

Mr. ALIKANI VIJAYA DURGA

B.Tech. , M.Tech., (Ph.D)

Assistant Professor

Department: Electronics and Communication Engineering
University College of Engineering
Adikavi Nannaya University
Rajamahendravaram.



Date of Joining: 01st August 2017

E-mail: alikanivijayadurga.88@gmail.com
avd.ece@aknu.edu.in

Mobile No: +91 9989032311

Subjects Taught: Switching Theory & Logic Design, Electronic Devices and Circuits, Electrical Technology, Analog Communications, Digital Communications, Network Analysis, Principles of Communications, Computer Organization, Microprocessors and Micro Controller, Embedded systems, Mobile Cellular Communications, Optical Communications, Television Engineering.

Area of Research: Image Processing, Communication Technology.

Teaching Experience: 12yrs

Publications (Research papers cum Book Chapters in books):

S.No	Paper Title	Authors	Year of Publication	Journal Name	Vol. No & Issue No	Pages	Impact factor
1	A New Algorithm for or Code Watermarking Technique For Digital Images Using Wavelet Transformation	Mr. Alikani Vijaya Durga	August 2014	International Journal of Engineering And Computer Science	Volume 3 Issue 8	7776-7782	8.2
2	A Robust Algorithm for Audio Watermarking	Mr. Alikani Vijaya Durga	Jan-2020	Journal of Engineering Sciences (UGC Care Approved Group-II)	11 & 01	587-592	6.54
3	A Novel BIO-Signal Measurement System for Advanced Health Care Monitoring System Using Wearable Sensors	Mr. Alikani Vijaya Durga	April-2020	Alochana Chakra Journal (UGC Care Approved Group-I)	09&04	4617-4628	6.3
4	Standard basic Code Based encoding/Decoding with AND Operation for Network on Chip Communication	Mr. Alikani Vijaya Durga	July-2020	Journal of Engineering Sciences (UGC Care Approved Group-II)	11 & 07	394-398	6.54

5	Alcohol Detection System in Vehicle for Human Safety	Mr. Alikani Vijaya Durga	Oct -2020	International Journal for Modern Trends in Science and Technology	06&10	80-83	7.3
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No. of Patents Published: 01

Webinar / Seminar /FDPs Organized: 05

Role : Convener
Participants : All over India

Webinar / FDPs attended:

A) FDP/FIP/WORKSHOPS/COURSESs Attended: 72 (5+5+38+6+3+9+6)

i) FDPs from Reputed Institutions:

S.No	Title	Organized By	Duration
1	R Programming	Birla Institute of Technology, Mesra, Noida Campus by National Mission on Education through ICT, MHRD, Govt. of India.	11-05-2020 to 15-05-2020
2	Modern Methods for teaching and Learning Practices	Krishna University, Machilipatnam	12-05-2020 to 13-05-2020
3	Effective & Efficient Online Teaching in the Age of Corona A Hands On Workshop	Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching(PMMMMNMTT), MHRD, Govt. of India	12-05-2020 to 17-05-2020
4	Faculty Development Program on PHP & MySQL	JNTUH, Jagitial & Spoken Tutorial IIT Bombay	18-05-2020 to 23-05-2020
5	R Programming & Python Django	Universal College of Engineering & Technology, Guntur & Spoken tutorial IIT Bombay	26-05-2020 30-05-2020

ii) AICTE & IETE Sponsored Short Term Training Programs (STTP):

S. No	Title	Organized By	Duration
1	Internet Of Things(IOT)	All India Council For Technical Education, NIT Warangal(ATAL)	11-05-2020 To 15-05-2020
2	Design And Simulation Of Miniature antenna For IOT Applications	MVGR College Of Engineering, AICTE-MHRD	29-06-2020 To 04-07-2020
3	Introduction To Radar Signal Processing	RISE Krishna Sai Parkas Group of Institutions, Ongole & IETE	01-07-2020 To 18-07-2020
4	Fundamentals Of Radar Signal Processing-1	RISE Krishna Sai Parkas Group of Institutions, Ongole & IETE	27-07-2020 To 11-08-2020
5	Fundamentals Of Radar Signal Processing-2	RISE Krishna Sai Prakasam Group of Institutions, Ongole & IETE	12-08-2020 17-08-2020

iii) National and International FDPs:

