GEETHANJALI COLLGE OF ENGNEERING & TECHNOLOGY

Department's Monthly Report

December-2023

1. Guest Lectures/ Webinars. Furnish the list of guest lecturers / webinars / Conference arranged.

S. No	Name of the Resource person	Designation and Organization	Topic covered	Target Attendance	Proposed by (Name of the faculty)	Course Outcomes attained
1	Dr.A.Hymavathi,	Professor, dept. of Humanities and Sciences, Sreyas Institute of Engineering and Technology, Hyderabad.	“Environmental Policy, Legislation & EIA” (Date of Event: 09-12-2023)	II year B.Tech I semester students (all sections) (141 students were a part of the event).	Ms.ARL Padmaja Mr. M.Chathar Singh	Environmental Science course attainments
2	Dr. M.Chenna Reddy	Senior Research Scientist, at MBICR, Chengdu, China	Introduction to NanoTechnology and its Applications In association with IEEE NanoTechnology Council Student Branch Chapter (Date of Event: 13-12-2023)	150 students from ECE, 15 IEEE Student members and 5 faculty members from ECE participated	Prof. OVPR Sivakumar, Faculty Advisor IEEE NTC Mrs. L Uma Maheshwari,	Understand the origin and basics of Nanotechnology Understand different applications and fields where nanotechnology is applied Understand the bio-medical applications of nano technology Understand the future scope of this emerging technology
3	Prof.OVPR Siva Kumar Dr.G.sreelakshmi Mr.Ramachandra Kumar and	Faculty of GCET	Short Term Skill Development Program (SDP) On Analog Circuit Design & Layout using Cadence	Polytechnic Students (43)	Centre of Excellence in VLSI Design	

	M.Krishna		EDA software Collaboration with IEEE Nanotechnology Council, Student Branch Chapter (28-12-2023 to 03-01-2024)			
4	Prof.OVPR Siva Kumar Dr.G.sreelakshmi MrG.Ramachandra Kumar and M.Krishna	Faculty of GCET	Two week Skill Development Program on Verilog Design using VIVADO Tools in association with IEEE CAS (20-12-2023 To 30-12-2023)	III-B.Tech students (35)	Coordinator: G.Ramachandra Kumar	
5	1.***Ms. Roopa*** and 2.***Ms. Mangala Mani***	1.Scientist/Engineer at ISTRAC/ISRO, Bangalore. Serving as Dy. Project Director for Chandrayan-3 and Dy. General Manager at SPOA and 2. First polar woman of ISRO, who overwintered for 403 days in Antarctica.	**Women in Engineering AG Hyderabad Section & IEEE WIE AG GCET SB Presents: Students Summit On: "Technicalities and Opportunities in Space Sector** (11-12-2023)	115 in number from various colleges in the twin cities	Coordinator: S.Jyothirmayee	
			ONLINE QUIZ titled "QUANTUM QUIZZICS" In association with IEEE NanoTechnology Council Student Branch Chapter (15-12-2023)	total of 208 students from all branches of different colleges registered, Out of which 38 are from other colleges(**JNTUH-Jagityal, Bhojireddy college of**	Coordinators: Prof. OVPR Sivakumar, Faculty Advisor IEEE NTC Mrs. L Uma Maheshwari, Assistant Professor, ECE Department	***To conduct quiz on Nanotechnology through online mode for the B.Tech students all over Telangana***

				engineering, MGIT, VBIT, Gurunanak college of Engg and Tech and so on..)		
6	Mr. Pulagam Venkata Bhanodai	IV Year II Semester ECE Student, GCET	**Peer** Learning Workshop on Integration of Digital Design concepts with ARDUINO board using Tinkercad Tool **"** in association with Srujanastra Club and ISTE from (***26th – 30th December, 2023***)	II-ECE Students	Coordinators: 1. Ms. B Sree Latha, 2. Ms. M Laxmi, 3. Mr. M. Anand, **CoE in Embedded Systems & IoT Coordinator**	

2. Student Development Programs/Value Added Courses Conducted

S. No	Name of the program	Target Audience	Date(s) conducted	No. of students attended	CO / PO attainment	Remarks
1	Advanced Data Structures	II year B.Tech I Semester students (all sections) of ECE	All Saturdays	90 Students	Coding skills for placement	--

3.Details of the Seminars/ Workshops /Refresher Courses / Orientation Courses/ FDPs attended by faculty

S.No.	Name of the Faculty	Nature of program attended: workshop etc..	Title of the Program	Date(s) attended	Organized by /institute	Remarks
1	Dr.Appala Raju Uppala	(ATAL)- FDP	"Machine Learning Essentials: Applications and Use Cases"	18-12-2023 to 22-12-2023	CVR College of Engineering, Hyderabad	---

