

## FACULTY PROFILE

1. **Name** : RAM KUMAR ADIREDDI
2. **Designation** : Assistant Professor
3. **Department** : ECE
4. **Date of Joining** : 27-08-12
5. **Nature of Employment:** Regular
6. **Date of Birth** : 05-06-1985
7. **Unique ID (AICTE FID)** : 1-1372252644
8. **Email** : ramkumar434@sircrrengg.ac.in
9. **Phone** : 7036871428
10. **Address for communication:** A . RAM KUMAR, FLAT NO: 502, ARUNA DEVI APARTMENT , KKR GREEN CITY,MINI BYPASS ROAD , ELURU,PIN : 534001



### 11. Educational Qualifications:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
PG : M.TECH	SCET,NARASAPU RAM	JNTU Kakinada	VLSISD	2012	First Class
UG: B.TECH	SCET,NARASAPURA M	JNTU Hyderabad	ECE	2007	First Class
Inter/Diploma	NARAYANA JUNIOR COLLEGE,VIJAYAWA DA	IBE ,AP	MPC	2002	First Class
SSC	M.R.K.Z.P. HIGH SCHOOL	SSC Board	---	2000	First Class

### 12. Work Experience:

Teaching: 09 years      Research: --      Industry: --      Total: 09

Name of the Organization	Designation	Date From	Date To
Sir C R Reddy College of Engineering , Eluru	Assistant Professor	27-08-2012	Till Date

### 13. Courses taught:

S.No.	Name of the subject	UG/PG
1.	Probability theory and Random processes	UG
2.	Information theory and coding	UG
3.	Analog Communications	UG
4.	Cellular Mobile communications	UG
5.	Digital System Design	UG
6.	CPLD & FPGA	PG
7.	VHDL modelling for digital systems	PG

#### 14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1.	NBA Work	Department level
2.	Class Teacher	Department level
3.	Counselling In charge	Department level

#### 15. Research Guidance:

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
12	01	--	--

#### 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	R. Satish, miranji katta, ramkumar adireddi	a preliminary review on novel coronavirus disease	bentham science publishers, accepted: May 20, 2020,	International	2019-20	vol. 1, no. 1, 2666-7967/20. doi: 10.2174/2666796701999200615155630 coronavirus uses,	SCOPUS
2	A.Ram Kumar	multi-threshold voltage transistor logic and gate diffusion input based alu for power efficient processors	science, technology and development journal ugc care approved journal issn	International	JULY 2019-20	issn no: 0950-0707X	OTHER
1	A.Ram Kumar, Shaik Mubeena, V.Surendra Babu	Triple Data Encryption Standard Architecture	IJSRCS EIT	International	2017-18	2456-3307.4.032	others
1	B.Sanjeev Rao, A.Ram kumar	FPGA implementation of algorithmic	IJECT	International	2017-18		

		counter based 3allace multiplier					
2	E.Bala Krishna , A.Ram Kumar	Design of a novel programmable PRPG for low power vlsi applications	IJRSE	Internation al	2016		
3	A.Pavani, A Ram kumar	Low power test generation by skewed load test cubes based on functional broad side tests	IJVDCS	Internation al	2016		
4	K.Lakshmi Shirisha, A.Ram kumar	Design and implementation of AMBA to AHB bridge	IJSRD	Internation al	2015		
5	E.Jagadeeswara Rao, A.Ram kumar	RTL level CED and correction Technique with run timeAdaptability	IJAEEE	Internation al	2015		
6	. G.Raju, A.Ramkumar	Design and implementation of 32-bit unsigned multiplier using conditional sum adder	IJVDCS	Internation al	2014		
7	. S.Gopi Krishna, A.Ram kumar	Design and implementation of different Quartnary signed digit adder	IJVDCS	Internation al	2014		
8	G.Suresh, A.Ramkumar	Power reduction by guarded evaluation considering logic architecture and using clock gating	IJEEE	Internation al	2013		

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

S.No.	Author(s) Name	Title of the Paper	Name of the Conferenc e/Journal	National/ Internatio nal	Month & Year	Page Nos
1	A.Ram kumar	Design and implementation of AXI to AHB bridge Based on AMBA 4.0	PACE	International	2015	
2	A.Ram kumar	Generation of low power test by merging functional broad side test based skewed load test cubes	ICRTSTM-16	International	2016	

3	A.Ram kumar	Design of a novel Programmable PRPG for low power VLSI applications	RISEM-16	International	2016	
4	A.Ram kumar	IMPLEMENTATION OF MAJORITY LOGIC BASEDCOMPARATOR	ICTACT 2019	international	2019	112
5	A. Ram Kumar, K. Srinivas,	Low Power Approximate Multiplier Design Using Approximate compressors	2nd NATIONAL CONFERENCE ON "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING "	national	2021	21

### 18. No of Books Published: Nil

S.No.	Author(s) Name	Title	Publisher	ISBN	Year of Publishing
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### 19. Workshops/ FDPs/STTPs /etc., (Organised):01

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	SENSORS INTERFACING THROUGH ARDUINO	SIR CRRCOE DEPT OF ECE		

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	Bio medical signal processing and application	AICTE 2 WEEK	1 NOV 2019	14 NOV 2019
1	INTRODUCTION TO RESEARCH	IITM	8 weeks	
2	INTRODUCTION TO INFORMATION THEORY	IITM	8 weeks	

3	OUTCOME BASED PEDAGOGIC PRINCIPLES FOR EFFECTIVE TEACHING	IITK	4 weeks	
4	FPGA based system design using verilog	CRRCOE	06-10-17	07-10-2017
5	Work shop on research methodologies	RAMACHANDRA COLLEGE OF ENGINEERING,ELURU	03-02-2017	04-02-2017
6	IC design flow using mentor graphics EDA tools	CRRCOE	05-08-2016	06-08-2016
7	Workshop on programmable logic controller	CRRCOE	01-03-2015	-
8	ISTE workshop on signals & systems	IIT KHARAGPUR &GVIT	02-01-2014	12-01-2014

### 21. Sponsored Projects: Nil

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

### 22. Consultancy Projects: Nil

S.No.	Title	Agency	Amount	Period	Ongoing/Completed

### 23. No of Patents (Filed/Granted): 01

S.No.	Title	Application Number	Year	Filed/Granted
1	An Electronic circuit based power consumption monitoring system	201941051669	2019	Filed

### 24. Awards/Honours Received: Nil

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	MIETE	M500540	Member
2	IEI	AM 163849-4	Associate Member

**26. Membership in BOS/ Editorial Boards: Nil**

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

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

Edmodo , Google Classroom , Video Classes on College Youtube Channel

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

**29. Technology Transfer: Nil**

**30. Special Achievements (If any):**

1. Qualified in UGC NET- 2012 &2013

**31. Personal Details:**

- (a) Father's Name : A. RAMANJANEYULU  
(b) Mother's Name : A. SATYAVATHI  
(c) Gender : MALE  
(d) Marital Status : MARRIED  
(e) Religion : HINDU  
(f) Nationality : INDIAN

A. Rami Ramani

Signature