Name : Dr. GOLLAPUDI RAMESH CHANDRA
Designation: Professor
Department: Computer Science & Engineering
Mail ID: rameshchandra_g@vnrvjiet.in
AICTE ID: 1-464122717
Date of Birth: 01-03-1978

Experience (in years): Teaching: 23   Research: 16   Others(if any, specify): Nil

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D	2013	CSE
2	M. Tech.	2005	CS
3	B.E.	1999	CSE

2. Teaching and Learning:

2.1. Teaching Interests: Image Processing, Formal Language and Automata Theory, Web Technologies, Compiler Design, Visual Programming Techniques, Machine Learning, Soft Computing, Gaming Engineering, Internet of Things etc.

2.2. Novel Teaching & Learning Techniques adopted: POGIL, Simulations, WIT & WIL, and PPT's

2.3. Involvement in curriculum updating / Design: Designed courses for Game Engineering,Machine Learning, Machine Learning Lab, Visual Programming Techniques and Computer Vision and updated Image Processing and Pattern Recognition

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- To motivate students towards research and serving the nation.
- To motivate students towards doing the projects required for college and let the students get real exposure.
- Watching Cricket and Playing Table Tennis.

3.2. CCA/ECA Organized:

- As Treasurer, IEEE Computer Society, Hyderabad Section from 2018-2019 Organized many activities at Section level.
- On behalf of ISTE Chapter Conducts Engineers Day and Teacher's Day Celebrations every year until 2017.
- Conducted "5th annual Convention of ISTE AP Section" at VNRVJIET on 23rd October 2010 at the level of "Convenor". The event was grand success.
- Conducted "Open House" at VNRVJIET from 2015 to 2019 and 2023 at the level of "Convenor".
- Conducted "World IP Day" at VNRVJIET on 26th April Every year at the level of "Co-Convenor".
- Conducted "Technology Day" at VNRVJIET on 11th May, 2018 at the level of "Convenor".

3.3. CCA/ECA participated:

- Applied for Scientific and Industrial Research Organization Recognition (SIRO) to DSIR, Govt. of India and Got it. **Because of this recognition the Institute is saving 13% on each purchase of imported research items.**

- Filled a nomination for "Best Engineering College" for ISTE A.P. Section award function and got it.

3.4. Counseling and Mentoring Activity:
- Counsels and motivates students allotted to me
- Mentored Students for NPTEL Course on "Introduction to Machine Learning"

3.5. Committees involved in:
  Department level:
- Member - Class Review Committee , Department Development Committeeand Department Academic Committee

  Institute Level:
- Member- Institute Academic Committee, Academic Council
- Member Secretary- Research Advisory Board
- Member Secretary- Research Incentives Review Committee
- Convener – Sponsored Projects Review Committee
- AICTE National Doctoral Fellowship Coordinator
- JNTUH Research Coordinator
- Member Secretary- Research Scholars Review

4. Conference / Workshop / Seminar / Guest Lectures/ Online Certificate Courses:

4.1.Conducted:
- Organized a 1 day Workshop on "How to write a research proposal for DST Seed division schemes" by Dr. K. Gopi Krishna, Scientist-E, DST on 20th May 2023
- Organized a 1day Workshop on "Guidelines for writing successful funding proposals" by Dr. P. Krishna Kanth, Scientist- E, on 20th May 2023
- Organized a 1day Workshop on " Awareness program on SERB-SURE scheme" by Dr JBV Reddy, scientist F – DST on 26-8-2022
- Organized a 5-day Workshop on "Developing winning research proposals" by Dr. K. Ravi Kumar, Assoc. Prof., CE, VNRVJIET & Mr. D. Ramesh Reddy, Asst. Prof., ECE, VNRVJIET from 8-8-2022 to 12-8-2022.
- Member, Technical Committee, International Conference on Advances in Computer Engineering And Communication Systems (ICACECS-2021)
- Member, Program Committee, International Conference on Advances in Computer Engineering And Communication Systems (ICACECS-2020)
- Conducted a workshop on "How to Write Winnable Research Proposals" on 28-07-2020.
- Conducted a workshop on "Writing Good Quality Research Proposals" From 06-01-2020 to 11-01-2020.
- Conducted International Conference on Data Sciences (InDaS-2014) from 26th to 28th February, 2014 at the level of Organizing Chair.
- Conducted ICSCI-2011 to ICSCI-2014 at the level of Joint Secretary
- Organizer for International Conference on systemics, cybernetics and informatics (ICSCI) in 2008, 2009 and 2010
- Organized Workshop on 'Writing Good Quality Research Proposals' from 6th to 11th January 2020.
- Conducted a guest lecture on "Factors to be considered while reviewing the research proposals" on24-02-2018.