2	Mrs.S.Jyothirmayee	(ATAL) -FDP	"Machine Learning Essentials: Applications and Use Cases"	18-12-2023 to 22-12-2023	CVR College of Engineering, Hyderabad	---
3	Mrs.ARL Padmaja	(ATAL) -FDP	"Machine Learning Essentials: Applications and Use Cases"	18-12-2023 to 22-12-2023	CVR College of Engineering, Hyderabad	---
4	Mr.K.Satish Babu	(ATAL) -FDP	"RFIC Design and Low Power analog Circuit Techniques"	26-12-2023 to 30-12-2023	CVR College of Engineering, Hyderabad	---
5	Mrs. D Ramya,	(ATAL) - FDP	Artificial Intelligence and Internet of Things for building Signal Processing Applications	11/12/2023 to 16/12/2023.	NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS	---
6	Mrs. D.MADHAVI LATHA,	(ATAL) - FDP	Advanced Electronic System Design –Ideation and Prototyping	22/12/2023 to 29/12/2023	GURU NANAK INSTITUTIONS TECHNICAL CAMPUS	

Interaction with outside world:

S. No	Name of the faculty	Designation	Date	Role	Topic	Name of the hosting organization
1	Dr.Appala Raju Uppala	Associate Professor	14-12-2023 and 17-12-2023	Participated as Reviewer	20th India Council International Conference (INDICON) - 2023	IEEE Hyderabad Section & National Institute of Technology Warangal
2	Prof.O.V.P.R.Siva Kumar	Professor	19-12-2023	Participated voluntarily and contributed	To the AI Developing Project conducted by AI4Bharat,	IIT Madras
3	Dr.G.Sreelakshmi	Associate Professor and Hod-ECE	18-11-2023	Participated as Reviewer	Journal of Energy Research and Reviews	----

4	Dr.Appala Raju Uppala	Associate Professor	15-12-2023 and 16-12-2023	Participated as Session chair	International Conference on Machine Learning for Signal Processing, Communications and Control Systems (ICMSCC-2023) On 15th December 2023	Department of Electronics and Communication Engineering ,GCET
5	Prof.O.V.P.R.Siva Kumar	Professor		Participated as Session chair		
6	Dr.B.L.Prakash	Professor		Participated as Session chair		
7	Dr.P.Sudakar	Associate Professor		Participated as Session chair		
8	Dr.G.Vallathan	Associate Professor		Participated as Session chair		
9	Mr.D.Venkata Rami Reddy	Associate Professor		Participated as Session chair		

4. Details of Research Publications.

Journal Papers:

S. No	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ ISSN/	Scopus Index / SCI
1	Appala Raju Uppala and Odaiah Rachapally	Learning to Count Number of Persons in an Image	International Journal of Innovative Research in Science and Engineering	December 2023, Vol.9 IssueNo.12	ISSN: 2454-9665	UGC
2	Odaiah Rachapally and Appala Raju Uppala	Stock Market Prediction Using Machine Learning	International Journal of Advanced Technology in Engineering and Science	December 2023 Vol.11 IssueNo.12, PP 83-88	ISSN: 2348-7550	UGC
3	Mrs.Rajani Kumari	Life Saving System and Theft Alert with Speech Recognition	International Journal of Enhanced Research in Science, Technology & Engineering	Volume 12, Issue 11, Nov. 2023	ISSN: 2319-7463	UGC

4	Dr.G.Sreelakshmi	Design And Development Of Urea Fertilizer Iot Based Robot For Agricultural Field	International Journal of Advance Research in Science and Engineering	Volume No. 12, Issue No. 12, December 2023	ISSN: 2319-8354	UGC
5	Mr.A.Shankar	Image Forgery Detection Method For Copy- Move And Splicing Attacks Using Block Wise Dct, Dwt And Correlation	International Journal of Innovative Research in Science and Engineering	December 2023, Vol.9 IssueNo.12	ISSN: 2454-9665	UGC
6	M Sowjanya , B Sreelatha and D Venkata Rami Reddy	Cancer Detection Using Deep Learning And Resnet Architecture	International Journal of Innovative Research in Science and Engineering	December 2023, Vol.9 IssueNo.12	ISSN: 2454-9665	UGC
7	D Venkata Rami Reddy, M Sowjanya and B Sreelatha	A Novel Method of Extracting Range Information, Angle of Arrival And Doppler Shift Using A Pulsed Radar	International Journal of Advanced Technology in Engineering and Science	December 2023 Vol.11 IssueNo.12, PP 83-88	ISSN: 2348-7550	UGC
8	B Sreelatha, D Venkata Rami Reddy and M Sowjanya	Electronic Passport System Using Node Mcu	International Journal of Innovative Research in Science and Engineering	December 2023, Vol.9 IssueNo.12	ISSN: 2454-9665	UGC

