

FACULTY PROFILE

1. **Name** : Trinadh Rajanala
2. **Designation** : Assistant Professor
3. **Department** : ECE
4. **Date of Joining** : 27-08-2012
5. **Nature of Employment:** Regular
6. **Date of Birth** : 12-03-1988
7. **Unique ID (AICTE FID)** : 1-1372015909
8. **Email** : trinadhrajanala@sircrrengg.ac.in
9. **Phone** : 8099122490
10. **Address for communication:** H.No. 57-7-20,
Kakatiya Clinic Road,
Postal Colony,
Vijayawada,
Krishna District,
Andhra Pradesh - 520010



11. Educational Qualifications:

Qualification	Institute	University/ Board	Specialization	Year of Passing	Division/ Class
Ph.D.	-	-	-	-	-
PG	Gudlavalleru Engineering College	JNTU Kakinada	Embedded Systems	2011	First Class with Distinction
UG	Sri Sunflower College of Engineering	JNTU Kakinada	ECE	2009	First Class
Inter/Diploma	V.K.R. & V.N.B. Polytechnic College	State Board of Technical Education and Training	DECE	2006	First Class with Distinction
SSC	Vidya Vikas E.M. School	Board of Secondary Education	-	2003	First Class

12. Work Experience:

Teaching: 10 Years Research: Industry: Total: 10 Years

Name of the Organization	Designation	Date From	Date To
VKR, VNB & AGK College of Engineering	Assistant Professor	20-05-2011	04-05-2012
Sir C R Reddy College of Engineering	Assistant Professor	27-08-2012	Till Date

13. Courses taught:

S.No.	Name of the subject	UG/PG
1.	VLSI Design	UG
2.	Embedded Systems	UG
3.	Wireless Sensors & Networks	UG
4.	Computer Networks	UG
5.	Digital Communications	UG
6.	Global Positioning Systems	UG
7.	Wireless Communications & Networks	PG

14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1.	Training & Placements	Department Level
2.	Time Tables	Department Level
3.	Department Development Committee	Department Level

15. Research Guidance:

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
4	-	-	-

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 Trinadh, S.V.Sirisha	Design and Area Optimization of 1KB Memory using 45nm CMOS 6T SRAM Cell	IJAEMA	International	July 2019-20	Vol. 12, Issue - 7, Pg: 2120-2125, ISSN NO:0886-9367	UGC
2.	R Trinadh, P.Murali Babu	Folded Architecture based Carry Skip Adder for M-Bit	JETIR	International	December 2018-19	Impact Factor: 5.87, Vol. 5, Issue - 12, Pg: 128-133, ISSN: 2349-5162	UGC

3.	P.Gopi Krishna, K.Srinivasa Ravi, R.Trinadh, K.Chandrasekh ar, V.Ranjith Kumar	Design and development of smart energy meter for effective use of electricity in IoT applications	IJET	International	March 2017- 18	Vol. 7, Slp Issue - 2.8, Pg: 115-119, ISSN: 2227- 524X	Scopus
4.	P.Hareesh, R.Trinadh, V.Krishnan, G.N.Murthy	Exploiting rising and charge sharing voltage for power management high speed domino circuits.	IJECT	International	March 2014	Impact Factor: 0.675, Vol. 5, Issue spl -3, Pg: 77-80, ISSN: 2230- 7109 (online), ISSN: 2230- 9543	UGC
5.	R Trinadh, G.Narayana Murthy	A design of area and power efficient high speed data path logic system.	IJEEE	International	October 2013	Impact Factor: 0.501, Vol - 3, Issue - 2, Pg: 50- 55, ISSN: 2231- 528.	UGC
6.	R Trinadh, V.Krishnan	A low power new data compression algorithm for wire/wireless sensor network using K-RLE.	IJESS	International	October 2013	Impact Factor: 0.501, Vol -3, Issue - 2, Pg: 81- 87, ISSN: 2231- 5969.	UGC
7.	K.Leela Bhavani, R.Trinadh	Architecture for adaptive rood pattern search algorithm for motion estimation.	IJERT	International	Septem ber 2012	Impact Factor: 0.898, Vol - 1, Issue - 7, Pg: 1-5, ISSN: 2278- 0181.	UGC

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.	R.Trinadh, S.Sujith Kumar, V.Raveendra, V.Ravi Teja, U.Avinash, T.Ganesh Kumar	Simulation and comparison of multiple encryption standard algorithms	National Conference on Artificial Intelligence & Machine Learning	National	July, 2021	Pg: 18
2.	R.Trinadh, Ch.Rishitha	Design of Power Efficient Approximate Multipliers	International Conference on Advanced Communications & Technology	International	May 2019	Pg: 144
3.	T.Venkata Lakshmi, R.Trinadh	A novel design of area and power efficient high speed data path logic system.	International Conference on Systemics, Cybernetics and Informatics	International	July, 2014	Pg: 22- 27
4.	R.Trinadh	Enhanced feature sets for face recognition under difficult lighting conditions.	International Conference on Nanoscience Engineering & Advanced computing	International	July 8- 10, 2011	Pg: 61- 66

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.	Basic Python Programming	Eluru	15-07-2019	20-07-2019

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1.	Recent Trends in Communication, VLSI & Embedded Systems	Eluru	27-07-2021	31-07-2021

2.	Internet of Things (IoT)	Gudlavalleru	07-12-2020	11-12-2020
3.	Opportunities & Challenges in Electronics & Allied Industries in India post COVID-19	Mumbai	25-05-2020	30-05-2020
4.	Introduction to Data Science	Guntur	18-05-2020	22-05-2020
5.	Programming for Everybody (Getting Started with Python)	Online	29-04-2020	26-05-2020
6.	AI for Everyone	Online	29-04-2020	26-05-2020
7.	Internet of Things: Multimedia Technologies	Online	29-04-2020	26-05-2020
8.	CMOS Digital VLSI Design	Online	18-02-2019	13-04-2019

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
1.	An Electronic circuit-based power consumption monitoring system - Elife	201941051669	2019	Filed

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.	IE	AM163850-8	Associate Member
2.	IETE	AM500608	Associate Member
3.	International Association of Engineers	134035	IAENG Member