- Conducted a guest lecture on "How to Write Good Research Proposals" on23-02-2018.
- Conducted a guest lecture on "Various Funding Opportunities in SERB, DST & Writing a successful proposal" on 06-10-2017.
- Conducted a guest lecture on "How to write successful Proposals" on18-18-2017.
- Conducted a one day seminar on "How to write patent applications" on 16-12-2016.
- Conducted two day ITRA workshop on "Wireless Node Design" on 19th Dec-20th Dec, 2014.
- Conducted a one day seminar on "How to write patent applications" on 28-09-2013.
- Conducted a one day seminar on "Personal Effectiveness through Motivation" on 22 December, 2011.
- Conducted a two week AICTE – Sponsored Staff Development Program on "Real Time Signal & Image Processing" refresher course from 06-06-2011 to 18-06-2011.
- Conducted a one-day workshop on "Hidden Markov Models" for industry personnel and Engineering college faculty, on May 1, 2010 and acted as course coordinator.
- Conducted Knowledge Transfer on "Data Mining Tool: Clementine" On 25-06-2010 and 10 Faculty Members of CSE Department are attended
- Conducted a three-day workshop on "Data Warehousing Tools and Technologies" for industry personnel and Engineering college faculty, during Sep 6, 2007 to Sep 9, 2007 and acted as course coordinator and resource person for the program.
- Conducted a Two day workshop on "Technical Writing and Research Methodologies" from 13-11-2009 to 14-11-2009, in which i mobilized 5 participants from outside, 45 internal faculty and 30 students and acted as course coordinator.
- Contributed to conduct a 3 day workshop on "Mobile Computing" under ISTE Chapter

4.2. Attended:
- A one week(7 days) short course on " Modern Teaching Methods"; 22-07-2002 to 27-07-2002;By Technical Teachers' Training Institute; at Nagarjuna Institute of Technology(Presently name P.V.P. S.I.T); Vijayawada.
- A one week(6 days) workshop on "Digital image processing & its applications"; 24-11-2003 to 29-11-2003; By M.S. Ramaiah School of Advance Studies"; at Bangalore.
- A Two-day workshop on "Image processing & pattern recognition"; 25-09-2004 to 26-09-2004; By The Institution of Electronics and Telecommunication Engineers(IETE) Hyderabad center;at Osmania University Campus; Hyderabad.
- A Three week refresher course on "Digital Signal processing"; 17-11-2004 to 07-12-2004; By University Grants Commission (UGC) Academic staff college; at JNTU, Kukatpally; Hyderabad.
- A Two-day training program on " Linux and on-line examination software installation"; 15-12-2005 to 16-12-2005; By Software Development Center(SDC) Examination Branch; at JNTU; Kukatpally; Hyderabad.
- A Two-day training program on "Effective Teaching and Presentation Skills" at T.R.R. College of Engineering from 04th to 5th Feb, 2006.
- A Two-day faculty training program conducted by Accenture from 17th to 18th Oct, 2007.
- A Two-day short term intensive course on "Bio-Informatics" from 17th to 18th Oct, 2008 at VNR VJIET.

