> <p><b>Title:</b> Bank Locker Security System Using Embedded Systems</p> <p><b>Status:</b> Published</p>

	<p><b>Patent Number</b> : 202341035664  <b>Date:</b> 16-06-2023  <b>Organization:</b> The Patent Office -Government of India  <b>3. Authors:</b> 1. L.Madhavi Devi,2. Dr.C.Subba rao,3. B.Swati Lakshmi  <b>Title:</b> :Smart Lid Of A Mixer Grinder  <b>Status:</b>Granted  <b>Patent Number</b> 359277-001  <b>Date:</b> 15-02-2023  <b>Organization</b> :Intellectual Property India  <b>4. Authors:</b> 1.C.subba Rao,2. L.Madhavi Devi  3. B.Swati Lakshmi, T.Sushma &amp; Phani Prasanthi  <b>Title:</b> Wideband Metal Ring Terminated Biconical Antenna  <b>Status:</b> Granted  <b>Patent Number</b> :127341  <b>Date:</b> 28-08-2022  <b>Organization</b> : The Patent Office -Government of India  <b>5. Authors</b> : 1. Swati Lakshmi Boppana, 2.Dr. Subbarao Chalasani  3. Lanka Madhavi Devi, 4..T.Sushma  <b>Title</b> : Smart Window For Energy Saving  <b>Status:</b> Granted  <b>Patent Number</b> :359278-001  <b>Date</b> :02-05-2022  <b>Organization:</b> Patent office, Government of India  <b>6.Authors:</b> C.subba Rao,2. L.Madhavi Devi,3. B.Swati Lakshmi;  Habibulla Mohammed; B.V.Subbayamma  <b>Title:</b> Automatic Wireless Parking Identification And Warning System  <b>Status</b> : Published  <b>Patent Number</b> :202041055527 A  <b>Date</b> :01-01-2021  <b>Organization</b> : Patent Office; Govt. of India</p>
Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)	
Details of Projects Applied / Awarded	nil
Any Other information	