'GEETHANJALI COLLGE OF ENGNEERING & TECHNOLOGY

Department's Monthly Report :April - 2022

1.Guest Lectures. Furnish the list of guest lectures 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	A.Srinivasa Rao	General Manager, BSNL-Mobile Communication, Visakhapatnam	5G Cellular Services in India and Career Opportunities on 08-04-2022	III-B.Tech ECE Students	Dr.Soukath Ali, Associate Professor	1.Applications of 5G
2	Dr Chakravattula Kiran	Associate Professor, Dept. of Electronics and Instrumentation Engineering, VNRVJIET, Hyderabad.	Work place Rights & Responsibilities on 14-04-2022	II-B.Tech ECE Students	Ms.ARL Padmaja Mr. M.Chathar Singh	1. To understand the Values and Ethical Behavior in the personal and Professional lives.
3	Mr. K.V.K Guptha	Managing Director, LEDChip Indus Pvt. Ltd, Hyderabad	Emerging Applications of LED 0n 24th April 2022 **Topic:** RADAR Systems and its Applications in Weather Forecasting	II-B.Tech ECE Students	Mrs. B. Suneetha, Assistant Professor	1. Understanding the concept of LED and its applications perspective. 2.Knowing the importance of LED in emerging applications

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
1	Two-day workshop on "VLSI Design flow using CADENCE Tools **Faculty Coordinators:** Mr.M.Chatharsing, Assistant Professor, Mr.G.Ramachandra kumar, Assistant Professor	Faculty, CoE –VLSI students and IEEE –CAS students	11 th to 12th April 2022	Faculty :10 Students : 23	1. Schematic design using Virtuoso Schematic Editor. 2. Source the setup file and run cadence. 3. Source the setup file and run in cadence 4. Create a new library & create new schematic 5. Create a symbol and simulation using analog design Environment Circuit simulation using ADE L 6. Layout design using Virtuoso Layout Editor 7. Physical verification using Assura 8. To perform DRC check Post layout simulation using ADE L after that .gds file created and it is saved in our directory.

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

Name of the Faculty	Nature of program attended: conference/workshop etc..	Title of the Program	Date(s) attended	Sponsored body/institute
Dr.R.V.Durga, ***Students:*** G.Hasya, Sravani, S.N.Nayak	International Conferences	presented a paper titled" Design, Implementation And Machine Learning Analysis of Frequency Reconfigurable Micro strip Antenna For Defense Applications". International Conference On Sustainable Computing And Data Communication Systems (ICSCDS-2022), Chennai, ISBN: 978-1-6654-7883-0	7th to 9th April,2022	Shree Venkateswara Hi-Tech Engineering College, Erode,India

Dr.R.V.Durga, ***Student:*** G.Hasya	International Conference	presented a paper titled" Design and Implementation of CPW-fed Microstrip patch Antenna, Synthesis, and Analysis using MLP and Machine Learning for Wireless Applications". International Conference on Sustainable Computing and Data Communication Systems (ICSCDS-2022), Chennai, ISBN: 978-1-6654-7883-0	7^{th} to 9^{th} April,2022	Shree Venkateswara Hi-Tech Engineering College, Erode,India
Dr.R.V.Durga, ***Students:*** Preethi, R.Divya, Harsha vardhan	International Conference	**Paper accepted**, titled "Prediction of Heart Disease using Machine Learning Algorithms" . registered for the International Conference on Recent Trends in Engineering Technology and Management(ICRTETM-2022), Chennai, India	---	---
Dr.R.V.Durga, ***Students:*** G.Hasya, Sravani, S.N.Nayak	International Conference	**Paper accepted**, titled "Design and Implementation of CPW-fed Reconfigurable Micro strip Antenna with defected ground structure, Synthesis and Analysis using MLP and Machine Learning for Wireless Applications". International Conference on Recent Trends in Engineering Technology and Management (ICRTETM-2022), Chennai, India.	----	---
Mr.B Ramu	International Conference	presented the paper tilted Brain Tumor Detection Using Artificial Convolutional Neural Network in the "4th International e-Conference on Intelligent Circuits and Systems (ICICS2022)	April 8-9th, 2022	Lovely Professional University, Punjab
M.Laxmi	one week IETE approved international faculty development program	21st century: Recent trends, challenges and future roadmap for transitions in technological development	25th to 30th April 2022	IRO,YCCE Nagpur

