

'GEETHANJALI COLLEGE OF ENGINEERING & 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 On 24 th 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 | <p>Two-day workshop on “VLSI Design flow using CADENCE Tools</p> <p>Faculty Coordinators:</p> <p>Mr.M.Chatharsing, Assistant Professor, Mr.G.Ramachandra kumar, Assistant Professor</p> | Faculty, CoE –VLSI students and IEEE –CAS students | 11 th to 12 th April 2022 | Faculty :10 Students : 23 | <ol style="list-style-type: none"> 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 6. Circuit simulation using ADE L 7. Layout design using Virtuoso Layout Editor 8. Physical verification using Assura 9. 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 | 7 th to 9 th April,2022 | Shree Venkateswara Hi-Tech Engineering College, Erode,India |

| | | | | |
|---|---|--|--|---|
| Dr.R.V.Durga, <i>Student:</i> 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, <i>Students:</i> 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, <i>Students:</i> 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 | 24 th april 2022 | Udemy |
| G.Sreelakshmi | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th April 2022 | GCET |
| VVSVS Ramachandram | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th April 2022 | GCET |
| J.Mrudula | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th April 2022 | GCET |
| J.Sravana | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th April 2022 | GCET |
| Prof.OVPR Siva Kumar | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th April 2022 | GCET |
| Dr.R.Santosh | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th April 2022 | GCET |
| U.Nageswara Rao | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th April 2022 | GCET |
| M.Jagan Mohan Rao | Two-day workshop | VLSI Design flow using CADENCE Tools | 11 th to 12 th 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,P P 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/ IELTSE 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 |
| 10 | M. Jaganmohan Rao | KVK Sai Sriharsha | | | | Third Prize: Challa Sri Gouri 19311A0462 |

| | | | | | | 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 <i>Software Project Winner Teams</i> | | | | | |
| 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 | | | | |
| | | | | | | |

TECDEXPO-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 | 19 th 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