S. No	Title	Organized By	Duration
1	Open Learning With Open Online Tools	Government College Autonomous, Rajahmundry	03-05-2020 To 04-05-2020
2	Faculty Awareness Program On Naac Accreditation	Shri Chatrapati Shivajiraje CollegeOf Engineering ,Dhangawadi,Pune	10-05-2020 To 15-05-2020
3	Insights Into Quality Research And Innovation	Vivekanandha College Of Engineering For Women	13-05-2020 To 20-05-2020
4	Hadoop And Machine Learning	Mallareddy Institute Of Technology, Hyderabad	18-05-2020 To 20-05-2020
5	Cyber Forensics	Swami Vivekananda Institute Of Technology	5/21/2020
6	Advanced Communication And Signal Processing	Bapatla Engineering College, Guntur	25-05-2020 To 29-05-2020
7	Art Of Writing & Publishing Research Paper And Application Of Statistical Tools	Aurora's Degree & Pg College	27-05-2020 To 28-05-2020
8	Real Time Hardware-In-The-Loop(Hil)SimulationFor Power Electronics &Power System	Anurag University,Hyd	27-05-2020 To 29-05-2020
9	A 3-Day Online Fdp On Cmos Analog Integrated Circuits	Svr Engineering College , Nandyal	28-05-2020 To 30-05-2020
10	Cyber Security &Malware Analysis	Giet College Of Engineering	28-05-2020 To 29-05-2020
11	Research Trends In Signal Processing, Antennae,Vlsi & Iot	Sri Vasavi Engineering College(Autonomous) Tadepalligudem	28-05-2020 To 30-05-2020
12	Research Topics In Vlsi And Industry Trends	Gmr Institute Of Technology, Rajam,Ap	29-05-2020 To 31-05-2020
13	How To Present Effective Research Publication	Svr Engineering College, Nandyal	6/5/2020
14	Principle Of Modern Radar	Rise Krishna Sai Prakasam Group Of Instituions,Ongole	03-06-2020 To 07-06-2020
15	Recent Trends And Research Areas In Applied Vlsi And Advanced Communications	Vasireddy Venkatadri Institute Of Technology,Kakinada	08-06-2020 To 12-06-2020
16	Technologies For Healthcare	Gmr Institute Of Technology, Rajam,Ap	08-06-2020 To 10-06-2020
17	Data Science And Machine Learning	Qis Institute Of Technology, Kakinada	08-06-2020 To 12-06-2020
18	Open Source Tools & Softwares For Online Teaching	Rise Krishna Sai Prakasam Group Of Instituions,Ongole	08-06-2020 To 09-06-2020