Conference Papers:

S. No	List of Authors	Title of The Paper	Conference Name	Year of Publication	ISBN/ ISSN	Indexing
1	Mrs.A.R.L Padmaja, G Vallathan and S.Jyothirmayee	Modified-Distributed Energy-Efficient Clustering (M-DEEC) for Heterogeneous Wireless Sensor Network	1st IEEE International Conference On Emerging Research In Computational Science (ICERCS) -2023	December 2023	Presented Paper	Scopus
2	Mr.K.Satish Babu	Classification of Skin Cancer using Deep Learning Techniques	International Conference on Emerging Trends in Electronics and Communication Engineering	December 2023	Presented Paper	----

			(ICETEC- 2023)			
3	Mr. A Shankar	Image Forgery Detection Method For Copy- Move And Splicing Attacks Using Block Wise Dct, Dwt And Correlation	International Conference On Machine Learning For Signal Processing, Communications And Control Systems (ICMCCS-2023)	December 2023	ISBN: 978-93-91535-61-2	----
4	Dr.G.Sreelakshmi	Design And Development Of Urea Fertilizer Iot Based Robot For Agricultural Field				
5	M Shoukath Ali K Anju, Bns Mani Chandrika, Ch Varun Kumar	Safety Or Emergency System For The Use Of Women Or Elderly People To Alert The Guardian Or Caretaker				
6	B Sreelatha, D Venkata Rami Reddy, M Sowjanya	Electronic Passport System Using Node Mcu				
7	D Venkata Rami Reddy, M Sowjanya , B Sreelatha	A Novel Method of Extracting Range Information, Angle of Arrival And Doppler Shift Using A Pulsed Radar				
8	M Sowjanya , B Sreelatha , D Venkata Rami Reddy	Cancer Detection Using Deep Learning And Resnet Architecture	International Conference On Machine Learning for Signal Processing, Communications and Control Systems (ICMCCS-2023)	December 2023	ISBN: 978-93-91535-61-2	

9	Ch. Kranthi Rekha , B. L. Prakash, V. Sharmila	Mathematical Model of Skin Lesions for Disease Diagnosis				
10	Monica Sri Chennu , Vakada Sadhwika Dr.Piratla Srihari	Cyclic Codes -A Machine Learning Perspective				
11	P. Sudhakar, M. Jagan Mohan Rao, P Srihari	Simulation Studies On The Hyperspectral Differential Absorption Imaging Lidar for Applications In Environmental Monitoring				
12	K Rama Rao, D.Nitya Santoshi Rupa, K Victor	Different Level of Multilevel Inverters for DTC				
13	Vallathan G, Mohammed Arif , Dudekula Rafi	AI Enabled Automatic Floor Cleaning Robot				
14	G.Venkateshwarlu, G.Vallathan, Yashika Agarwal, Anegama Laya	Automobile Tyre Friction Damage Estimation Using Deep Learning	International Conference On Machine Learning For Signal Processing, Communications And Control Systems (ICMCCS-2023)	December 2023	ISBN: 978-93-91535-61-2	

15	M. Jagan Mohan Rao, P. Sudhakar and P Srihari	Integration of PV Battery for Power Generation System				
16	Appala Raju Uppala and Odaiah Rachapally	Learning To Count Number of Persons In An Image				
17	Odaiah Rachapally and Appala Raju Uppala	Stock Market Prediction Using Machine Learning				

5. Students Higher Education Data.

S. No	Roll No.	Name of the student	Name of the program and University	TOEFL/ GRE/ GMAT/ IELTS Score, if any
1	01/12/23	Kalyana Ramanuja Swami	Ms in US	IELTS Score : 7.5
2	27/12/23	B.Tulasi	Ms in US	IELTS Score :6.0
3	28/12/23	Chenna Surya Vamshi	Ms in US	IELTS Score : 7.5
4	29/12/23	Y.Divya Prakash Reddy	Ms in US	PTE:54

6. Details of Students Co-curricular/ Sports Achievements/ NSS Activities

i.Co-Curricular activities

S. No	Roll No. of the student	Name of the Student	Name of the Event	Organized by, specify College/University	Date(s) of Participation	Specify Prize(s) won, if any