M.Sowjanya	one week IETE approved international faculty development program	21st century: Recent trends, challenges and future roadmap for transitions in technological development	25th to 30th April 2022	IRO,YCCE Nagpur
Y.Nagalakshmi	one week IETE approved international faculty development program	21st century: Recent trends, challenges and future roadmap for transitions in technological development	25th to 30th April 2022	IRO,YCCE Nagpur
S.Jyothirmayee	one week IETE approved international faculty development program	21st century: Recent trends, challenges and future roadmap for transitions in technological development	25th to 30th April 2022	IRO,YCCE Nagpur
Y.Nagalakshmi	Udemy Certificate	**Course Title:** Learnini Silvaco for Semiconductor Simulation	24th april 2022	Udemy
G.Sreelakshmi	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
VVSVS Ramachandram	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
J.Mrudula	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
J.Sravana	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
Prof.OVPR Siva Kumar	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
Dr.R.Santosh	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
U.Nageswara Rao	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
M.Jagan Mohan Rao	Two-day workshop	VLSI Design flow using CADENCE Tools	11 th to 12th April 2022	GCET
Dr.Valli Sree	NPTEL Course Certificate	Design Thinking	Feb-March,2022	NPTEL

S.Yagnasree	NPTEL Course Certificate	Machine Learning For Soil And Crop Management	Jan-April,2022	NPTEL
M.Laxmi	NPTEL Course Certificate	Microprocessors and Interfacing	Jan-April,2022	NPTEL
M.Anand	NPTEL Course Certificate	Machine Learning For Soil And Crop Management	Jan-April,2022	NPTEL
G.Sreelakshmi	NPTEL Course Certificate	Microprocessors and Interfacing	Jan-April,2022	NPTEL

4. Details of Research Publications.

S. No	List of Authors	Title of the Paper	Journal Name	Year of Publication	ISBN/ ISSN/	Scopus Index / SCI
1	Dr.P.Vijaya Bhaskar	Neural Networks and MLP Classifications Based Speech Emotion Recognition	International Journal of Special Education	2022	Vol.37,No3,PP 8851-8858 ISSN: 0827-3383	Scopus
2	Y.Naga Lakshmi					
3	M.Uma Rani					
4	Dr.B.L.Prakash **Students:** K.Rukmini, B. Swapna	Automated Attendance system using Face Recognition	(IJSER) International Journal of Scientific & Engineering Research	April 2022	Vol:13, Issue:04, 2022, pp:358-362 ISSN: 2229-5518	-----

5.Students Higher Education Data.

S. No	Roll No.	Name of the student	Name of the program and University	TOEFL/ GRE/ GMAT/ IELTES Score, if any
1	17R11A04B4	J. Sai Krishna Chaitanya	MS in USA	IELTS Score: 6.5
2	17R11A04D5	P. Charith	MS in USA	IELTS Score: 7.0

3	16R11A04F9	K. Madhu Sudhan Reddy	MS in UK	Not required for UK
4	19R15A0404	B. Manoj Kumar	MS in USA	IELTS Score: 6.5
5	17R11A0430	Bhavya Moturi	MS in USA	GRE Score:322.5/346
6	17R11A0464	J. Arpitha	MS in USA	IELTS Score: 6.5

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

i)Co-Curricular activities

S. No	Faculty coordinators	Name of the Student Coordinators	Name of the Event	Organized by, specify College/University	Date(s) of Participation	Specify Prize(s) won, if any
BHASWARA 2K2 Overall Coordinators: R.Odaiah and Appala Raju Uppala						
1	Dr.S.Vallisree	P. Akshaya – 19R11A0483	**Circuit Challenger** (53 students participated)	GCET	28-04-2022	**First Prize:** Paila Abhinaya Reddy 21R11 A0591
2	Mr.M.Anand	A. Sai Rakesh Reddy –19R11A0451				**Second Prize:** Danda Sravani Jyothi 19R11A0213
3	B.sreelatha	B.Navya – ECE-3A	**Circuit Hunt** (67 students participated)	GCET	28-04-2022	**First Prize:** S.Manikanta V.Varun
4	A.Subramanyam	M.Harsha Vardhan ECE-3A				**Second Prize:** Padakanti Shravya, V.Kalyan, Yejarla Brahmani

