

FACULTY PROFILE

1. **Name** : M VAMSI KRISHNA ALLU
2. **Designation** : ASSISTANT PROFESSOR
3. **Department** : Electronics & Communication Engg.
4. **Date of Joining** : 28.09.2005
5. **Nature of Employment** : Regular
6. **Date of Birth** : 11.08.1983
7. **Unique ID (AICTE FID)** : 1-425526751
8. **Email** : allu.vamseekrishna@sircrrengg.ac.in
9. **Phone** : 9396948466
10. **Address for communication:** D.No: 20B-2-68; Gandhi Nagar;
Kumar Sekhar Street; ELURU – 534002
Andhra Pradesh



11. Educational Qualifications:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
PG	Sir C R Reddy College of Engineering, Eluru	ANDHRA University	VLSI	2014	Distinction
UG	VEL-TECH Engineering college, Chennai	MADRAS University	Electronics and Instrumentation Engineering	2004	Distinction
Inter/Diploma	S.M.V.M polytechnic, Tanuku	State Board Of Technical Education	Electronics and Instrumentation Engineering	2001	First Class
SSC	St. Xavier's High School Eluru	State board of Secondary Education	-----	1998	Second Class

12. Work Experience:

Teaching: 15 years 11months Research: 0 Industry: 0 Total: 15years 11months

Name of the Organization	Designation	Date From	Date To
Sir C R Reddy College of Engineering, Eluru	Assistant Professor	28.09.2005	Till Date

13. Courses taught:

S.No.	Name of the subject	UG/PG
1.	Microprocessor and Microcontrollers	UG
2.	Digital IC Applications	UG
3.	Switching Theory and Logic Design	UG
4.	Linear IC Applications	UG
5.	Electronic Devices and Circuits	UG

6.	Network Theory	UG
7.	Network Analysis	UG
8.	Elements of electronics Engineering	UG
9.	CMOS Analog IC Design	PG
10.	CMOS Mixed Signal Circuit Design	PG
11.	CPLD and FPGA Architectures and Applications	PG
12.	Analog IC Design	PG
13.	Transducers	UG

14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1.	Internal Examination	Department Level
2.	R&D Cell Member	Department Level
3.	Electronics Hobby Club Member	Department Level
4.	Counselling in-charge	Department Level

15. Research Guidance:

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
3	0		

16. 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.	M Vamsi Krishna.Allu et.all	Simulation approach to design high sensitive NEMS based sensor for molecular Bio-Sensing Applications	International	European Journal of Molecular and Clinical Medicine ISSN: 2515-8260	2021	8 3 1730-1738	Scopus
2	M Vamsi Krishna.Allu et.all	3D Analytical Modeling of Surface Potential and Threshold Voltage Model of DM Finfet With Dual Gate Oxide Structure	Trukish Journal of Computer and Mathematics Education	International	2021	Vol.12 No.2 1245-1259	Scopus
3	M Vamsi Krishna.Allu et.all	Review on Novel –corona Virus: Defesive	International	ISSN 2692-5877 DOI:	2021	12 3 1-6	Scopus

		measures and Natural medicine to protect ourselves		10.46998/IJCM CR.2021.12.000 28			
4	M Vamsi Krishna.Allu et.all	Performance Evaluation Of 10T SRAM Cell Structures At Adiabatic Technique	Journal of critical reviews (JCR)	International	Aug 2020	Vol.7, issue 17, ISSN-2394-5125	Scopus
5	M Vamsi Krishna.Allu et.all	Comparative analysis of lead-free piezoelectric material for ultrasonic glucose sensing applications	Jour of Adv Research in Dynamical & Control Systems	International	April 2019	Vol. 11, issue-02 Issue, 2019 Pp:11 10-1116	Scopus
6	M Vamsi Krishna.Allu et.all	Design of decimal or binary multi-operand adder using a fast binary to decimal converter	IJRSE	International	Sep 2016	PP:24 54-9665, Vol-2, Issue-9, sep 2016 Impact factor 0.998	Others
7	M Vamsi Krishna.Allu et.all	Design of Low Power Scalable Digital Comparator Using Parallel Prefix Tree	IJECS	International	2014	PP:23 47-2820 vol-2, issue-8,9; 2014	Others
8	M Vamsi Krishna.Allu et.all	Piezoresistive Detector for a MEMS Accelerometer Displacement Sensing	IJEAR	International	Jan-June 2014	PP:23 48-0033 vol-4, issue-spl-1, Jan-June 2014	Others
9	M Vamsi Krishna.Allu et.all	Design and simulation of MEMS capacitive Accelerometer	International Journal of Electronics and Communica	International	2012	PP:23 3- 236 vol-2, issue-1; 2012	Others