- A Two-week refresher course on " Algorithms, Computation and Compilation"; 25-08-2008 to 06-09-2008; By MHRD, Govt. of India sponsored; at National Institute of Technology(NIT); Warangal.
- A Three-day Train The Trainer program on "Finacle- Global Banking Product"; 19-11-2008 to 21-11-2008; By Infosys Technologies Ltd.; at Hyderabad center; Hyderabad.
- A two day Fourth annual convention of ISTE AP Section and presented a paper titled " Innovative Methods for Teaching Computer Graphics: from 21st to 22nd November, 2009.
- Attended Sun Tech Days from 24th Mar to 25th Mar 2010 conducted by Oracle Corporation at HICC, Kondapur, Hyderabad.
- Attended a one day workshop on "Embedded systems, VLSI for Graphics" by AMD Pvt. Ltd on 5th June 2010 at Banjara Hills, Hyderabad
- A 5-Day workshop on "Spatial Statistical Tools in Data Processing and Analysis" from 26th -30th November, 2012 at Indian Statistical Institute, Bangalore.
- A one day seminar on "Advances in Soft Computing" on 14th Dec, 2012 at VNR VJIET.
- A three day workshop on "Program Design with Map code" from 27th -29th May, 2013 at VNR VJIET.
- A one day seminar on "Research Publications and Documentation" Sponsored by TEQIP-III VNRVJIET on 04-05-2013.
- A one day faculty development program on "Digital Forensics and Information Security" on 15th Nov 2013 by TCS at VNR VJIET.
- A one day faculty development program on "Introduction to Cloud Context and Cloud Models and Capabilities" on 05th Sep 2014 by TCS at VNR VJIET.
- Three day workshop on "Big Data Analytics and Cloud Computing" conducted by VNR VJIET from 4th to 6th Sep, 2014.
- One week faculty development program on "Machine Learning With R" at PVPSIT from 27th September to 1st October, 2016.
- Two day faculty development program on "Introduction to Machine Learning" at VNRVJIET by IIT Khargpur from 16th December to 17th December 2017.
- Three day FDP on "Hadoop Framework and Big Data Tools" at VNR VJIET conducted by CAPGEMINI from 27th to 29^{th}September, 2018.
- One day awareness workshop on "SMART INDIA HACKATHON 2019" at SRKR Engineering College, Bhimavaram on 10-01-2019.
- DST sponsored two week FDP on "AI, Machine Learning, Deep Learning applications to Smart Grid" conducted by VNR VJIET from 25th November to 6th December 2019.
- One day awareness program on "Importance of Intellectual property Rights" at NIT Warangal organized by Ministry of Commerce and Industry on 04-09-2019.
- Two day workshop on "IPR & Technology Transfer" conducted as part of IIC Innovation Ambassador Training Series Organized by Institution's Innovation Council of MHRD's Innovation Cell, AICTE held at MLR Institute of Technology, Hyderabad, Telangana on 6-7 February 2020.
- In House Training on Video Content Development conducted by VNRVJIET on 24-07-2020.
- 1 day Workshop on "How to Write Winnable ResearchProposals" on 28-07-2020.
- A seminar on "Transforming Health Care Through AI Revolutions" By Ram. D. Sriram, NIST, USA on 27-07-2020.