19	A Wireless Transceiver Ic: Design, Challenges And Opportunities For Biomedical Applications	Sri Venkateswara College Of Engineering And Technology, Chittoor	09-06-2020 To 10-06-2020
20	Understanding Signal Processing..As It Is	Rise Krishna Sai Prakasam Group Of Instituions,Ongole	12-06-2020 To 14-06-2020
21	An Emerging ParadigmOf Low Power Computational Vlsi Design	B V Raju Institute Of Technology, Bhimavaram	16-06-2020 To 20-06-2020
22	Coding Theory And Signal Processing	Rise Krishna Sai Prakasam Group Of Instituions,Ongole	16-07-2020 To 18-07-2020
23	Innovation Opertunities In Emerging Electronics &Communication Technology	Mic College Of Technology , Kanchikacharla	19-06-2020 To 21-06-2020
24	Five Day Online Faculty Development On Scilab	Vkr,Vnb &Agk College Of Engineering & Skill To Hire	25-06-2020 To 29-06-2020
25	Trends In Electronics & Communication Engineering	Sri Vasavi Engineering College,Tadepalli Gudem	22-06-2020 To 26-06-2020
26	Numerical Methods: Theory To Practice	Rise Krishna Sai Prakasam Group Of Instituions,Ongole & Iete	26-06-2020 To 28-06-2020
27	Digital Ic Design With Dft Concepts Using Mentor Graphics Tools	Mahaveer Institute Of Science & Technology, Jntu,Hyderabad	29-06-2020 To 01-07-2020
28	Advancement IncommunicationEngineering Technology With Simulation Tools	Vishnu Institute Of Technology, Bhimavaram	01-07-2020 To 05-07-2020
29	Teachers On Tools For Online Teaching Learning And Evaluation	Swami Ramanand Teerth Marathwada University, Nanded	01-07-2020 To 06-07-2020
30	Insight Of Control Systems And Signal Processing : Theory To Practice	Sasi Institute Of Technology And Engineering, Tadepalligudem	02-07-2020 To 06-07-2020
31	Machine Learning With Deployment	Sri Vasavi Engineering College, Tadepalligudem & Skill To Hire	03-07-2020 To 05-07-2020
32	Image Processing And Computer Vision- Industrial Scope	Malineni Lakshmaiah Women's Engineering College, Guntur	08-07-2020 To 12-07-2020
33	Google Class Room And Google Applications	Tiruppur Kumaran College For Women,Timilanadu	7/10/2020
34	Recent Advances In Biomedical Applications And Communication Network	Gmr Institute Of Technology, Rajam,Ap	13-07-2020 To 18-07-2020
35	Sensors & Their Applications	Vemana Institute Of Technology, Bengaluru	13-07-2020 To 17-07-2020

36	Recent Advance In Antennas And Applications	Klu, Guntur	14-07-2020 To 18-07-2020
37	Research Trends in Image Processing	Gates Institue Of Technology, Ananthapur	15-07-2020 To 19-07-2020
38	Enhancing Digital Proficiency:A Platform For Refining The Research And Teching Skills	Adikavi Nannaya University	12-08-2020 16-08-2020

iv) AP State Skill Development Corporation conducted FIPs Attended & Completed:

S. No	Title	Organized By	Duration
1	Micro Soft Power BI	AP Skill Development Corporation	15-06-2020 to 19-06-2020
2	Python Programming	AP Skill Development Corporation	18-05-2020 to 30-05-2020
3	Embedded Systems	AP Skill Development Corporation	25-05-2020 to 06-06-2020
4	AI and Deep learning	AP Skill Development Corporation	01-07-2020 to 28-07-2020
5	Android Application Development	AP Skill Development Corporation	13-07-2020 to 25-07-2020
6	AWS Cloud Computing	AP Skill Development Corporation	13-07-2020 25-07-2020

v) Outreach Programmes Completed:

S. No	Title	Organized By	Duration
1	Satellite Photogrammetry and its Application	Indian Institute of Remote Sensing, IIRS -ISRO	29-06-2020 to 03-07-2020
2	Geospatial Inputs for Enabling Master Plan Formulation	Indian Institute of Remote Sensing, IIRS -ISRO	27-07-2020 to 31-07-2020
3	Application of Geo Informatics in Ecological Studies	Indian Institute of Remote Sensing, IIRS -ISRO	13-07-2020 24-07-2020

vi) Online Courses Completed:

S. No	Title	Organized By	Offered By	Duration	Grade Achieved
1	Introduction to Programming with MATLAB	COURSE ERA	Vanderbilt University	9 weeks	98.80%
2	Cloud Computing Basics (Cloud 101)	COURSE ERA	Learn quest	3 weeks	94.10%
3	Social Psychology	COURSE ERA	Wesleyan University	6 weeks	84.57%
4	The Arts and Science of Relationships:	COURSE ERA	University of Toronto	6 weeks	100.00%
	Understanding Human Needs				
5	Introduction to Philosophy	COURSE ERA	University of Edinburgh	5 weeks	100.00%
6	New Models of Business in Society	COURSE ERA	University of Virginia	4 weeks	NA

