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
ITI Road, ALC Campus, VIJAYAWADA - 520 008 :: Website : www.aliet.ac.in :: Ph : 0866 - 2476161

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FACULTY PROFILE
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Name of the Faculty	Mrs. B. SANTHI KIRAN	
Designation	**Associate Professor**	
Department	**ELECTRONICS AND COMMUNICATION ENGINEERING(ECE)**	**Date of Birth** 22/08/1984
Date of Joining the Institution	**13-06-2011**	**Native place** Vijayawada, AP, India
Academic Qualification with Class/Grade	• **Pursuing Ph.D** from Vel- Tech University **Specialization**: **MIMO Antennas** (Multi input Multi output Antennas) • **PG: M. Tech First Class** from JNTUK. • **UG : B. Tech First Class** from JNTUH.	
Employee ID	**ALIET-11-03**	
E-mail / Mobile	**bsk.aliet@gmail.com**	
Total Experience in Years	**Teaching: 9 years**	**Industry 00** **Research : 00**
Papers Published in Journals -	**UGC – 92** **A Peer- Reviewed- 0**	**Articles in Books: 0**
Faculty Development Programmes attended:	**15**	**Guest Lectures Delivered: 0**
Papers presented in Conferences/ attended	**National: 01**	**International: 01 / Workshops: 02**
Are u a PhD Guide? If Yes, Give field & University	**Field: ---**	
PhDs / Projects Guided	**PhDs : 00** **MPhil -00**	**Projects at PG Level : 02** **Projects at UG Level: - 20**
Books Published/IPRs/Patents	**NIL**	

Professional Memberships	**IE**(Institute of Engineering**)**
Editorial Board Membership	**NIL**
Board of Studies Member:	**NO**
Foreign Projects	**NIL**
National Project	**NIL**
Grants fetched	**NIL**
Awards - 00	**NIL**
Subjects handled for Under Graduate Students:	**Linear IC Applications** **Digital IC Applications** **Embedded Systems** **Satellite Communication** **Microprocessors and Microcontrollers** **Electrical Technology** **Pulse and Digital Circuits** **Cellular Mobile Communications** **Electronic Measuring instrumentation** **Linear & Digital IC Applications**

RESEARCH PUBLICATIONS:

List of Publications (Conferences) :

1. **"IMAGE PROCESSING BASED INTELLIGENT TRAFFIC CONTROLLING AND MONITORING SYSTEM USING ARDUINO" -** 2016 International Conference on Control, Instrumentation, Communication and Computational Technologies (ICCICCT), 978-1-5090-5240-0/16 ©2016 IEEE.

List of Publications (Journals):

1. **"Gesture and Joystick Controlled Multipurpose Automated Wheelchair" -** Indian Journal of Science and Technology, Vol 10(33), DOI: 10.17485/ijst/2017/v10i33/117230, September 2017, ISSN (Print) : 0974-6846, ISSN (Online) : 0974-5645.

2. **"Multi Point Short Range Wireless Data Communication System Using Zigbee Network"** - International Journal of Research in Computer Engineering and Electronics. 1 ISSN 2319-376X VOL: 1 ISSUE:2 Oct'12.

3. **"Energy Efficiency Of MIMO-OFDM Communication System"** in International journal Of Engineering Research And Applications,, Volume 4, Issue.

4. **"Resource Allocation And Identification Of OFDM Signals In Distributive Antenna Systems"** - International Journal of Engineering In Advanced Research Science and Technology ISSN: 2278-256, November 2016, VOLUME -2, ISSUE-4, Page:7911-17.

5. **"Design Of Low Power 4bit Synchronous Counter Using Adiabatic Logic"**,- SSRG

International Journal of Computer Trends and Technology (IJCTT) - Special Issue – April 2017.

6. **"A Novel Spectrum Sensing Method in Imperfect Channels"** - International Journal for Modern Trends in Science and Technology , Volume: 03, Issue No: 06, June 2017.

7. **"Automated segmentation of retinal blood vessel using optimized gaber filter with local entrop thresholding"** published in IJCRT ,ISSN UGC approved & .97 impact factor ,volume: 06, Issue 1, March 2018.

