FACULTY PROFILE

Nameofthe Faculty:	**T. KRISHNA CHAITANYA**
Designation:	**ASSITANT PROFESSOR**
Department:	**ELECTRONICS AND COMMUNICAITON ENGINEERING**
Dateof Birth:	**29-12-1984**
AICTE– ID:	**1-424147597**

Education	• B.Tech in ECE from JNTU University/Institute in 2006 • M.Tech in CSP Specialization fromANU University/Institute in 2008

Experience	Teaching:15 Years	Industry: -	**Total:15Years**
	Research: 10 Years	Others:-	

Research Specialization	• **IMAGE PROCESSING** • **SIGNAL PROCESSING** • **MACHINE LEARNING** • **DEEP LEARNING**

Courses taught	1. **Multirate systems and Filter Banks.** 2. **Advanced Digital Signal Processing** 3. **Coding Theory and Techniques** 4. **Video Processing** 5. **Artificial Neural Networks** 6. **Random Processing & Information Theory** 7. **Image and Video Processing** 8. **Speech Signal Processing** 9. **Digital Signal Processing** 10. **Digital Image Processing** 11. **Linear Control systems** 12. **Digital Electronics** 13. **Digital Communications** 14. **Basic Electronics and Micro Processor** 15. **Analog and Digital Communications** 16. **VLSI** 17. **Verilog HDL** 18. **Programming with C** 19. **Professional Ethics and Human Values**

Research contributions

International/national peer reviewed journals

S. No.	Title of paper	Journal	Year	Volume	pages	Indexing SCI/WoS/ SCOPUS, Google scholar)
1	Neural Network Based Classification of Digital Mammograms using DCT Coefficients	IJAERD	2017	4	15-20	**Google scholar**
2	Detection of Multiple Targets by Multistatic RADAR	IJETR	2015	3	84	**Google scholar**
3	Application of Image Retrieval Techniques to Understand Evolving Weather	IJSRD	2014	2	570-573	**Google scholar**
4	Wavelet transform method for deriving atmospheric boundary layer height from lidar signals	IJET	2013	5	1465-1473	**Google scholar**
5	A SVD – and Genetic Algorithm based Image Watermarking Scheme	ANU Journal of Engg. & Tech	2010	2		**Google scholar**

Bookspublished

S. No.	Title of the book	Publisher	year
1	-		

Book chaptersPublished

S.No.	Title of the Chapter	Book title	Publisher	year
1	-			

Details ofPatents(Filed&Granted)

S. No.	Applications number	Title of the patent	Date of filing/publishing	Published/granted
1	-			

Details of Conferences/FDPs/STTPs/webinars/WorkshopsOrganized

S.No.	Name of the event	Role	Dates
1	One Day seminar on Industry Expectations and our Preparedness	Convener	Aug 27th 2022
2			

Details of Conferences/FDPs/STTPs/webinars/Workshops Participated

S.No.	Name of the event	Organized by	Dates
1.	Filter Banks, Wavelets and Multirate DSP	Bapatla Engineering College, Bapatla	Aug 19-20th, 2006
2.	DSP Applications In Modern Communications	SACET, Chirala	Mar 30-31st, 2007
3.	Emerging Trends in Image, Video Communications, Standards and Protocols	AITAM, Tekkali	Dec 20-22nd, 2007
4.	Advances In Electromagnetics And Signal Processing	Bapatla Engineering College, Bapatla	Mar 20-21st, 2009
5.	Wavelets And Its Applications	Siddartha Engineering College, Vijayawada	Aug 9th 2009
6.	Emerging Trends in Digital Image Processing	Amara Institute of Engineering & Technology	Sept. 25th, 2010
7.	National workshop on Quality of Research and Young Scientist Sensitization	JNTUK, Kakinada	Oct. 23rd, 2010
8.	Advances In Signal And Image Processing	JNTUK, Kakinada	Feb 25-26th, 2011
9.	Digital Signal Processors and Architectures	GITAM University, Hyderabad Campus	Jan 20-21st, 2012
10.	VLSI design	VIGNAN University, Vadlamudi, Guntur	Feb 6-7th, 2012
11.	An Instructional Course on Machine Learning	Bapatla Engineering College, Bapatla.	Feb 8th-11th, 2012
12.	One day National Level Workshop on VLSI Applications in advanced communication Systems	St. Ann's Engineering College, Chirala.	Feb 25th, 2012
13.	Two-week Audit course on "Research Methodologies"	JNTUK Kakinada	1st – 15th May, 2014
14.	Two-week Audit course on "Intellectual Property Rights and Patents"	JNTUK Kakinada	16th - 30th May, 2014
15.	National Workshop on Image Processing for Biomedical Applications - IPBA 2015	Amrita School of Engineering, Coimbatore	12/06/2015 to 13/06/2015
16.	A Two-Day workshop on Advances in Mathematical Models for Image processing	P V P Siddhartha Institute of Technology, Kanuru, Vijayawada	04/03/2016 to 05/03/2016
17.	A Two-Day Workshop on "Recent Trends in Medical Image Processing Techniques and its Applications"	College of Engineering Guindy, Anna University, Chennai – 600 025.	06/10/2016 to 07/10/2016
18.	Signal Processing and Wireless Networks	Bapatla Engineering College, Bapatla	21/12/2017 to 22/12/2017