- 1 Week FDP on "Quantum Computing" organized by MNIT & NIT Patna Sponsored by MeItY from 24-08-2020 to 29-08-2020.
- 1 Week FDP on "Recent Trends in Machine Learning and Deep Learning" organized by VNRVJIET from 26-04-2020 to 30-04-2020.
- A webinar by IEEE Computer Society- Hyderabad Section On "Reconfigurable Computing for Cyber Physical Systems" on 15-05-2021.
- Attended Webinar on "Social Media Analytics" Organized by Dept. Of CSE, VNRVJIET on 20-05-2021.
- Attended Webinar on "Towards Contextual Security of AI-enabled platforms" Organized by IEEE CAS & GRSS Societies of Hyderabad Chapter on 22-05-2021.
- Attended 1 Week Online FDP on "IPR & Patent Prosecution" Organized by MVSR Engineering College from 24th to 28th May, 2021.
- Attended 3 Day Online Leadership summit on "IUCEE Annual Leadership Summit 2021 " Organized by IUCEE Foundation from 09h to 11th July, 2021.
- Attended 2 Week Online FDP on "Quantum Computing" Organized by E&ICT Academy MNIT Jaipur & NIT Patna from 27th Sep. to 8th Oct, 2021.
- Attended 1 day Workshop on " AICTE Quality Initiatives and Funding Opportunities" Organized by UGC HRDC, JNTUH to 29th Oct, 2021.
- Attended 1 Week Summer school on "3D Vision Summer School" at IIIT Hyderabad from 14-05-2023 to 20-05-2023.

4.3. Online Certificate Courses Attended:
- Got 98% for the MOOCs course conducted by Coursera for the "Machine Learning" by Stanford University.
- Got 96.3% for the MOOCs course conducted by Coursera for the "Machine Learning Foundations: A Case Study Approach" by University of Washington.
- Got Elite grade for the MOOCs course conducted by NPTEL for the "Introduction to Machine Learning", "Introduction to Soft Computing" and "Deep Learning".
- Completed Applied AI Course from applied roots.

5. Academic Contribution and Research & Consultancy:
5.1. Invited Lectures:

S.No.	Title of Lecture/ Academic Session	Title of Conference / Seminar etc	Organized by
1	Geometric Filters	International Conference on Computing Sciences(ICCS-2012) , Punjab, India.	Lovely Professional University
2	Real Time Video Processing	Two week AICTE Sponsored SDP on " Real Time Signal and Image Processing"	VNRVJIET
3	Clementine Tool	Three Week Refresher Course on "Recent Trends in Web Data Mining"	UGC-(ASC), JNTUH

4	Clustering Using Clementine	Three Week Refresher Course on "Recent Trends in Web Data Mining"	UGC-ASC JNTUH
5	Study of Image Enhancement & Segmentation Techniques	Three Day workshop on "Hands on Image Processing"	Sagar Institute of Research & Technology, Bhopal
6	Data Mining Models and Practical Session on Clementine	AICTE FDP Recent Trends in Global Data Mining & Data Warehousing	QIS College Of Engineering And Technology, Ongole
7	Image Enhancement & Its Applications	Current Trends and Techniques in Image Processing and Remote Sensing	VidyaVihar Institute Of Tech.
8	Clementine Tool	3 Day FDP On "Recent Trends and Challenges in Data Mining"	Geetanjali College of Engg& Tech.
9	Clementine Tool	One week FDP on "Soft Computing and Machine Learning"	GRIET
10	Clementine Tool	Two Day FDP on "Data Mining- Tools & Research Issues"	B.V. Raju Institute of Technology (BVRIT)
11	3-D Image Processing	One week short term course on "Wavelets and Its applications"	UGC-ASC JNTU H
12	Innovations in Computing and Communication – Key Note Speech	International Conference on Innovations in Computing and Communication (ICICC-2015)	B.V. Raju Institute of Technology (BVRIT)
13	Machine Learning using Octave	Five Day FDP on " MAT LAB and Its Toolboxes"	VNRVJIET
14	Video Processing	Five Day FDP on "Digital Image & Video Processing"	M.V.S.R Engineering College
15	Image Processing	One Day Guest Lecture	Narasimha Reddy Engineering College
16	Video Processing	Recent Trends in Image & Video Processing	VNRVJIET

