



**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY**

**(Approved by AICTE, New Delhi & Affiliated to JNTU Kakinada)**


**Accredited by NAAC & An ISO 9001:2015 Certified Institution**

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**FACULTY PROFILE**

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<b>Name of the Faculty</b>	<b>Mr. G.Vijaya Kumar</b>		
Designation	<b>Assistant Professor</b>		
Department	<b>ECE</b>	<b>Date of Birth</b> 17/08/1990	
Date of Joining the Institution	<b>23-06-2014</b>	<b>Native place</b> Chilakaluripet	
Academic Qualification with Class/Grade	<ul style="list-style-type: none"> <li>• <b>M.Tech, 1<sup>st</sup> class with distinction</b></li> <li>• <b>B.Tech, 1<sup>st</sup> class with distinction</b></li> </ul>		
Professional Qualification	<ul style="list-style-type: none"> <li>• Completed Technology Familiarization program at <b>Radar Station, Airport Authority of India</b></li> </ul>		
Employee ID	<b>ALIET-14-12</b>		
E-mail / Mobile	<a href="mailto:vijay.gayala@gmail.com">vijay.gayala@gmail.com</a> 9701077654		
Total Experience in Years	<b>Teaching: 06 years</b>	<b>Industry: 00 Years</b>	<b>Research: 00 Years</b>
Papers Published in Journals -	<b>UGC – 07</b>	<b>Articles in Books: 00</b>	
Faculty Development Programmes attended:	<b>10</b>	<b>Guest Lectures Delivered: 00</b>	
Papers presented in Conferences/ attended	<b>National: 01</b>	<b>International: 00 / Workshops: 03</b>	
PhD Guide? Give field & University	--		
PhDs / Projects Guided	<b>PhDs: 00</b>	<b>Projects at Masters Level: 00</b> <b>Projects at UG Level: - 09</b>	
Books Published/IPRs/Patents	<b>Nil</b>		
Professional Memberships - 2	<ul style="list-style-type: none"> <li>• <b>Associate Member in Institute of</b></li> </ul>		

	<b>Engineers(IE)</b> <ul style="list-style-type: none"> <li>• <b>Membership in ISSSE(Indian Society Of Systems For Science And Engineering)</b></li> </ul>
Editorial Board Membership	<b>Nil</b>
Board of Studies Member	<b>No</b>
Foreign Projects	<b>Nil</b>
National Projects	<b>Nil</b>
Grants fetched	<b>Nil</b>
Awards	<b>Nil</b>
Subjects handled for UG Students ie. from 2014 to Till now	<ul style="list-style-type: none"> <li>• <b>Antennas and wave propagation</b></li> <li>• <b>Microwave Engineering</b></li> <li>• <b>Digital Communications</b></li> <li>• <b>Analog Communications</b></li> <li>• <b>Pulse and Digital Circuits</b></li> <li>• <b>Digital Image Processing</b></li> <li>• <b>Wireless Sensor Networks</b></li> <li>• <b>Radar Systems</b></li> </ul>
Conferences/ Seminars / Workshops / FDP Organised @ ALIET	<ul style="list-style-type: none"> <li>• Organized a Three day workshop on “<b>RF ANTENNA DESIGN</b>” from 28-06-2018 to 30-06-2018.</li> <li>• Organized a Guest Lecture on “<b>Antenna Wave Propagation</b>” dated 31<sup>st</sup> August 2018</li> <li>• Organized a Three day workshop on “<b>Gamification using AR &amp; VR</b>” from 5<sup>th</sup> to 7<sup>th</sup> December 2018</li> <li>• Organized a Guest Lecture on “<b>Fields &amp; Waves</b>” on 02-01-2019</li> <li>• Organized a Three day Training program on “<b>Office and Home Appliances</b>” from 21-01-2019 to 25-01-2019</li> <li>• Organized a Training program on <b>Basics of PLC</b> from 7<sup>th</sup> to 14<sup>th</sup> Feb 2019</li> <li>• Organized a Three day workshop on “<b>IoT Advanced</b>” from 5<sup>th</sup> to 7<sup>th</sup> March 2019</li> <li>• Organized a Three day workshop on “<b>Problem Solving And Programming In Python Phase – I</b>” from 13<sup>th</sup> to 16<sup>th</sup> Sept 2019</li> <li>• Organized a Three day workshop on “<b>Embedded Systems Fundamentals</b>” from 19<sup>th</sup> to 21<sup>st</sup> Sept 2019</li> <li>• Organized a three day workshop on <b>Recent trends in RF Antenna Design</b> from 28<sup>th</sup> to 30<sup>th</sup> November, 2019</li> <li>• Organized a Three day workshop on “<b>Problem Solving And Programming In Python Phase – I</b>” from 6<sup>th</sup> to 8<sup>th</sup> January 2020</li> </ul>
Any Other Achievements	Qualified as Assistant Professor in UGC NET
Other Responsibilities	<ul style="list-style-type: none"> <li>• <b>APSSDC</b> coordinator for ECE Dept.</li> <li>• Exam Cell in-charge for ECE Dept.</li> <li>• Project Coordinator for ECE Dept.</li> </ul>