5	Dr. R. Santosh	P. Hemanth – 19R11A0486	**Electro Mania** (83 students participated)	GCET	28-04-2022	**First Prize:** P.Sai Vrdhan Reddy
6	Mrs. Savitri Padma Priya	M. Sri Laasya – 19R11A0429				**Second Prize:** K.Pavan Sai Teja
7	Dr.S.Saritha	C.Navya Sree	**Electronica** (83 students participated)	GCET	28-04-2022	**Winners:** G. SANNIHITHA-CSE (19R11A04G6)- K. AKHILA – CSE (19R11A05H4)- B RAMYASRI-ECE -(19R11A04E9) M ASHISH-ECE-(21R11A0484)
8	U.Nageswara Rao	M.Srija Reddy				**Runners:** B NIKHIL – ECE (19R11A04K7)- B SACHIN ECE (19R11A04K9)- PS MANASA CSE (19R11A0529)- VL DEEPAK CSE (21R11A66K1)
9	Dr.R.V.Durga	P. Bhavya Sai	**Paper presentation** (13 students participated)	GCET	28-04-2022	**First Prize:** J Manish 20R11A0482 Lakshmi Shreya Ivaturi 20R11A0481 **Second Prize:** GODAVARTHY HAASYA 18R11A04A8 **Third Prize:** Challa Sri Gouri 19311A0462
10	M. Jaganmohan Rao	KVK Sai Sriharsha				

						Maliha 20311A0489
11	Dr. V. Satya Srinivas		**Poster presentation** (03 students participated)	GCET	28-04-2022	**First Prize:** Y. Sai Samhitha 20R11A6659 **Second Prize:** A.Gayatri 21R11A04A7 **Third Prize:** M. Aditya 19R11A04C2
12	Mrs. B. Suneetha					
13	Dr.B.Leela Ram Prakash	Saketh.Yama	**TECHEXPO-22** (107 students participated)	GCET	29-04-2022	--
14	Mrs.S.Jyothirmayee	S.Dheeraj and Sree Harsha				--

TECHEXPO-22

Software Project Winner Teams

	Roll Number	Name	Title of the Project	Prize	Amount	
	18R11A0496	Y.Sri Vatsa	IoT Social Distance Monitoring Robot Using Rasberry Pi	I	Rs.3000/-	
	18R11A04N6	Manthri Karthik	Air Canvas using OpenCV and Python	II	Rs.2500/-	
	18R11A04P1	P.Sri Harsha				
	19R11A04N1	M.Kalyan	Documan	III	Rs.2000/-	
	19R11A05C9	P.Badrinath Reddy	Exam Branch OMR Sheet Scanner	IV	Rs.1500/-	
	19R11A05B5	L.Vinay Reddy				
	19R11A05D7	S.Rahul Pasha				

	18R11A04C9	S Sai Pranay	Object detection and Conversion of name to Speech	V	Rs.1000/-	
	18R11A04D9	Sree ramula Pradeep				
	TECHEXPO-22 *Hardware project Winner Teams*					
	Roll Number	**Name**	**Title of the Project**	**Prize**	**Amount**	
	19R11A04438	Sujit Rayaprolu	8-bit CPU	I	Rs.3000/-	
	19R11A04426	M.Harsha Vardhan				
	19R11A05F5	D.Harshith Varma				
	18R11A0428	K.Tejaswi	A Prototype whell chair controlled through voice and gesture Commands	II	Rs.2500/-	
	19R15A0402	A.Jayanth				
	18R11A0437	P.Sudha Manasa				
	18R11A0436	Polakam Vinod Kumar	Automated Food Serving Robot	III	Rs.2000/-	
	18R11A0429	Kondamgari Sai Sreeram				
	18R11A0401	Amadhapaku Raju				
	20R11A0481	I.Lakshmi Shreya	Finger Print Authentication Voting Machine	IV	Rs.1500/-	
	20R11A0482	J.Manish				
	18R11A0408	C.V.G.Prasad Varma	Voice Assistive Smart Walking Stick for Visually Challenged Persons	V	Rs.1000/-	
	18R11A0409	Ch.Sushma				
	18R11A0447	Y.Fayazuddin				

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	**Regional Telecom Training Center (BSNL)**	B. Tech ECE III Year-II Sem students	19th April 2022	**Co-Ordinator, Industrial Visits** :	53- Students 02- faculty	--

					Ms. B. Suneetha, GCET, Keesara **Convenor, Industrial Visits**: Prof. OVPR Siva Kumar		

8.Any other relevant/significant information:

Signature of faculty member in-charge
(Appala Raju Uppala)

Signature of Head of the Department
Dr.S.Suryanarayana