

## FACULTY PROFILE

1. **Name** : CHEEKATLA.RAVIKUMAR
2. **Designation** : Asst. Professor
3. **Department** : ECE
4. **Date of Joining** : 18-06-2007
5. **Nature of Employment:** Regular
6. **Date of Birth** : 26-04-1974
7. **Unique ID (AICTE FID)** : 1-433886971
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9. **Phone** : 9440396021
10. **Address for communication:**



S/O somasundaram,  
H.No: 1-128, Near RCM Church,  
Devulapalli Post, Via Lakkavaram,  
Jangareddygudem MDL, W. G. Dist., A.P. Pin: 534451

### 11. Educational Qualifications: Yes

Qualification	Institute	University/Board	Specialization	Year of Passing	Division/Class
Ph.D.	NNTUK Kakinada	JNTUK	Communications	Pursuing	--
PG	JNTUK, Kakinada	JNTUK	CC	2005	I
UG	SRKR,Bhimavaram	Andhra University	ECE	2001	II
Inter/Diploma	Sir C R Reddy polytechnic College, Eluru	SBTETE	DECE	1995	I
SSC	RCM High school Darbhagudem	Board of Secondary Education, A.P	--	1989	II

### 12. Work Experience: Yes

Teaching:	Research:	Industry:	Total:
Name of the Organization	Designation	Date From	Date To
Nova college of Engg, Jangareddigudem	Asst. Professor	13/10/2004	17/06/2007
Sir C R Reddy College of Engg., Eluru	Asst. Professor	18/06/2007	Till Date

### 13. Courses taught: Yes

S.No.	Name of the subject	UG/PG
1	AC,DC,DSP,SS,ME,FOC,RVSP,DIP,	UG
2	OFA,CTh,WNT,SWNT	PG

### 14. Administrative Responsibilities: Yes

S.No.	Description	College/ Department level
1	Examination In-charge	Dept.
2	Counseling In-charge	Dept.
3	Labs In-charge	Dept.
4	Ragging duties	College
5	Electrical maintenance In-charge	College

6	NBA co- Coordinator	College
7	NBA criterion Coordinator	Dept
8	Course Coordinator	Dept.

**15. Research Guidance: -Nil-**

M.Tech.		Ph.D.	
Completed	Ongoing	Completed	Ongoing
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**16. Research Publications in Journals (National/International): Yes**

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 Prabhakar, CR Kumar, K Padmaraju	Interleaver optimization by particle swarm Algorithm	International Journal for Technological Research in Engineering 2	International Journal for Technological Research in Engineering 2	2014	Jour of Adv Research in Dynamical & Control Systems, 02-Special Issue, 2019	Scopus
2	KP Ch. Ravi Kumar <sup>1*</sup>	Hard Decision Decoding Performance Improved Using Turbo Product Codes	International Journal of Engineering & Technology 7 (3.12), 228-231	International Journal of Engineering & Technology	2017-18	7 (3.12), 228-231	Scopus
3	P Kranthi, CR Kumar, K Padmaraju	Optimization of the Decoding Performance of Rate $\frac{1}{3}$ Convolutional Code	International Journal of Innovative research and development 3 (8)	International Journal of Innovative research and development	2014	3 (8)	
4	CHRKK Padmaraju <sup>2</sup>	Exit Chart Analysis for Channel Encoder with Security	BBRC 13 (Special Issue Vol 13 No (2) 2020 Pp-00-0), 24	BBRC 13	2019-20	(Special Issue Vol 13 No (2) 2020 Pp-00-0), 24	Scopus
5	KPR Ch. Ravi Kumar	Reduction of Turbo Codes Error Floor Using Structured Interleavers	JARDCS 11 (02-Special Issue), Pages: 1334-1340	JARDCS 11 (	2018-19	02-Special Issue), Pages: 1334-1340	Scopus
6	CR Kumar, K Padmaraj	Hard Decision Decoding Performance Improved Using Turbo Product Codes	International Journal of Electronics, Communication & Instrumentation	International Journal of Electronics, Communication & Instrumentation	2018		