17	IOT Applications	Three Week Refresher course on "Internet of Things"	UGC ASC, JNTU H
18	Funding Agencies and How to Write Research Proposals	Three Day Workshop on " Guidelines for Research and Research Proposals"	Malla Reddy Institute of Engineering and Technology
19	Image, Video & 3-D Image Processing, Deep Learning	AICTE Sponsored Two Week Faculty Development Program (FDP) titled "Digital Image Processing for Medical Images"	SRKR Engineering College
20	3-D Deep Learning	AICTE Sponsored Two Week Faculty Development Program (FDP) titled "Deep Learning and Big Data Analytics"	SRKR Engineering College
21	3-D Deep Learning	1 Week FDP on "Recent Trends and Advancements in Computer Science" from 22-07-2020 to 28-07-2020	VidyaJyothi Inst. of Tech.
22	Clustering and Classification	Webinar Series on "Machine Learning" from 21-06-2020 to 03-07-2020	VNRVJIET
23	3-D Deep Learning	One week National Level FDP on "Research Areas in AI & ML with case studies"	GRIET
24	Identifying Intellectual Property Component at the early stage of innovation	One day Webinar on 11-01-2022	Basaveshwar Engineering College
25	3D Deep Learning	IEEE Event Enigma 3.0 on 26/03/2022	Geetanjali College Of Engineering And Technology
26	3-D Deep Learning in Health Care Systems	Two day online National Level Seminar on "Recent Trends in Artificial Intelligence in Thinking Machines and Reforming Health Care" from 20th to 21st May, 2022	St. Martin Engineering College, Hyd
27	3D Deep Learning	Two day national level seminar on "Recent Trends in Artificial Intelligence and Its Applications" on 22-10-2022	St. Martin Engineering College, Hyd

28	3D Deep Learning	One day national level seminar on "Recent Trends in 3D Deep Learning in Healthcare System for Quality of Service in Artificial Intelligence" on 19-11-2022	St. Martin Engineering College, Hyd
29	3D Deep Learning	IEEE CAS Regional Meeting on Power Efficient Architectures for AI and DL Neural Networks on 20-12-2022	Vardhman College of Engineering, Hyderabad

5.2. Articles/Chapters published in Books: 06
5.3. Books published as single author or as editor: Nil
5.4. Projects Guided:
        a) UG: 46
        b) PG: 11
5.5. Research Interests: Image Processing and Machine Learning
5.6. Ph. D students:
        a) Enrolled: 03
        b) Submitted: Nil
        c) Awarded: Nil
5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Generation of 5x5x5 Convex Polyhedrons Over Three Dimensional Rectangular Grid	Journal of Theoretical and Applied Information Technology; Vol. 101, Issue 6, Pg. No. 2352-2364			International
2	A model to Estimate Pulmonary Fibrosis Severity.	Computer Integrated Manufacturing Systems, 28(12),	1006-5911		International
3	Flow based anomaly intrusion detection system using ensemble classifier with Feature Impact Scale	Cluster Computing, Vol. 24, Issue 3	1573-7543	3.458	International SCI journal
4	Cotton Disease Detection using Deep Learning	International Journal of Innovative Technology and Exploration Engineering (IJITEE)	ISSN: 2278-3075		International

5	Design and Implement of Deep Learning Model to Detect the Melanoma;	International Journal of Recent Technology and Engineering (IJRTE),	ISSN: 2277-3878		International
6	Exploration of Pipelines from the use of GPR Data by Neural Network	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878		International
7	Automatic Identification of Criminal from Surveillance Videos by using CNN	International Journal of Research	ISSN: 2348-6848		International
8	Fusing Data Retrieved From Heterogeneous Sources To Predict User's Health	Journal of Theoretical and Applied Information Technology	ISSN: 1992-8645		International
9	GPR Objects Hyperbola Region Feature Extraction	Advances in Computational Sciences and Technology	ISSN: 0973-6107		International
10	3D Model Based Approach for Data Visualization	International Journal of Computer Science and Information Security	ISSN: 1947-5500		International
11	Concept Based Text Document Clustering with Vector Suffix Tree Document Model	International Journal of Computer Science and Information Security	ISSN: 1947-5500		International
12	Geometrical Properties of 3-D Images and Its Uses in 3-D Image Processing	International Journal of Advanced Research in Computer and Communication Engineering	ISSN: 2278-1021		International
13	Design and Development of Authentication Locking and Tracking System	International Journal of Science and Research	ISSN: 2319-7064		International
14	A Methodology for developing Video	International Journal of	ISSN:2319-1163		International