7	Introduction to personal Branding	COURSE ERA	University of Virginia	5 weeks	NA
8	Managing the Company of the Future	COURSE ERA	University of London	5 weeks	NA
9	The Strategy of Content Marketing	COURSE ERA	University of California	5 weeks	NA

vii) Workshops Attended:

S. No	Title	Organized By	Duration
1	Feature of Financial Research - a Transformation	Adikavi Nannaya University	20-05-2020
2	Machine Learning and Deep Learning using Python	Lenora college of Engineering	22-05-2020
3	Online Teaching Learning Methods	SDC, Adikavi Nannaya University	30-07-2020
4	Google Apps for Education & Moodle	Rajam College , Kolahaphur	02-07-2020 to 03-07-2020
5	Role of Artificial Intelligence in Industrial Automation and Agriculture	Adikavi Nannaya University	21-08-2020
6	Communication, VLSI , Image Processing and Design of Antennas	JNTUK, Vizianagaram	03-09-2020 to 04-09-2020

B) Webinars Attended: 86 (6+80)

i) APSSDC Webinars Attended:

S. No	Title	Organized By	Duration
1	Cyber Security	APSSDC	8/7/2020
2	Antennas	APSSDC	12/7/2020
3	Employability Skills & Sustainability	APSSDC	14/7/2020
4	Optical Communication	APSSDC	25/7/2020
5	Design And Development of SDR	APSSDC	1/8/2020
6	Re Frame of Failures	APSSDC	15/8/2020

ii) National & International Webinars Attended:

S. No	Title	Organized By	Duration
1	The New Face Of Higher Education After Covid-19	Acharya Nagarjuna University	10/5/2020
2	Latest Trends In AI	Lenora College Of Engineering	12/5/2020
3	How To Write A Research Paper	KLE Societies Science And Commerce Mumbai	14/5/2020
4	Importance Of Information Literacy Skills During Pandemic Situation	GTN Arts College Tamilnadu	20-05-2020
5	Future Of AI	IETE Mumbai And Pantech Solutions	20-05-2020

6	Research Methodology	SVD Govt Degree College Ap	21-05-2020
7	Custom IC Design And Validation Using Vivado	Coreal Technologies And Xilinx	22-05-2020
8	Data Analysis In Management Research	St.Martins Engineering College	24-05-2020
9	Development Of Deep Learning Architecture	IETE Mumbai And Pantech Solutions	25-05-2020
10	How Cooperative Services Are Responding To The Covid-19	ICCMRT Lacknow	27-05-2020 To 28-05-2020
11	Challenges And Opportunities In Higher Education In Covid-19 Scenario The Way Forward	St.Joseph College For Women Ap	27-05-2020 To 28-05-2020
12	Outcome Based Education	Swarnandhra College Of EngineeringAnd Technology Narsapur, Andhra Pradesh	28.05.2020
13	Information And Misinformation During COVID 19 Crisis	Auroras Degree And Pg College	28-05-2020
14	Conversational BOT Design	IETE Mumbai And Pantech Solutions	30-05-2020
15	Business Analytics ImplementationOn Cloud Platform	Auroras Degree And Pg College	31-05-2020
16	COVID -19 Paradigm Shift In Teaching Learning And Learners Physical And Mental Well Being	Govt. Raza Pg College Up	31-05-2020
17	A Paradigm Shift In The Post COVID World	Pitapuram Raja Govt College	31-05-2020
18	Full stack Java Development	RVR & JC College of Engineering AP	1/6/2020
19	Digital Parenting	Nvr College Of Engineering And Technology Ap	1/6/2020
20	Block chain And Bit coins	Francis Xavier Engineering College	3/6/2020
21	Wireless Communication - Your Friend In The Digital Age	Nanda College Of Technology Tamilnadu	4/6/2020
22	Emerging Trends In Nano MaterialsFor Micro Wave Integrated Electronics And Cancer Applications	GMR Institute Of Technology AP	4/6/2020
23	Current Research Trends In Vlsi	Visakha Institute of Engineering And Technology	5/6/2020
24	Foster Bio-Diversity Nurture Nature	Adikavi Nannaya University	5/6/2020
25	Brain Computer Interface	Nit Karnataka And Pantech Solutions	5/6/2020
26	Cryptography And Current TrendsIn Security For Pervasive Applications	Adikavi Nannaya University	5/6/2020
27	Brain Controlled Robot Design	NIT Karnataka And Pantech Solutions	6/6/2020
28	Advance Techniques For Energy Efficient Devices And Mat Lab Coding	Sri G.S. Institute Of Technology And Science Indore	7/6/2020
29	Ed Tools For Making Online Learning More Effective	St.Joseph College For Women Ap	8/6/2020

