Name: **B. Alekhya**

Designation: Assistant Professor Department: ECE

Mail ID: alekhya_v@vnrvjiet.in

Experience(inyears):11 years Teaching: 11 years Research:1 year   Others
(if any,specify):

1. Educational / Technicalqualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	M.Tech.	2013	VLSI Design
2	B.Tech.	2010	E C E
3	Secondary (10+2)	2006	M.P.C
4	10th	2004	S S C

2. Teaching andLearning:

2.1. Teaching Interests: Electro Magnetic Waves & Transmission Lines, Microwave Engineering, Electronic Devices & Circuits.

2.2 Novel Teaching & Learning Techniques adopted: POGIL, WIT & WIL

2.3 Involvement in curriculum updating / Design: Actively involving in the designing of course structure of B.Tech and M.Tech (VLSI)

3. Co-curricular and Extra-CurricularActivities

3.1. Interests and Hobbies: Reading Books, Watching TV

3.2. CCA/ECA Organized: Organized various certificate courses like IOT for Students.

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: Mentoring students and monitoring their progress in attendance as well in performance.

3.5. Committees involved in: Nil

Department level: Nil

Institute Level: Nil

4. Conference / Workshop / Seminar / GuestLectures:

4.1. Conducted: 2

4.2. Attended: 06

S.No	Title of the Programme/Course	Duration	Organized by
1	Research trends in VLSI	5 Days	NITTTR, Chandigarh-160019(India)
2	Embedded UVM Open SourceEmulation& Functional Verification	10 Days	NIT Patna & VNR VJIET
3	Cyber Security	5 Days	VNRVJIET.
4	professional Development Program on AI & ML	5 Days	VNR VJIET
5	VNR Initiatives & Awareness on OBE (Outcome Based Education)	6 Days	VNR VJIET

6	Recent Trends in Antenna Design & Applications	12 Days	NITW

5.Academic Contribution and Research &Consultancy:

5.1. Invited Lectures: NIL

5.2. Articles/Chapters published in Books: NIL

5.3. Books published as single author or as editor:

5.4. Projects Guided:

         a) UG:10 PG:00

5.5. Research Interests: Nano Electronics

5.6. Ph.D students:Enrolled:NIL

         a) Submitted:NIL

         b)Awarded:NIL

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Efficient Implementation of Human FPGA Video Stream Detection	Alochana Chakra Journal	ISSN NO:2231-3990	6.3	International
2	Lossless Implementation of NAND Flash Memory Architecture Using Product Code Schemes	International Journal of Advanced Research in Electronics and Communication Engineering, Volume 2, Issue 12, Dec 2013, pp. 976-980.	ISSN 2278-909X.	7.529	International
3	A Novel architecture for an efficient implementation of 2D-DWT	International Journal Of Advanced Research In Electronics And Communication Engineering, Volume 2, Issue 12 Dec 2013, pp. 981-985.	ISSN 2278-909X	7.529	International
4	Synthesizable IP Cores of Low-Cost Peripherals for	International Journal of Engineering Research and	ISSN: 2278 0181.	7.87	International

	Embedded SOC Applications.	Technology, Vol. 4, Issue 2, pp. 568-572.			
5	Efficient Method of Power Saving Topologically – Compressed with 21- Transistors Flip- Flop,	International Journal 0f Scientific Engineering and Technology Research, Vol. 6, Issue .02, Pages :0216-0222.	ISSN: 2319-8885.	7.2	International
6	Analysis of different CMOS Adders using 90nm and 180nm Technology.	International Journal of innovations in Engineering and Technology Research, Vol. 6, Issue .02, Pages :0216-0222.	, ISSN: 2319-1058.	7.24	International
7	Implementation of different 8-bit Full Adders, ISSN: 2319-058.	International Journal of innovations in Engineering and Technology Research, Vol. 6, Issue .02, Pages :0216-0222.	ISSN: 2319-058.	7.24	International
8	Reducing the Leakage Power in CMOS Circuit by using Biasing and Body Biasing Modes Adders	in International Journal of Advances Technology and Innovative Research, Vol. 09, Issue .01, Pages :0100-0106 ,	ISSN: 2348-2370	6.5	International
9	Efficient Implementation of Human FPGA Video Stream Detection	Alochana Chakra Journal	ISSN: 2231-3990	5.0	National

10	Development of a Modular L-Band Profiler for Atmospheric Boundary Layer and Precipitation Studies	Scoopus-International Journal of Mechanical Engineering	ISSN:09 74-5823	9	Intrnational
11	Artificial Intelligence based Prediction and Detection of Corona Virus	International Journal of Engineering Inventions	ISSN:23 19-6491	6.5	international
12	Artificial Intelligence Techniques forPrevention of Cyber Attacks and Detection of Security Threats	International Journal of Engineering Research and Applications	ISSN:22 48-9622	6.8	International
13	Machine Learning Techniques to Predict, Forecast and Diagnosis of Covid -19	International Research Journal of Modernization in Engineering Technology and Science	ISSN:25 82-5208	7	international

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	"On the Performance Characteristics of different 8-bit full adders".	VSPICE-2K15UCEK" JNTUK Kakinada.	International	Dec 2015
2	Imaging Using Phase codedComplimentary code pairs	IEEE	International	Marh 2020

6. **Awards / Honors received:**

7. **Motto:** Do good and good will come to you, think positive in every situation.