8. **"Implementation of P-N Learning Based Compression in Video Processing "** (January 19, 2020). Available at SSRN: https://ssrn.com/abstract=3643611 or http://dx.doi.org/10.2139/ssrn.3643611

9. "**Design and Implementation of Unhealthy Leaves Disease Detection Using Image Processing**" (January 19, 2020). Available at SSRN: https://ssrn.com/abstract=3643583 or http://dx.doi.org/10.2139/ssrn.3643583

10. Design And Implementation Of Bi-Directional Communication For Normal And Challenging People (January 19, 2020). Available at SSRN: https://ssrn.com/abstract=3643577 or http://dx.doi.org/10.2139/ssrn.3643577

11. **Wideband And Ultra Wideband MIMO Antennas-A Survay** published in journal of critical reviews , volume :7 , issues: 7, April-2020

WORKSHOPS & SEMINORS:

- Participated in **"EMPOWERS PROGRAMME-2012"** from 8th to 15th Feb 2012.

- Participated in **"SIX DAY WORKSHOP FOR FACULTY ON ANALOG SYSTEM DESIGN USING TEXAS INSTUMENTS ANALOG SYSTEM LAB KIT (ASLK)"** form 4th to 9th June 2012.

- Participated in **"FALCON ELECTRO-TEK PVT.LTD"** on 22th June 2012.

- Participated in **"TWO DAY WORKSHOP FOR FACULTY ON SYSTEM DESIGN USING XILINX FPGA"** on 27th & 28th June 2013.

- Participated in an International Seminar on **"The Unknowable and the Counterintuitive: The Surprising Insights of Engineering"** on 6th July 2013.

- Participated in the National seminar on **" TRAINING IN LAY COLLABORATION"** from 4-6 October 2013.

- Participated in **"ADVANCED TRENDS IN EMBEDDED SYSTEMS", ATES-2014** on 28th Feb-1st March 2014.

- Participated in **"OVERVIEW ON LATEST TELECOM TECHNOLOGIES"** by **BSNL** from 9-2-2015 to 11-2-2015.

- Participated in **"ENGINEERING EDUCATION AND RESEARCH SEMINAR"** on 19th August 2015.

- Participated on **"BIO-SIGNAL PROCESSING AND MEASUREMENTS AND COMPUTING EVERYWHERE"** from 26-28 NOVEMBER 2015.

- Participated in **"MATLAB, SIMULINK & RELATED TOOL BOXES FOR ENGINEERING EDUCATION"** on 11th & 12th December 2015.

- Participated in **"MATLAB, SIMULINK FOR ENGINEERING EDUCATION"** on 5th February 2016.

- Participated in **"A ONE DAY NBA ORIENTATION PROGRAM"** on 6th June 2016.
- Participated in **"Applications of Lab VIEW & MULTISIM"** on 8th, 9th, 10th June 2016.
- Participated in **"A Three Day FDP on Industrial IoT using NI Graphical Syatem Design Platform"** from 13th July to 15th July 2017.
- Participated in **"A five Day online short term course on artificial intelligence and machine learning and its applications"** from 29 may 2020 to 2 June 2020.
- Participated in **"A three Day national level WEBINAR SERIES on VLSI"** from 10th June to 12th June 2020.
- Participated in **"A Three Day FDP on Applications of MATLAB in mathematics , science and engineering "** from 15th -17th sep 2020.

Programs Organized:

- Acted as coordinator for **MAYUKHA**, a student national level technical symposium held in ALIET in AY 2011- 12 and 2012-13.
- Acted as coordinator for **EPISTEMICON**, a student national level technical symposium held in ALIET from the AY 2013-14 till date.
- Organized a **"FOUR DAY WORKSHOP ON NI-Lab VIEW"** from 19th to 22nd September 2016.
- Organized and acted as a Speaker in a Two day Workshop on **"A Role of Transducers & Programmable devices in control & Medical Applications using IOT"** from 30th June to 31st Junuary 2017.
- Act as a Coordinator for National Conference On **"Communication, Electronics, Instrumentation and Computing"** on 15th March 2019.