30	ICT Tools And Innovative Practices In Education	Vikas College Of Engineering	10/6/2020
31	Nano Electronics Devices	Sri Venkateswara College Of Engineering And Technology	10/6/2020
32	Machining Of Titanium Alloys Using Various Technologies	Francis Xavier Engineering College	13-06-2020
33	Application Design Of Brain Computer Interface	Adamas University And Pantech Solutions	13-06-2020
34	Opportunities And Challenges In Engineering Education After COVID 19	Medi Caps University Indore	14-06-2020
35	Mems Based Sensors For Chemical And Bio-Chemical Sensing Applications	Sri Vasavi Engineering College	15-06-2020
36	Documentation For DVV And PTV of NAAC	Mahatma Phule Maha Vidyalaya, Kingaon	15/6/2020
37	Role Of Aathma Nirbhara Bharath Abhiyan In Indian Economy During Post Covid-19	Adikavi Nannaya University And Vikrama Simhapuri University	16-06-2020
38	Iot Using Arduino	Syam Prasad Mukharjee University And Pantech Solutions	16-06-2020
39	Drone Technology	Auroras Scientific Technological And Research Academy	19-06-2020
40	Iot Using Raspberry Pi	Institute Of Engineering And Technology Alwar And Pantach Solutions	19-06-2020
41	System On Chip Architecture	Pragathi Engineering College Surampalem Ap	20-06-2020
42	IOT Using NODEMCU	Shiv Kumar Singh Institute Of Technology Mp And Science And Pantech Solutions	23-06-2020
43	Industrial Automation And Job Opportunities In Power Sector	Hyderabad Institute Of Techbology And Management	23-06-2020
44	Block Level Design	Coreel Technologies And Xilinx	26-06-2020
45	Design Of Brain Control Application	Dr. B.R. Ambedkar National Institution Of Technology (Nit Jalandar) And Pantech Solutions	26-06-2020
46	Advanced Digital System Design Using Verilog	Sri Venkateswara College Of Engineering And Technology	29-06-2020
47	Wireless Sensor	Francis Xavier Engineering College Tamilnadu	29-06-2020
48	Basic Ideas Of Mini Solar Plant	Francis Xavier Engineering College Tamilnadu	30-06-2020
49	Face Recognition Using Deep Learning	Bits Warangal And Pantech Solutions	30-06-2020
50	Transience In Power Systems	Francis Xavier Engineering College Tamilnadu	1/7/2020
51	Significance Of Social Work Profession In The Context Of New Social Environment	Adikavi Nannaya University	1/7/2020