1	21R11A6754	Aishwarya Sandlapuram	ONLINE QUIZ titled "QUANTUM QUIZZICS" In association with IEEE NanoTechnology Council Student Branch Chapter	GCET, Department of ECE, Prof. OVPR Sivakumar, Faculty Advisor IEEE NTC Mrs. L Uma Maheshwari,	15-12-2023	**First Prize: Rs 2000/-**
2	22R11A6769	Shreyas Mogili				**Second Prize: Rs 1500/-**
3	21R11A04K7	Tejaswi Ravipati				**Third Prize: Rs 1000/-**

7.Details of Industry visits organized/planned by the departments

S No	Dept	Associated Industry, Address	Visit provided to (Year / section)	Date of visit	Faculty Coordinator	No. of students visited	Remarks
1	ECE	LED chip Indus Pvt.Ltd, Kushaiguda.	B.Tech II Year students	06-12-2023 and 07-12-2023	Prof.O.V.P.R. Siva Kumar and Mrs. V.S. Padma Priya	Day-1: 66 Students Day-2: 60 students	---
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8. Any other relevant/significant information:

- Mrs. B.Sreelatha Received Certificate of Appreciation for being recognized as NPTEL DISCIPLINE STAR in CSE during JUL-DEC 2023
- Mrs. M. Laxmi Received a Certificate of Appreciation for being recognized as an NPTEL DISCIPLINE STAR in CSE from July to December 2023.
- Mrs.S.Jyothirmayee Volunteered as a proctor to guide and monitor competing teams during the IEEE Xtreme 17.0 programming competition, which had over 17,000 participants on October 29th, 2023

- VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET) has organized a paper presentation competition on recent technology, "Convergence," on December 14, 2023. From our GCET 7 students from ECE and 1 students from CSE have presented their research papers in Convergence

Student details:

S.No	Roll Number	Name of the student	Name of the Department	Title of the Paper
1	22R11A0461	Ch Pruthvi Raj	ECE	Resnet Based Plant Disease Identification System Using Deep Learning
2	22R11A0555	D.Sreeja Reddy	CSE	
3	22R11A0453	Anegama Laya	ECE	Automobile Tyre Friction Damage Estimation Using Deep Learning
4	22R11A04K2	Yashika Agarwal	ECE	
5	22R11A0474	Lingam Karthik	ECE	
6	22R11A0457	Boddu Rashmitha	ECE	Predicting of timeline seasonal fruits
7	22R11A0440	Priyanka Singh	ECE	
8	22R11A04G5	Kodidala Santhoshi	ECE	

- The Department of ECE has organized an international conference on Machine Learning for Signal Processing, Communications, and Control Systems (ICMSCC) 2023 from 15.12.2023 to 16.12.2023 at Geethanjali College of Engineering and Technology. 7 students from ECE and one from ECE have presented their ground-breaking research papers, which have been subsequently published in the International Journal of Engineering and Scientific Research Review (IJESRR) after rigorous peer review

Student details:

S.No	Roll Number	Name of the student	Name of the Department	Title of the Paper
1	22R11A0440	Priyanka Singh	ECE	Resnet Based Plant Disease Identification System Using Deep Learning
2	22R11A0555	D.Sreeja Reddy	CSE	
3	22R11A0453	Anegama Laya	ECE	Automobile Tyre Friction Damage Estimation Using Deep Learning
4	22R11A04K2	Yashika Agarwal	ECE	
5	22R11A0460	Dudekula Rafi	ECE	AI Enabled floor cleaning Robot
6	22R11A0412	Mohammed Arif	ECE	

- The Department of ECE has organized an international conference on Machine Learning for Signal Processing, Communications, and Control Systems (ICMSCC) 2023 from 15.12.2023 to 16.12.2023 in Association With International Association of Research and Developed Organization (IARDO) [Under the Banner of India Educational Charitable Trust (Regd.)] Ghaziabad (India) (www.iardo.com) and Conference World (www.conferenceworld.in).