7	VSJCHR KUMAR2	<u>TURBO CODES IN AMC SYSTEMS FOR BLIND IDENTIFICATION</u>	International Journal of Electronics, Communication & Instrumentation	International Journal of Electronics, Communication & Instrumentation	2018- 19		
8	YBCHR KUMAR2	<u>NYQUIST TRANSMISSION IMPROVED BY MULTIPLE TURBO CODES</u>	International Journal of Electronics, Communication & Instrumentation	International Journal of Electronics, Communication & Instrumentation	2018- 19		
9	KP 1CH. RAVI KUMAR	IMPROVED PERFORMANCE OF HARD DECISION DECODING USING TURBO PRODUCT CODES	International Journal Of Electrical, Electronics And Data Communication	International Journal Of Electrical, Electronics And Data Communication	2016		
10	KP 1CH. RAVI KUMAR	DESIGN OF CHANNEL ENCODER WITH SECURITY	International Journal Of Electrical, Electronics And Data Communication	International Journal Of Electrical, Electronics And Data Communication	2016		
11	CRK Tasneem Sultana1	<u>Hard Decision Decoding of Multidimensional Turbo Product Codes Using Iterative Algorithm</u>	International Journal of Innovative Research in Computer and Communication	International Journal of Innovative Research in Computer and Communication	2016		
12	CHRK P.Jwalitha1	Channel Encoding Security Via Puncturing and Pruning	International Journal of Innovative Research in Computer and Communication	International Journal of Innovative Research in Computer and Communication	2016		
13	CHR KUMAR, K PADMARA JU	ANALYZING THE DECODING PERFORMANCE OF RATE $\frac{1}{3}$ CONVOLUTION AL CODE	International Journal of Computer Networking, Wireless and Mobile	International Journal of Computer Networking, Wireless and Mobile	2014		
14	SV Reddy, CR Kumar	Reducing The Error Floors Of Turbo Codes That Use Structured Interleavers	International Journal of Engineering Trends and Technology (IJETT) 4 (9)	International Journal of Engineering Trends and Technology (IJETT) 4 (9)	2013	(IJETT) 4 (9)	
15	VG 1Ch. Ravi Kumar, 2Dr. K.Padma Raju, 3K. N. V. Khasim	<u>Convolutional Code of Rate <math>\frac{2}{3}</math> to Approach the Theoretical Limit Imposed by Shannon's Channel Capacity</u>	IJCST 2 (SP 1), ISSN	IJCST 2 (SP 1), ISSN : 0976- 8491(Online)	2014	: 0976- 8491(Onli ne	

16	VS JAYASAI, CHR KUMAR	TURBO CODES IN AMC SYSTEMS FOR BLIND IDENTIFICATION	IJCST 2	IJCST 2	2013	(SP 1), ISSN	
17	Y BHARGAVI, CHR KUMAR	<u>NYQUIST TRANSMISSION IMPROVED BY MULTIPLE TURBO CODES</u>	International Journal of Engineering Trends and Technology (IJETT) 4 (9)	International Journal of Engineering Trends and Technology	2013	(IJETT) 4 (9)	
18	V Glory, CR Kumar, KP Raju	Design of Robust Turbo Code Interleaver by Differential Evolution and Genetic Algorithms	International Journal of Engineering Trends and Technology (IJETT) 4 (9)	International Journal of Engineering Trends and Technology (IJETT) 4 (9)	2013		
19	KB RANI, CH RAVIKUMAR	Realization of MIMO-OFDM System For Performance Enhancement In High End Applications	International Journal of Engineering Trends and Technology (IJETT) 4 (9)	International Journal of Engineering Trends and Technology (IJETT) 4 (9)	2012		

