

FACULTY PROFILE

1. **Name** : MADAKA. NARENDRA KUMAR
2. **Designation** : Assistant Professor
3. **Department** : ECE
4. **Date of Joining** : 22-06-2006
5. **Nature of Employment** : Regular
6. **Date of Birth** : 02-03-1983
7. **Unique ID (AICTE FID)** : 1-435604818
8. **Email** : kumarvar1985@gmail.com
9. **Phone** : 9490171059
10. **Address for communication:**



D. No: 20E-8-17, Karanam Vari Street, Gandhinagar, Eluru-534002, W.G.Dist

11. Educational Qualifications:

Qualification	Institute	University/Board	Specialization	Year of Passing	Division/Class
Ph.D.	--	--	--	--	--
PG	Sir CRR College of Engineering, Eluru	AU	Communication Systems	2012	First Class with Distinction
UG	BVC Engineering College, Odalarevu	JNTUH	ECE	2004	First Class
Inter/Diploma	ALFA Jr College	Board of Intermediate Education, AP	MPC	2000	First Class with Distinction
SSC	NKV High School	Board of Secondary Education		1998	First Class with Distinction

12. Work Experience:

Teaching: 15Y **Research:** **Industry:** **Total:**

Name of the Organization	Designation	Date From	Date To
Sir C.R.Reddy College of Engineering, Eluru	Assistant Professor	22-06-2006	Till Date

13. Courses taught:

S.No.	Name of the subject	UG/PG
1	Computer Architecture & Organization(AU)	UG
2	Computer Architecture & Organization(JNTU)	UG
3	Analog Electronic Circuits	UG
4	EMF Theory & Transmission Lines	UG
5	Electronic Measurements & Instrumentation	UG
6	Electronic Circuit Analysis	UG

14. Administrative Responsibilities:

S.No.	Description	College/ Department level
1	Anti Ragging Member	College Level
2	External Exams In charge	Department Level
3	Staff Meeting In charge	Department Level
4	Department office In charge	Department Level
5	NBA Criterion Member	Department Level
6	Special Invigilator	College Level

15. Research Guidance:

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
02	NIL	NA	NA

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 Science / Scopus / SCI/Others
1	M. Narendra Kumar K. Anitha, Dr P.RajeshKumar, V. Vamsi Sudheera	Time-of-Flight Measurement for Ultrasonic Sensors using Digital Signal Processing Technique	IJECT(International Journal for Electronics and Communication Technology)	International	Nov 2011	Impact factor: 3.81 Vol. 2, SP-1.(ISSN: 2230-7109 (online) (ISSN:2230-9543 (print)).	Others
2	M. Narendra Kumar K. Anitha, Dr P.RajeshKumar, V. Vamsi Sudheera	High accuracy TOF measurement using DSP techniques for Mobile Robots	IJECT(International Journal for Electronics and Communication Technology)	International	Mar 2014	Impact factor: 3.81 Vol. 5, issue – SP-3 (ISSN: 2230-7109(online) ISSN: 2230-9543(print))	Others
3	M.NarendraKumar, P. Leela Anusha, V. Vamsi Sudheera	OFDM Channel Assignment for Interference Reduction using Rayleigh Fading In Cellular Communication System	IJSETR (International Journal for Science Engineering Technology and Research)	International	Sept 2014	Impact factor: 4.162 Vol.03,Issue.24 (ISSN 2319-8885)	Others
4	M Narendra Kumar , Miranji Katta, Ch JayaPrakash, Surendra Babu Velagaleti , A Mohana Vamsi Krishna	Comparative analysis of lead-free piezoelectric material for ultrasonic glucose sensing applications	Journal of Adv Research in Dynamical & Control Systems. (JARDCS)	International	Apr 2019	Vol.11 Issue:02 PP : 1110-1116	Scopus

5	M Narendra Kumar ; Miranji Katta, R. Spandanalakshmi, Ch JayaPrakash	Static and Dynamic Analysis of CNT Cantilever for NEMS based Application.	Journal of Computational and Theoretical Nanoscience (JCATN)	International	Feb 2020	Vol:17 PP : 1-6	Scopus
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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	K. Anitha, Dr P. RajeshKumar, V. Vamsi Sudheera, M. Narendra Kumar	High accuracy TOF measurement using DSP techniques for Mobile Robots	NCRRECE-2014 (National Conference on Research Issues and Recent Trends in Electronics and Communication Engineering)	National	24/02/2014 To 25/02/2014	
2	K. Anitha, Dr P. RajeshKumar, V. Vamsi Sudheera, M. Narendra Kumar	Development of Hardware and Software for obstacle detection and distance estimation in Mobile Robots	IEEE-ACNCN(IEEE technically Co sponsored conference on Advances in Communication, Navigation, and Computer Networks)	International	17/03/2012 To 18/03/2012	
3	K. Anitha, Dr P. Rajesh Kumar, V. Vamsi Sudheera, M. Narendra Kumar	Digital TOF measurement for Ultrasonic sensor using cross correlation estimation	Raise'12	International	04/01/2012 To 05/01/2012	
4	K. Anitha, Dr P.RajeshKumar, V.VamsiSudheera, M. NarendraKumar	TOF measurement for Ultrasonic Sensor using DSP techniques	ICACCBIE (International conference on Advances in Computer Science, Communication & Bio- Instrumentation Engineering)	International	08/12/2011 To 09/12/2011	
5	M. Narendra Kumar	Enhanced Image Transmission using Turbo codes and 16 QAM with iterative De- Noising	Joint international Conference on Swarm, Evolutionary & Memetic Computing (SEMCCO) Fuzzy and Neural Computing Conference(FANCCO)	International	19/12/2011 To 21/12/2011	
6	M. Narendra Kumar	Smart Customer Query chat BOT with Intelligent Document Training	NCAIM-2021 National Conference on Artificial Intelligence and Machine Learning	National	16/07/2021 To 17/07/2021	