	Processing System	Research in Engineering and Technology			
15	3-D Mathematical Morphology and Its applications in 3-D Image Processing	Technology Spectrum - Journal of JNTU, pp.17-24	ISSN:0974-6854		National
16	Algorithms for generating convex polyhedrons over three dimensional rectangular grid	Signal & Image Processing : An International Journal (SIPIJ), pp. 197-206	ISSN No. 0976-710X		International
17	Generation of Three Dimensional Structuring elements over 3x3x3 Rectangular Grid	CIIT International Journal of Digital Image Processing, pp.80-89	ISSN No. 0974-9691	1.31	International
18	Detection and analysis of eye state for drive's Fatigue	International Journal of graphics and image processing, pp. 28-32	ISSN No. 2249 – 5452		International
19	Accelerated Volume Rendering And Processing Of Three Dimensional Medical Images Using Various GPUs	International Journal of Systemics, Cybernetics and Informatics, pp. 45-51	ISSN No. 0973 - 4864		International
20	Improving the performance of volume rendering for medical images	International Journal on Advances In Soft Computing Technology, pp. 1-7	ISSN No. 2229 – 3515		International
21	Algorithms for Generating Convex Polyhedrons In A Three Dimensional Rectangular Array Of Cells	International Journal of Systemics, Cybernetics and Informatics, pp. 24-34	ISSN No. 0973 - 4864		International
22	The Algebra of Hierarchical Geometric Filters Defined In 2-D and 3-D Rectangular Array of Cells	International Journal of Systemics, Cybernetics and Informatics, pp. 35-44	ISSN No. 0973 - 4864		International
23	Real time machine vision based robot	International Journal on Systemics,	ISSN No. 0973 - 4864		International

		Cybernetics and Informatics, pp. 61-70			

5.8. Papers presented at National / International Conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Emoji Creation from Facial Expression Detection Using CNN	Lecture Notes in Networks and Systems (LNNS), Volume 612, 3rd International Conference on Advances in Computer Engineering and Communication Systems, at VNR VJIET, Hyderabad, August, 2022	International	2
2	Predicting Stock Market Prices using Sentiment Analysis of News Articles	11th International Conference, IACC 2021 Msida, Malta, December 18–19, 2021.	International	2
3	Evaluation of tools used for 3D reconstruction of 2D medical images	International Conference on Advances in Computer Engineering and Communication Systems	International	2
4	Power Trust: Energy Auditing Aware Trust-Based System to Detect Security Attacks in IoT	2021 Sixth International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET)	International	2
5	3DGPRIPS: 3-D Ground Penetrating Radar Image Processing System	11th International Conference on Cloud Computing, Data Science & Engineering (Confluence 2021); Amity University, Noida, 28th to 29th , January, 2021	International	2 Days
6	An Effective Technique to Detect Dimensions of Pipe under the Ground Using GPR Images	International Conference on Advances in Computer Engineering and Communication Systems; at VNR VJIET, Hyderabad, from 13th to 14th , August, 2020.	International	2 Days
7	Detecting Radius of Pipe in GPR Images and Comparing with 3D Synthetic Data	IEEE International Conference on Image Information Processing (ICIIP-2019) at	International	2 Days