52	Technology Of Sustainability Potential Of Technology In ShapingThe World	Rajkumar Goel Institute Of Technology Up	2/7/2020
53	Image Processing Applications	AIMIT St. Aloysius College Mangalore And Pantech Solutions	3/7/2020
54	Management Of Research Credentials For Engineering Faculty - Future Perspective	Kakinada Institute Of TechnologyAnd Science	3/7/2020
55	Recent Trends In Fiber Optics And Photonic IC With Applications	SRM TRP Engineering College	3/7/2020
56	Exploring The Cloud InfrastructureWith Microsoft Azure	Hindustan Institute Of Technology	4/7/2020
57	Digital Content Creation For Social Media	Bombay Teachers Training CollegeAnd Thadomal Shahani Engineering College Mumbai	06-07-2020 To 11-07-2020
58	Object Recognition Yolo- MobileNet-Cloud	Khalsa College For Women LuthianaAnd Pantech Solutions	10/7/2020
59	Computer Vision And Image Processing Industrial Scope	Rise Krishna Sai Prakasam Group Of Institutions Ap	13-7-2020 To 14-07-2020
60	Computer Vision Application Design	Atria Institute Of Technology Bangalore And Pantach Solutions	14-07-2020
61	Robotics Operating System	Adama Science And Technology University Ethiopia And Pantach Solutions	17-07-2020
62	International Virtual Colloquium On Environmental Humanities	Adikavi Nannaya University Ap	20-07-2020
63	Novel Methods Of Teaching And Learning	Kle Societys Science And Commerce Mumbai	25-07-2020
64	IOT Industry 4.0	Sri Rama Chandra College Of Engineering Pune And Pantech Solutions	25-07-2020
65	Impact Of Covid-19 On The Development Of Rural Economy Challenges And Opportunities	JNTUA And Lead India Foundation	27-07-2020
66	J-Gate	Adikavi Nannaya University Ap	28-07-2020
67	Online Publication Matrices Problems And Solution	Mother Theresa Womens University Kodaikanal	1/8/2020
68	Entrepreneurship A Key To Become Atma Nirbhar	Jayawantrao Sawant Institute Of Management And Research Pune	1/8/2020
69	Demonstration Of Online Educational Tools	Adikavi Nannaya University	03-08-2020 To 04-08-2020
70	Non Orthogonal Multiple AccessAnd Fundamentals And Academic Industry Perspectives	Rise Krishna Sai Prakasam Group Of Institutions Ap	8/8/2020
71	Grid Tie Inverter Design	SJB Institute Of Technology And Pantech Solutions	12-08-20202

72	Choosing The Right Processor For Embedded Application	KL University Vijayawada And Pantech Solutions	13-08-2020
73	Emerging Growth Of Virtual Reality And Augmented Reality	KSRM College of Engineering Kerala And Pantech Solutions	14-08-2020
74	Federal Governance In India Contemporary Dimensions And Dynamics	Adikavi Nannaya University Msn Campus Ap	20-08-2020
75	NAAC Assessment And Accreditation Process And Awareness About The NEP 2020	Sri Padmavathi Mahila Viswa Vidyalayam Ap	26-08-2020
76	Outcome Based Education	Tech Edu Teacher	29-08-2020
77	Managing Career, Stress And Anxiety During And After COVID -19	Adikavi Nannaya University	3/9/2020
78			
79	Transforming The Future Of Education The Role Of Teachers Students And Parents	Lead India Foundation	5/9/2020
80	National Educational Policy 2020 :Transformational Reforms In Educational System In India	University College Of Education Adikavi Nannaya University	5/9/2020

Projects proposed to funding agencies: 1(one)

Work: Optimize the problems in Telecommunication at the International borders in India.
Authority: Ministry of Communication, Department of Telecommunication, India.
Reference: Letter received from Department of Telecommunication, India to the Registrar, AKNU
Status: No response from DOT

Any other relevant work:

- Worked as Course Coordinator from 19th Feb 2019 to 07th Mar 2022.
- Co-Convener for ADVIKA -2019 (National level Tech Fest).
- Convener for ADVIKA -2021(National level Tech Fest).
- Supporting work to the Unnath Bharat Abhiyan(UBA) for University.
- Handle the AICTE work for UCE.
- NAAC criteria –IV member in University level.
- ISO related work in the Department.

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