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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	M Vamsi Krishna.Allu et.all	Personal Monitoring And Emergency Response Device	2nd NATIONAL CONFERENCE ON "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING"-	national-	2021	25
2	M Vamsi Krishna.Allu et.all	Mesochronous Dual Clock FIFO Buffer	2nd NATIONAL CONFERENCE ON "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING"	national	2021	20
3	M Vamsi Krishna.Allu et.all	Low power full adders by exploring new XOR- and	ICACT 2019	international	2019	105
4	M Vamsi Krishna.Allu et.all	Design of decimal or binary multi-operand adder using a fast binary to decimal converter	International Conference on Recent Innovations in Science Engineering and Management (RISEM)	International	16 th September 2016	
5	M Vamsi Krishna.Allu et.all	Design of Low Power Scalable Digital Comparator Using Parallel Prefix Tree	International Conference on Electrical Electronics and Computer engineering (ICEECE)	International	12 th October 2014	
6	M Vamsi Krishna.Allu et.all	Piezoresistive Detector for a MEMs Accelerometer Displacement Sensing	National Conference on Innovations in Intelligent Instrumentation and Control Systems	National	24 th & 25 th January 2014	

18. No of Books Published:

S.No.	Author(s) Name	Title	Publisher	ISBN	Year of Publishing
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19. Workshops/ FDPs/STTPs /etc., (Organised):

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	Sensors Interfacing Through Arduino	ECE Dept. Sir CRR college of engineering Eluru	28.11.2019	01.12.2018
			10.12.2018	11.12.2018
2	6-Days Workshop on Introduction to Embedded Systems	ECE Dept. Sir CRR college of engineering Eluru	16.10.2017	24.10.2017
3	4-days workshop on ARM and Raspberry Pi	ECE Dept. Sir CRR college of engineering Eluru	9.10.2017	12.10.2017
4	6-Days Workshop on Arduino Programming and Sensors Interfacing	ECE Dept. Sir CRR college of engineering Eluru	21.09.2017	22.09.2017
			05.10.2017	06.10.2017
			13.10.2017	14.10.2017
5	6-Days Workshop on Arduino Programming and Sensors Interfacing	ECE Dept. Sir CRR college of engineering Eluru	18.01.2017	19.01.2017
			30.01.2017	31.01.2017
			08.02.2017	09.02.2017
6	6-Days Workshop on Arduino Programming and Sensors Interfacing	ECE Dept. Sir CRR college of engineering Eluru	16.02.2016	18.02.2016
			22.02.2016	24.02.2016
			29.02.2016	02.03.2016

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	AICTE Training And Learning (ATAL)Academy Online FDP on "Embedded Design and Development using Free / Open Source Tools"	Centre for Development of Advanced Computing (C-DAC) Thiruvananthapuram	09/08/2021	13/08/2021
2	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
3	AICTE Training And Learning (ATAL)Academy Online FDP on "VLSI Design, Verification and Testing"	Government Engineering College, Rajkot	07.06.2021	11.06.2021
4	AICTE Training And Learning (ATAL)Academy Online FDP on "Internet of Things (IoT)"	Birla Vishvakarma Mahavidyalaya Engineering College. Vallabha Vidyanagar, Gujarat.	14.12.2020	18.12.2020

5	AICTE Training And Learning (ATAL)Academy Online FDP on "Internet of Things (IoT)"	Indian Institute of Information Technology Kottayam.	07.12.2020	11.12.2020
6	AICTE Sponsored One Week Online Short Term Training Program (STTP) ICT Tools for Engineering College Teaching and Outcome Based Learning	Raghu Institute of Technology, Vizag	09.11.2020	14.11.2020
7	AICTE Sponsored One Week Online Short Term Training Program (STTP) "Innovative Teaching and Learning Methods for Inspiring Students"	Dept. of ECE, SRKR Engineering College. Bhimvaram	12-10-2020	17-10-2020
8	FDP on 'Designing the Paradigm for Schematic Learning - A Learner Centric Approach',	Vignana Jyothi Institute of Management , bachupally , Hyderabad	14.08.2020	14.08.2020
9	Faculty Development Program on "Recent Trends in Nano Electronic Devices"	Department of Electronics and Communication Engineering, Anurag University Hyderabad, Telangana	13.07.2020	17.07.2020
10	FDP Recent Trends in Computer Architecture, VLSI and Embedded Systems	Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad (Online)	08-06-2020	13-06-2020
11	A Five Day National Level Online Faculty Development Program "Skill Development for Effective Research and Teaching - Learning Process"	Anil Neerukonda Institute of Technology and Sciences, Visakhapatnam (Online)	08-06-2020	12-06-2020
12	Online course on AI for Every One	Coursera course	4 -weeks	
13	Online course on Python data structures	Coursera course	7-weeks	
14	Online course on Programming for Everybody (Getting Started with Python)	Coursera course	7-weeks	
15	Research Trends in signal processing, Antennas ,VLSI and IoT	Sri Vasavi Engineering College, Tadepalligudem	28-05-2020	30-05-2020
16	ARTIFICIAL INTELLIGENCE	Brain O Vision in association with IT	22-05-2020	26-05-2020