		JUIT, Waknaghat, H.P. 15- 17, November, 2019.		
8	Distinctive Similarity Rendering Approach to Reconstitute Hyperbola Apices in GPR Images	IEEE Region 10 Conference (IEEE TENCON-2017), Penang, Malaysia, November 5-8, 2017.	International	4 Days
9	Detection of Brain Tumor in Three Dimensional Images	International Conference on systemics, Cybernetics and Informatics(ICSCI-2017) , Hyderabad, India	International	4 Days
10	Surface Detection in 3D images using Cellular Logic Array Processing	IEEE Conference on Systems, Man, and Cybernetics (IEEE SMC-2014), October 05-08, 2012, San Diego, USA. pp. 861-865.	International	4 Days
11	3D Edge Detection of Medical Images Using Mathematical Morphological and Cellular Logic Array Processing Techniques	IEEE Conference on Systems, Man, and Cybernetics (IEEE SMC-2012), October 14-17, 2012, Seoul, South Korea. pp. 2156-2160	International	4 Days
12	SPL(A)- An elementary formal system for signal processing	International Conference on Computing Sciences(ICCS-2012) , Punjab, India. pp. 37-42	International	2 Days
13	Normal Algorithmic Implementation of Cellular Automata	International Conference on Computing Sciences(ICCS-2012) , Punjab, India. pp. 64-69	International	2 Days
14	A new architecture for web based image processing system	International Conference on systemics, Cybernetics and Informatics(ICSCI-2012) , Hyderabad, India. pp. 144-146	International	4 Days
15	Eye state detection and analysis for driver's fatigue	International Conference on systemics, Cybernetics and Informatics(ICSCI-2012) , Hyderabad, India. pp. 182-185	International	4 Days
16	Algorithm for Constructing Complete Distributive Lattice of Polyhedrons Defined over 3D Rectangular Grid- Part II	CCSIT Conference, bangalore, proceedings are published by LNICST, Springer, pp. 202-208	International	2 Days
17	Dynamic histogram for real time video processing	International Conference on MIPPSCON-2011, GMRIT, Rajam, A.P., India. pp. SP-69 to SP-72	International	3 Days

18	Simulation of Interaction of 3D objects with waves	ICSCI, Hyderabad, India , Jan. 05-08, 2011. pp. 202-208	International	4 Days
19	A new Spatial Data Representation and Mining Method	International Conference on systemics, Cybernetics and Informatics,	International	4 Days
20	Innovative methods in teaching computer graphics	ISTE AP Section 4th Annual Convention and Awards Function"	National	2 Days
21	3-D Reconstruction of Urban Scenes in Aerial Imagery	International Conference on systemics, Cybernetics and Informatics, pp. 608-611	International	4 Days
22	On the Notation of 3-D Structuring elements in mathematical morphology	International Conference on systemics, Cybernetics and Informatics, pp. 229-231	International	4 Days

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed
1	Development of an Autonomous tool for detecting bolt loosening in Steel Structures using Machine Vision and Deep Learning	SERB under SURE scheme	3 Years	Rs. 24,08,000	Ongoing
2	Design and Development of Night Vision Imaging LIDAR and Laser 3-D Imaging System for Homeland Security and Other Surveillance applications in Defence	DRDO under ER&IPR Scheme	3 Years	Rs. 51,28,600	Ongoing
3	Secured Weapon Shooting Information System (SWSIS)	ARDE-DRDO, Pune	18 Months	Rs. 9,96,000	Ongoing
4	Detection of Fraudulent Water Pipes under the GPR and 3-D Image Processing Techniques	JNTU Hyderabad, Under TEQIP-III	1 year	Rs. 2,90,000	Completed
5	Weapon Locking and Tracking System	Armament Research and Development Establishment (ARDE), DRDO	10 Months	Rs. 9,91,000	Completed

6	Development of effective Wireless Sensor Network system for water quality and quantity monitoring (AquaSense),	Information Technology Research Academy, Department of Electronics and Information Technology	3 Years	Rs. 30,18,000	Completed
7	Driver Safety Index through Integrated Computing System (DSI2CS)	Drive Lozics	3 Years	Rs. 7,00,000	Completed
8	Driving Simulator for Indian Environment	X_Design Ventures Pvt. Ltd.	2 Years	Rs. 75,98,000	Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
1	ROI Booster	Mira Consulting Inc., Malaysia	3 Months	Rs. 7,80,000	Completed