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

S.No.	Author(s) Name	Title of the Paper	Name of the Conference/ Journal	National/ International	Month & Year	Page Nos
1	CH. Ravi Kumar, Ch. Sai Satya Harshitha	Underwater Image Restoration Using Segmentation Method	2nd NATIONAL CONFERENCE ON "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING"-	national-	2021	23
2	Ch. Ravi Kumar, B. Raja Ram,	Image Encryption Using Chaotic Based Artificial Neural Network	2nd NATIONAL CONFERENCE ON "ARTIFICIAL INTELLIGENCE & MACHINE LEARNING"	national	2021	27
1	CH RAVIKUMAR	Linear block codes reduced sub packetization with catching schemes	ICACT 2019	international	2019	53
2	CH RAVIKUMAR	Optimization of 2G/3G networks for	ICACT 2019	international	2019	206

		improvement of handovers				
3	CH RAVIKUMAR	Coded catching scheme with reduced sub packetization from leanear block codes	ICTACT 2019	international	2019	259
1	Y BHARGAVI, CHR KUMAR	<u>NYQUIST TRANSMISSION IMPROVED BY MULTIPLE TURBO CODES</u>	2013	(IJETT) 4 (9	2013	(IJETT) 4 (9
2	V Glory, CR Kumar, KP Raju	Design of Robust Turbo Code Interleaver by Differential Evolution and Genetic Algorithms	International Journal of Engineering Trends and Technology (IJETT) 4 (9	2013	International Journal of Engineering Trends and Technology (IJETT) 4 (9	2013
3	KB RANI, CH RAVIKUMAR	Realization of MIMO-OFDM System For Performance Enhancement In High End Applications	International Journal of Engineering Trends and Technology (IJETT) 4 (9	2012	International Journal of Engineering Trends and Technology (IJETT) 4 (9	2012
4	CHRK P.Jwalitha1	Channel Encoding Security Via Puncturing and Pruning	International Journal of Innovative Research in Computer and Communication	2016	International Journal of Innovative Research in Computer and Communication	2016

**18. No of Books Published: -Nil-**

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

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To

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

S.No.	Name of the Workshop/ FDP/STTP/ etc.,	Place	Period	
			From	To
1	3D Modelling of Electromagnetic Systems using ANSYS RF-Tools	Sir CRRCOE, Eluru	Sep 09, 2016	Sep 10, 2016
2	MATLAB for Engineering Applications	Sir CRRCOE, Eluru	Aug 19, 2016	Aug 20, 2016
3	National Level Work shop	Sir CRRCOE, Eluru	Feb-2009	

4	National Level Work shop	Sir CRRCOE, Eluru	Nov-2007	
5	National Level Work shop	Sir CRRCOE, Eluru	Sep-2007	
6	Work shop	Sreenidhi Institute of Science & Technology, Hyderabad	Feb-2007	
7	“Inculcating Universal Human Values in Technical Education”	AICTE	12 <sup>th</sup> july 2021	16 <sup>th</sup> july2021
8	Specs to Final Product from Industry Perspective	GRCE	7 <sup>th</sup> june 2020	8 <sup>th</sup> june2020
9	AI applications	RCE,	25 <sup>th</sup> may 2020	26 <sup>th</sup> may2020
10	Industry 4.0	DNR COLLEGE	12 <sup>th</sup> june 2020	13 <sup>th</sup> june2020
11	<i>Recent Advancement on Electronics and Computer Intelligence. (RAECI -2021),</i>	SUIIT.burla	26 <sup>TH</sup> APRIL2021	30 <sup>TH</sup> APRIL2021
12	IPR AND APPLICATION	JNTUK,kakinada	1 <sup>st</sup> april 2015	30 <sup>th</sup> april 2015
13	RESERCH METHDALOGY	JNTUK,kakinada	1 <sup>st</sup> april 2015	30 <sup>th</sup> april 2015

**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): -Nil-**

S.No.	Title	Application Number	Year	Filed/Granted

**24. Awards/HonoursReceived: -Nil-**

S.No.	Award Name	Awarded by	Contribution	Date Received

**25. Professional Memberships: Yes**

S.No.	Name of the Professional Body	Membership No.	Membership Type
1	IE(India) Member ship	M-155603-1	Member ship
2	IETE Member	M-500574	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): -Nil-**

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

**29. Technology Transfer: -Nil-**

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

**31. Personal Details:**

(a) Father's Name : Cheekatla.somasundaram

(b) Mother's Name : Cheekatla.sasirakha

(c) Gender : Male

(d) Marital Status : Married

(e) Religion : Hindu

(f) Nationality : Indian

Signature