		department, Sir C R Reddy College of Engineering, Eluru		
17	"Artificial Intelligence and Machine Learning"	Black Buck Engineers in association with CMR Technical Campus ,Hyd (online)	18-05-2020	22-05-2020
18	" Tools for Online Classroom Post Covid-19"	Codegnan IT solutions in association with PB Siddhartha College of Arts & Science and Computer Society of India, Vijayawada	18-05-2020	20-05-2020
19	"IEEE Xplore Digital Library: Delivering Research Better Than Ever"	IEEE Education Society Chapter of IEEE Hyderabad Section	05.04.2020	05.04.2020
20	Awareness of Publication Ethics and Anti-Plagiarism Tools for Thesis Writing	Ramchandra college of engineering , Eluru	07.03.2020	07.03.2020
21	IEEE, CASS Membership Development workshop on Advance internet of Things with Machine Learning	Raghu institute of Technology, Visakhapatnam	12.12.2019	14.12.2019
22	AICTE sponsored Two-Week FDP on Bio-Medical signal Processing and Applications	Sir CRR College of Engineering, Eluru	01.11.2019	14.11.2019
23	Outcome Based Pedagogic Principles for Effective Teaching	NPTEL,IIT, Kharagpur	(4week Course) 27.08.2018	27.09.2018
24	Switching Circuits and Logic design	NPTEL,IIT, Kharagpur	(12Weekcourse) 30.07.2018	24.10.2018
25	Instructional Design and Delivery System	Sir CRR College of Engineering, Eluru	04.12.2017	09.12.2017
26	National workshop on Space Dynamics	Sir CRR College(Aided & Autonomous),Eluru	4.10.2017	6.10.2017
27	Two days National Workshop on FPGA Based system design Using Verilog	Sir CRR College of Engineering, Eluru.	06.10.2017	07.10.2017
28	Introduction to Research	NPTEL, IIT, Madras	(8 Week Course) 24.07.2017	14.09.2017
29	A Two day National Level Workshop on "Research Methodologies"	Ramachandra College of Engineering, Eluru	03.02.2017	04.02.2017
30	3D Modeling of Electromagnetic systems using ANSYS RF tools	Sir CRR College of Engineering, Eluru.	09.09.2016	10.09.2016
31	Two-Day Work shop on "IC design flow using Mentor graphics"	Sir CRR College of Engineering, Eluru.	05.08.2016	06.08.2016
32	A Three Days Workshop on "Communication Systems Measurement Setup and	Sir CRR College of Engineering, Eluru.	11.07.2016	13.07.2016

	testing			
33	PLC Programming & Applications	Sir CRR College of Engineering, Eluru.	01.03.2015	01.03.2015
34	Two Day National Level Workshop on “Fuzzy Logic and Artificial Neural Networks (FLANN)”	Sir CRR College of Engineering, Eluru.	18.02.2011	19.02.2011
35	Two Day National Level Workshop on “Industrial Automation”	Sir CRR College of Engineering, Eluru.	09.02.2009	10.02.2009
36	Two Day National Level Workshop on “Recent trends in Bio-Medical Applications”	Sir CRR College of Engineering, Eluru.	10.08.2007	11.08.2007
37	FDP on Instructional Design and Delivery (6-Days)	NITTTR, Chennai Government of India ministry of human resource development	12.06.2006	17.06.2006

21. Sponsored Projects:

S.No.	Title	Sponsored by	Amount	Period	Ongoing/Completed
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22. Consultancy Projects:

S.No.	Title	Agency	Amount	Period	Ongoing/Completed
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23. No of Patents (Filed/Granted):

S.No.	Title	Application Number	Year	Filed/Granted/Published
1	An IOT based health monitoring system	202041042417	09.10.2020	Filed & Published

24. Awards/Honours Received:

S.No.	Award Name	Awarded by	Contribution	Date Received
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25. Professional Memberships:

S.No.	Name of the Professional Body	Membership No.	Membership Type
1.	IEEE	96123853	Member

2.	The Institute of Engineers(India)(IEI)	M-153782-7	Member
3.	The Institute of Electronics and telecommunication Engineering (IETE)	M-500589	Member
4.	Indian Society for Technical Education (ISTE)	LM- 53238	Life Member

26. Membership in BOS/ Editorial Boards:

S.No.	Name of the University/ Journal	Member/ Editor/ Reviewer	Period
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27. Details of Personal Blogs/ Educational YouTube Channels/ e content (if any):

For subject: Digital IC Applications (DICA)

<https://youtube.com/playlist?list=PLUEnStKU07jLG-BA0bpNZwoWGFjrFG4SZ>

For subject: Microprocessors and Microcontrollers (MPMC)

<https://youtube.com/playlist?list=PLuF035npMbzW8gFh2fEcVEpL501ArtDe>

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

29. Technology Transfer: ---

30. Special Achievements (If any):

31. Personal Details:

- (a) Father's Name : A. Pandu Ranga Rao
(b) Mother's Name : A. Sri Gowri
(c) Gender : Male
(d) Marital Status : Married
(e) Religion : Hindu
(f) Nationality : Indian

A. Vannurthi

Signature