5.11 Travel Grants:

S.No	Place & Country of Travel	Sponsoring Agency & Amount	Period	Title of the Paper	Conference Details
1	Seoul, South Korea	VignanaJyothi Society& Rs. 76,000/-	October 14-17, 2012	3D Edge Detection of Medical Images Using Mathematical Morphological and Cellular Logic Array Processing Techniques	IEEE Conference on Systems, Man, and Cybernetics (IEEE SMC-2012).
2	San Diego, USA	UGC& Rs. 1, 71, 764/-	October 05-08, 2014	Surface Detection in 3D images using Cellular Logic Array Processing	(IEEE SMC-2014).
3	Penang, Malaysia	UGC & Rs. 79, 432/-	November 5-8, 2017	Distinctive Similarity Rendering Approach to Reconstitute Hyperbola Apices in GPR Images	IEEE Region 10 Conference (IEEE TENCON-2017)

5.12 Patents:
1. "Sheltered Driving System for Automotive vehicles for streamlined operation on roads with adherence to extant rules and regulations" in Indian Patent Office; Application No. 202041045360 & **Published**
2. "Transparent and user-friendly billing process towards smart governance" in Indian Patent Office; Application No. 202141006551 & **Published**
3. "A Novel Machine Learning tool and approach / method for Telugu Dependency Parsing using Combinatory Categorical Grammar; Application No. 202141043101 & **Published**

5.13 Session Chairs:

Sr. No.	Name of Conference	Organized By	Date
1	ICACECS-2020	VNRVJIET	13-08-2020
2	International Conference on Intelligent Computing and Communication (ICICC-2022)	GNITS	19-11-2022
3	International Conference on "Advanced Applications of Technology and Management (AATM-2023)"	JBIET	10-03-2023

5.14 Products Developed/ Developing:
- Developed/ Worked on following products for Pentagram Research Centre Pvt. Ltd.
  - Logical Image Processing System (Linux Version)
  - Logical Video Processing System 1.0
  - Logical 3-D Image Processing System 1.0
  - Logical Pattern Generation System
- Developed a compiler for XervoScipt Engine for Cyber Motion Technologies Pvt. Ltd and developed a software for Themo Pads Pvt. Ltd.
- Developed/ Worked on following products while working at VNRVJIET:
  - Driving Simulator for Indian Environment
  - Driver Safety Index through Integrated Computing System
  - ROI Booster
  - Weapon Locking and Tracking System
  - Development of effective Wireless Sensor Network system for water quality and quantity monitoring (AquaSense)
  - Underground pipe radius detection system
  - Developing a Test Site for water pipeline network for generating ground truth Ground Penetrating Radar (GPR) data.
  - Secured Weapon Shooting Information System

- Developing the following products while working at VNRVJIET:
  - Laser Based Night Vision System for Surveillance applications
  - Bolt Loosening Detection System

6. Awards / Honors received:
- "Best CSE Teacher" Awarded by ISTE AP & TS Section for the year 2016.
- "Distinguished Official" Award for the extensive contribution towards conducting ICSCI-2011 Conference Successfully by Pentagram Research Centre, Hyderabad.

- "Best Paper Award" for paper entitled "An Effective Technique to Detect Dimensions of Pipe under the Ground Using GPR Images" in the International Conference on Advances in Computer Engineering and Communication Systems held at VNR VJIET, Hyderabad, from 13th to 14th , August, 2020.
- "Best Paper Award" for paper entitled " Theory of Markov's Normal Algorithms" in the International Conference on Computing Sciences (ICCS – 2012)) held at Lovely Professional University, Punjab India
- "Best Paper Award" for paper entitled " Simulation of Interaction of 3D objects with waves" in the International Conference on Systemics, Cybernetics and Informatics (ICSCI – 2011) held at Lovely Hyderabad, India
- Senior Member of IEEE, Senior Member ACM

7. Motto: Excellence in education and research