  Program Chair: Prof. B. Hari Kumar, Dean, SE & CE

  Organizing Chair: Dr. P Srihari, Dean R & D

  General Chair: Dr. G. Sreelakshmi, HoD, ECE

  Program Secretaries: Dr. M Jagan Mohan Rao and Dr. M. Shoukath Ali

Signature of faculty member in-charge
Dr.Appala Raju Uppala

Signature of Head of the Department
Dr. G .Sreelakshmi



VAC Classes



Industrial Visit





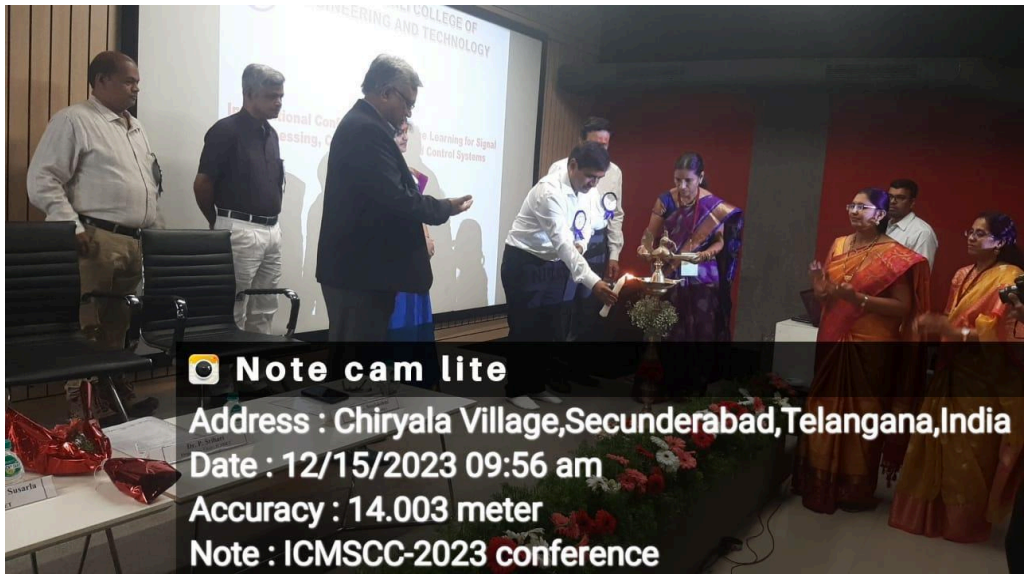
Parent Teacher meeting



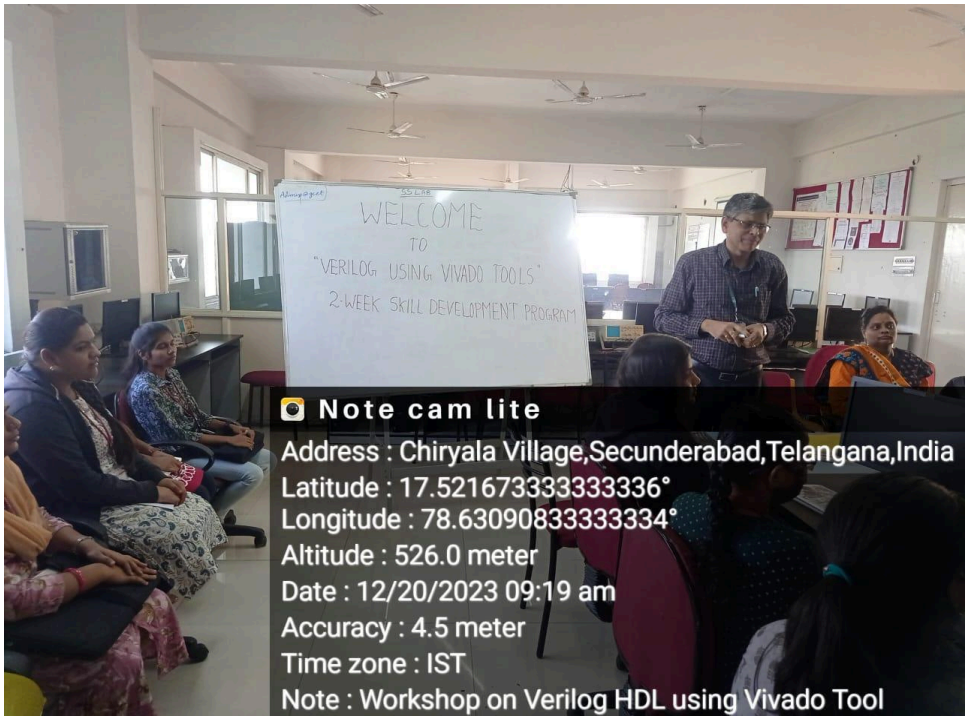


Guest lecture






GPS Map Camera
Secunderabad, Telangana, India
GJCJ+3Q2, Cheryaal, Secunderabad, Cheeriyal, Telangana 501301, India
Lat 17.520313°
Long 78.631689°
03/01/24 03:06 PM GMT +05:30
Google



For 3rd Year Students 2 Weeks Skill Development Program on Verilog HDL using Vivado Tool on 20/12/2023