18. No of Books Published:

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

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	A Three day Work Shop on SCILAB Fundamentals.	Sir CRR College of Engineering, Eluru.	23 rd Oct 2017	25 th Oct 2017

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	Entrepreneurship and Atmanirbhar Bharat for Start-up India	AISSMS College of Engineering	07-07-2021	07-07-2021
2	Cyber Security and Incident Analysis (ATAL)	Andhra University College of Engineering	19-07-2021	23-07-2021
3	Challenges & Advances in Communication Systems for 5G	Laki Reddy Bali Reddy College of Engineering	14-06-2021	18-06-2021
4	Recent Advances in Signal Processing	JNTUK	02-08-2021	06-08-2021
5	Recent Trends in Computer Architecture, VLSI and Embedded Systems.	Gokaraju Rangaraju Institute of Engineering and Technology. Hyderabad.	08-06-2020	13-06-2020
6	Internet of Things	APSSDC	24-08-2020	05-09-2020
7	Sustainability Engineering	GMRIT, AICTE Training And Learning (ATAL) Academy	09-09-2020	13-09-2020
8	Robotics	Vikas College of Engineering and Technology., Vijayawadsa.	31-07-2020	02-08-2020
9	Smart Agriculture	Narasaraopeta Engineering College., Narasaraopeta	27-07-2020	01-08-2020
10	Trends in Electronics & Communication Engineering	Sri Vasavi Engineering College. Tadepalligudem.	22-06-2020	26-06-2020
11	Introduction to Web Development	Sri Vasavi Engineering College. Tadepalligudem.	17-07-2020	19-07-2020
12	Lab VIEW for Artificial Intelligence.	Vivekanand Education Society's Institute of Technology. Mumbai	24-07-2020	24-07-2020
13	MEMS based Sensors for Chemical & Biochemical Sensing Applications	Sri Vasavi Engineering College. Tadepalligudem.	15-06-2020	15-06-2020
14	Faculty Awareness on NBA	Mallareddy College of Engineering and Technology., Hederabad	15-06-2020	15-06-2020

15	ICT Tools and Innovative Practices in Education.	Vikas College of Engineering and Technology., Vijayawadsa.	10-06-2020	10-06-2020
16	One week FDP on “OBE – NBA Process”	Narasaraopeta Engineering College., Narasaraopeta	15-05-2020	20-05-2020
17	Effective Engineering Teaching in practice	NPTEL, IIT Madras	JAN 2020	FEB 2020
18	Bio Medical Signal Processing and Applications. (AICTE Sponsored)	Sir CRR College of Engineering. Eluru.	01-11-2019	14-11-2019
19	Programming for Everybody (Getting Started with Python)	COURSERA, Michigan University.	24-04-2020	24-04-2020
20	Electrodynamics	COURSERA, Korea Advanced Institute of Science and Technology	09-05-2020	09-05-2020
21	Understanding Research Methods	COURSERA, University of LONDON	30-04-2020	
22	Online Teaching Tools for Video Lecturing and Digital e-learning”	SIR CR REDDY COLLEGE, Eluru	04-05-2020	08-05-2020
23	Tools for Online Classroom Post Covid-19	PB Siddhartha College of Arts & Science, Vijayawada	18-05-2020	20-05-2020
24	Trends in Communications	Sir CRR College of Engineering. Eluru.	26-05-2020	30-05-2020
25	Artificial Intelligence	Sir CRR College of Engineering. Eluru.	22-05-2020	26-05-2020
26	Research Trends in Signal Processing, Antennas, VLSI & IoT	Sri Vasavi Engineering College. Tadepalligudem.	28-05-2020	30-05-2020
27	Introduction to Research	NPTEL, IIT Madras	AUG 2018	SEP 2018
28	Computer Architecture	NPTEL, IIT Madras	July 2018	Oct 2018
29	Introduction to Research	NPTEL, IIT Madras	AUG 2018	SEP 2018
30	3D Modeling of Electromagnetic systems using ANSYS RF tools	Sir CRR College of Engineering, Eluru.	09-09- 2016	10-09-2016
31	MATLAB for Engineering Applications	Sir CRR College of Engineering, Eluru.	19-08-2016	20-08-2016
32	FPGA based System Design	Sir CRR College of Engineering, Eluru.	28-09-2007	29-09-2007

21. Sponsored Projects:

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

22. Consultancy Projects:

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

23. No of Patents (Filed/Granted):

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

24. Awards/Honours Received:

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

25. Professional Memberships:

S.No.	Name of the Professional Body	Membership No.	Membership Type
1	Member of IETE	M-500592	
2	Member of Institute of Engineers	M-153780-0	

26. Membership in BOS/ Editorial Boards:

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

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

1. <https://youtube.com/playlist?list=PLzEXPredAoAvIejdTCTzpY7ULpQFKpVxn>

2. <https://new.edmodo.com/groups/24-ece-a-and-b-cao-class-ay-2020-21-37492961>

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

--- Nil ----

29. Technology Transfer:

--- Nil ----

30. Special Achievements (If any):

1. Ratified as Assistant Professor from Andhra University
2. Ratified as Assistant Professor from JNT University, Kakinada.

31. Personal Details:

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|--------------------|---|------------------|
| (a) Father's Name | : | M.S. Prakasa Rao |
| (b) Mother's Name | : | M. Sita Ratnam |
| (c) Gender | : | Male |
| (d) Marital Status | : | Married |
| (e) Religion | : | Hindu |
| (f) Nationality | : | Indian |

M. Naendra Kumar

Signature