

FACULTY PROFILE



1. **Name** : Kotha Lavanya
2. **Designation** : Assistant Professor
3. **Department** : ECE
4. **Date of Joining** : 06/08/2005
5. **Nature of Employment:** Regular
6. **Date of Birth** : 22/06/1981
7. **Unique ID (AICTE FID)** : 1-424565080
8. **Email** : lavanyasudeep@gmail.com
9. **Phone** : 9490607600
10. **Address for communication:** Flat No.201,M.K.Residency,Santhinagar 1st Road, ELURU-7.

11. Educational Qualifications:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
PG	Sir CRR College of Engineering	Andhra University	VLSI	2014	First Class with Distinction
UG	Sir CRR College of Engineering	Andhra University	EIE	2002	First Class
Inter/Diploma	Helapuri Residential Junior College	Board of Intermediate Education	MPC	1998	First Class
SSC	Sri Vani Nikethan	Board of Secondary Education		1996	First Class

12. Work Experience:

Teaching:16 Research: Nil Industry: Nil Total:16

Name of the Organization	Designation	Date From	Date To
Sir CRR College of Engineering	Assistant Professor	06/08/2005	Till Date

13. Courses taught:

S.No.	Name of the subject	UG/PG
1.	Linear Integrated Circuits & Applications	UG
2.	Electronic Measurements & Instrumentation	UG
3.	Computer Networks	UG
4.	Electronic Circuit Analysis	UG
5.	Digital System Design	PG
6.	CPLDs & FPGAs Architecture and Applications	PG
7.	Principles of Economics & Management	UG
8.	Bio Medical Instrumentation	UG
9.	Electronic Devices and Circuits	UG

14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1.	Department Library Incharge	Department level
2.	Course Coordinator	Department level
3.	NBA Criteria 7 member	Department level
4.	$\frac{3}{4}$ B.Tech (C/S) Attendance Incharge	Department level

15. Research Guidance:

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
2	-		

Research Publications in Journals (National/International):

S.No.	Author(s) Name	Title of the Paper	Name of the Journal	National/ International	Month & Year	Volume, Issue No, Page Nos	UGC/ Web of Sciences/ Scopus / SCI/Others
1.	K.Lavanya	Design of 8-bit Ripple Carry Adder using Constant Delay Logic	IJECS	International	Oct, 2014	Vol.2, Issue 8, 9, Page No. 32-37	UGC
2	K.Lavanya	Piezoresistive Detector for A MEMS Accelerometer Displacement Sensing.	IJEAR	International	Jan, 2014	Vol 4, Issue SPL-1, Page No. 116-118	Others
3.	K.Lavanya	Implementation of Efficient FIR Filter using Approximate Compressors.	IJSETR	International	Sep, 2016	Vol.05, Issue.26, Page No: 5326-5330	Others
4.	K.Lavanya	VLSI Architecture for Differential Manchester Encoding for DSRC Applications	IJVDCS	International	Aug, 2016	Vol.No.04, Issue No.08	Others
5.	K.Lavanya	Performance Evaluation of	Journal of Critical	International	Aug 2019-	ISSN-2394-5125, Vol	Scopus

		10T SRAM Cell Structures at Adiabatic technique	Reviews		20	7, Issue 17	
6.	K.Lavanya	3D Analytical Modeling Of Surface Potential And Threshold Voltage Model Of Dm Fintfet With Dual Hetero Gate Oxide Structure	Turkish Journal of Computer and Mathematics Education	International	April 2020-21	Vol.12.No.2, Page No.1245-1259	Scopus
7.	K.Miranji, K.Lavanya	Simulation Approach to Design High Sensitive NEMS Based Sensor for Molecular Bio Sensing Applications	European Journal of Molecular & Clinical Medicine	International	Mar 2020-21	ISSN 2515-8260 Volume 08, Issue 03, Page No.1730-1738	Scopus

17. Research Papers in Conferences (National/International):

S.No.	Author(s) Name	Title of the Paper	Name of the Conference/Journal	National/International	Month & Year	Page Nos
1.	K.Lavanya	Design of 8-bit Ripple Carry Adder using Constant Delay Logic	International Conference on Electrical, Electronics and Computer Engineering(ICEECE)	International	October, 2014	7-12
2.	K.Lavanya	Implementation of Efficient FIR Filter using Approximate Compressors for Multiplication	International Conference on Advances in Sciences, Engineering & Management	International	Sep, 2016	1-5
4.	K.Lavanya	Piezoresistive Detector for A MEMS Accelerometer Displacement Sensing.	National Conference on Innovations in Intelligent Instrumentation and Control Systems	International	Jan, 2014	
5	K.Lavanya	Design and Analysis of Low Power Sram Cells	International Conference on Advanced Communication Technologies(ICACTION)	International	April 2018-19	177-182
6	K.Lavanya	Smart Gloves To Convert Sign to Speech for	2 nd National Conference on "Artificial	National	July, 2021	39

		Mute Community	Intelligence & Machine Learning			
--	--	----------------	---------------------------------	--	--	--

18. No of Books Published:

S.No.	Author(s) Name	Title	Publisher	ISBN	Year of Publishing
-	-	-	-	-	-

19. Workshops/ FDPs/STTPs /etc., (Organised):

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1.	A Three Day Workshop on "SCILAB FUNDAMENTALS"	Sir CRR College of Engineering	28/01/2019	30/01/2019
2.	Sensors Interfacing Through ARDUINO	Sir CRR College of Engineering	28/11/2019	1/12/2019