S.No.			
19.	Computer Aided Brest Cancer Detection and Diagnosis with Deep learning Algorithms	Kongu Engineering College, Perundurai, Erode in Tamilnadu State	19/01/2018 to 20/01/2018
20.	ANN and Deep Learning	National Institute of Technology, Warangal	11/06/2018 to 15/06/2018
21.	Two-day workshop on Pattern Recognition and Computational Intelligence Two-day workshop on Pattern Recognition and Computational Intelligence	NIT Trichy	24/01/2019 to 25/01/2019
22.	Digital Image Processing & Its Applications	Sai Spurthi Institute of Technology	09-07-2020 to 11-07-2020
23.	Writing Research Proposals	NITTTRK	03-08-2020 to 07-08-2020
24.	IOT In Health Care Applications	DR.N.G.P Institue of Technology,coimbatore	24-08-2020 to 29-08-2020
25.	"Intellectual Property Rights & Patents - A View"	Gudlavalleru Engineering College, Gudlavalleru	10-08-2020 to 12-08-2020
26.	Recent Advances in Antennas for WirelessCommunications	BEC, ECE department	27-07-2021 to 31-07-2021
27.	Recent trends in next generation communication Technologies	BEC, ECE department	16-08-2021 to 20-08-2022
28.	The tool for harmonizing the self and the world	Annamalai university	09-02-2022 to 16-02-2022
29.	Online workshop on Device-to-Device Communication in 5G Network for IoT Application	NIT Patna	05-03-2022 to 05-03-2022
30.	Trends in Embedded Systems and IoT	Seshadri Rao Gudlavalleru Engineering College	20-06-2022 to 25-06-2022
31.	Nanosensors & Devices	Applied Science Department, NITTTR, CHANDIGARH	22-08-2022 to 26-08-2022
32.	RESEARCH METHODOLOGIES AND SCIENTIFIC PUBLISHING	BAPATLA ENGINEERING COLLEGE, BAPATLA	28-10-2022 to 29-10-2022

Awards/recognitions/achievements

S.No.	Name of the Award	Awarding body/Society/Organization	Year
1	-		

Details of project proposals submitted/sanctioned/completed

S.No.	Title of the Project	Funding body	Submitted/ Sanctioned/ Completed	Amount	Year/ duration
1	INVESTIGATIONS ON IMAGE PROCESSING APPROACHES FOR IDENTIFICATION OF BREAST CANCER USING DIGITAL MAMMOGRAMS	UGC	COMPLETED	2.25 L	2015-2017

Consultancy contribution

S.No.	Year	Amount	Details
1	-		

Student Project/research guidance

S.No	Level	Total number
1	UG	Completed: 25 Ongoing: 2
2	PG	Completed: 9Ongoing: -
3	PhD	Completed: -Ongoing: -

Administrative experience

S.No.	Role	Duration (From – to)
1	ALUMNI COMITTEE CONVENER	2022 - TILL DATE

Research credentials

Index/database	ID/Link
Google Scholar	https://scholar.google.com/citations?user=-2nGwNkAAAAJ&hl=en
SCOPUS	-
Web of Science	JEZ-8150-2023
Vidwan ID	431135

(T. KRISHNA CHAITANYA)

(21-09-2023)