Whether Ratified by University (Yes/No)	<b>YES</b>
<b>Faculty Development Programmes/Workshops attended</b>	
<ul style="list-style-type: none"> <li>• Participated in a Two week FDP on “<b>Technology Adoption and Implementation in a Smart Society using IoT</b>” conducted at VRSEC.</li> <li>• Participated in a Five day online FDP on “<b>Advanced Antenna Design using HFSS</b>” conducted by Santhiram Engineering College.</li> <li>• Participated in a Two day online FDP on “<b>Microstrip Antennas for Advanced Wireless Communications</b>” conducted by KHIT.</li> <li>• Participated in a One week online FDP on “<b>Modern Research Trends in Communication, Signal Processing and VLSI/MEMS</b>” conducted at ALIET.</li> <li>• Participated in a Two day online FDP on “<b>Cyber Security</b>” organised by Swarnandhra College of Engineering and Technology in association with Indian Servers during 15<sup>th</sup> and 16<sup>th</sup> May 2020.</li> <li>• Participated in a Two week FDP on “<b>CMOS, Mixed Signal and Radio Frequency VLSI Design</b>” conducted at PVPSIT.</li> <li>• Participated in a One week FDP on “<b>Recent Advances in Radar Systems in special Applications</b>” conducted at PVPSIT.</li> <li>• Participated in a one week FDP on “<b>Basics of PLC and SCADA</b>” Conducted at VRSEC in collaboration with APSSDC.</li> <li>• Participated in a three Day FDP on “<b>Industrial IOT on NI Using Graphical System Design</b>” dated 13<sup>th</sup> to 15<sup>th</sup> July 2017.</li> <li>• Participated in a two-day workshop on “<b>MATLAB, Simulink &amp; Related Tool Boxes for Engineering Education</b>” organized in ALIET in collaboration with Capricot Technologies Pvt. Ltd., Bangalore.</li> <li>• Organized a Four-day workshop on “<b>NI-LabVIEW</b>” conducted at ALIET in collaboration with National Instruments.</li> <li>• Participated in a one-day “<b>NBA Orientation Programme</b>” conducted at ALIET.</li> <li>• Participated in a three-day workshop on “<b>Signal processing using Simulink</b>” Conducted at PVPSIT in collaboration with Capricot Technologies Pvt. Ltd., Bangalore.</li> </ul>	
<b>Online Webinars Attended: 2020</b>	
<ul style="list-style-type: none"> <li>• Participated in online webinar on “<b>Legal Challenges in Starting up a Business</b>” on 10<sup>th</sup> May 2020 organized by Institutions Innovation Council(IIC) of Sri Venkateswara College of Engineering and Technology, puducherry.</li> </ul>	

- Participated in online webinar on “**Faculty Awareness Programme on Outcome Based Education (OBE) and NBA Accreditation**” organised by Singhad Institute of Technology and Science, Pune on 14<sup>th</sup> May 2020.
- Participated in online webinar on “**NAAC Awareness Program for Faculty**” organized by Marathwada Mitra Mandal Institute of Technology, Pune during 08/05/2020 to 14/05/2020.
- Participated in a awareness program on “**NBA to keep in touch with NBA Accreditation**” on 17/05/2020, PACE Institute of Technology and Sciences
- Participated in online webinar on “**Faculty Program on NBA**” organized by Bharati Vidyapeeth College of Engineering, Navi Mumbai on 5<sup>th</sup> September 2020.

### **Online Quiz Programme attended: 2020**

1. Online quiz on **Social Awareness on COVID-19** organized by JNTUK
2. Online quiz on “**MATLAB Skill Test**” organized by Raghu Engineering College from 15<sup>th</sup> May to 17<sup>th</sup> May 2020.

### **Seminars Attended**

- Attended a Seminar on “**Embedded Systems**” on 20-06-2019
- Attended a Seminar on “**Modern Trends in Broadcasting**” on 20-07-2019
- Attended an Orientation Program on **Faculty to improve Teaching Methodologies** on 14-06-2018

### **Industrial Visits**

- Completed Technology Familiarization program at **Radar Station, Airport Authority of India**, Shamshabad Airport for the period of 30-05-2019 to 01-06-2019.
- Industrial Visit to **Coca Cola Pvt. Ltd.**, Atmakur on 12-07-2019
- Visited **Effectronics Systems Pvt. LTD.**, Vijayawada on 23-02-2019

### **List of Publications in Journals**

- G.Vijaya kumar, M.Srinivasa rao, “Optimized BER Performance of Asymmetric Turbo codes over AWGN channel” in **International Journal of Computer Applications** in October 2013.
- G.Vijaya kumar, “Raspberry-pi B+ based Embedded Blood Donating and Managing System” in **International Journal of Engineering in Advanced Research Science and Technology** in March 2017.
- G.Vijaya Kumar, “Robust Wireless Image Transmission using Assymmetric Turbo Codes” in **International Journal of Creative Research Thoughts** in March 2018.
- G.Vijaya Kumar, “ Wireless Image Transmission using Assymmetric Turbo Codes with Unequal

error protection” in **Journal for Studies in Management and Planning** in March 2018.

- G.Vijaya Kumar, “Design and Implementation of slotted circular patch antenna for MIMO Applications” in **International Journal of Research Electronics and Computer Engineering** in March 2019.
- G.Vijaya Kumar, “Automatic Aurdino Controlled Agribot for Multi-purpose Cultivation” in **International Conference of Advanced Research and Innovation** in July 2020.
- G.Vijaya Kumar, “DGS based Ultra Wide Band Antenna for Wireless Applications” in **International Conference of Advanced Research and Innovation** in July 2020.

### **List of Publications (A Peer-Reviewed Journal)**

**Articles published in Book:00**

**National Seminars:01**

- Attended a Seminar on “**ANSYS Academic Innovation Conference**” on September 13,2019 at Hotel Gateway Vijayawada

**International Seminars:00**

**Prizes: Nil**

**Social Activities**

- Participated in a Extension program on **Environment vs Technology** at St.Joseph English Medium School on 26-02-2018