20. Workshops/ FDPs/STTPs/ etc., (Attended):

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1.	FDP on Recent Trends in Communications, VLSI & Embedded Systems	Dept.of ECE, Sir C R Reddy college of Engineering	27.07.2021	31.07.2021
	1. Web development With Python	Online	27-07-20	06-08-20
2.	Advances in power switching converters for renewable Energy sources and fuel cell technology for E-Vehicles	Online	01-06-2020	05-06-2020
3.	Research Trends in signal processing, Antennas ,VLSI and IoT	Sri Vasavi Engineering College, Tadepalligudem	28-05-2020	30-05-2020
4.	Internet of things :Multimedia Technologies	Coursera course	4 -weeks	
5.	Online course on Programming for Everybody (Getting Started with Python)	Coursera course	7-weeks	
6.	Online course on AI for Every One	Coursera course	4 -weeks	
7.	Online Course on "Introduction of IoT and Embedded Systems"	Coursera course	6 Weeks	
8.	Online Course on "Understanding Research	Coursera course	7 Weeks	

	Methods”			
9.	Online Course on “ Write Professional Emails in English”	Coursera course	4 Weeks	
10.	Bio-Medical Signal Processing and Applications	AICTE Sponsored Two week FDP - SIRCRRCOE	18-05-2019	20-05-2019
11.	A 3 Day FDP on " IoT with Artificial Intelligence"	SIRCRRCOE	27-05-20	29-05-20
12.	FDP on"Tools for Online Classroom"	CODEGNAN,Vijayawada(Online)	18-05-20	20-05-20
13.	FDP on "Research Trends in Signal Processing,Antennas,VLSI & IoT	Sri Vasavi Engineering College(Autonomous) (Online)	28-05-2020	30-05-2020
14.	A 5 Day FDP on”Trends in Communication”	SIRCRRCOE(Online)	26-05-20	30-05-20
15.	National Level FDO on”Tools for Online Classroom Post Covid-19”	P.B.Siddhartha College of Arts & Science,Vijayawada (Online)	26-05-20	30-05-20
16.	Bio-Medical Signal Processing and Applications	Online	18-05-20	20-05-20
17.	FDP on 3D Modelling of Electromagnetic Systems using ANSYS RF Tools	SIRCRRCOE	09-09-2016	10-09-2016
18.	Workshop on MATLAB for Engineering Applications	SIRCRRCOE	19-08-2016	20-08-2016
19.	Workshop on IC Design Flow using Mentor Graphics	SIRCRRCOE	05-08-2016	06-08-2016
20.	Workshop on PLC Programming and Applications	SIRCRRCOE	01-03-2015	01-03-2015
21.	Workshop on Composites & Nano Materials	SIRCRRCOE	11-03-2009	12-03-2009
22.	Workshop on Industrial Automation	SIRCRRCOE	09-02-2009	10-02-2009
23.	Workshop on Soft Skills	SIRCRRCOE	15-07-2007	17-07-2007
24.	Workshop on Recent Trends in Bio Medical Applications	SIRCRRCOE	10-08-2007	11-08-2007
25.	FDP on Instructional Design and Delivery	SIRCRRCOE	12-06-2006	17-06-2006
26.	Workshop on “Space Dynamics”	Sir C R Reddy Autonomous College	04-10-17	06-10-17

21. Sponsored Projects:

S.No.	Title	Sponsored by	Amount	Period	Ongoing/
-------	-------	--------------	--------	--------	----------

					Completed
-	-	-	-	-	-

22. Consultancy Projects:

S.No.	Title	Agency	Amount	Period	Ongoing/ Completed
-	-	-	-	-	-

23. No of Patents (Filed/Granted):

S.No.	Title	Application Number	Year	Filed/Granted
-	-	-	-	-

24. Awards/Honours Received:

S.No.	Award Name	Awarded by	Contribution	Date Received
-	-	-	-	-

25. Professional Memberships:

S.No.	Name of the Professional Body	Membership No.	Membership Type
1.	IETE	1172 867 305	MIETE
2.	IE	AM-1756675	AMIE

26. Membership in BOS/ Editorial Boards:

S.No.	Name of the University/ Journal	Member/ Editor/ Reviewer	Period
-	-	-	-

27. Details of Personal Blogs/ Educational Youtube Channels/ e content (if any):

Subject: Electronic Measurements and Instrumentation (EMI):

https://www.youtube.com/playlist?list=PL67Nrt50PIWIkriC_4MCEHJ6T0R327_ba

28. Details of Innovative Design/ Development of Product or Model (if any): NIL

29. Technology Transfer:

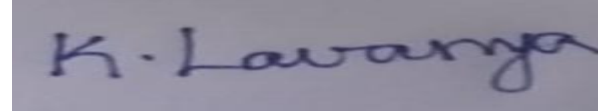
30. Special Achievements (If any): NIL

31. Personal Details:

(a) Father's Name : Kotha Bhaskar Rao

(b) Mother's Name : Kotha Kousalya Devi
(c) Gender : Female
(d) Marital Status : Married
(e) Religion : Hindu
(f) Nationality : Indian

Signature:

A rectangular box containing a handwritten signature in blue ink that reads "K. Lavanya".