GEETHANJALI COLLGE OF ENGNEERING & TECHNOLOGY

Department's Monthly Report: August-2023

1. <u>Guest Lectures</u>. 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) |
|----------|--------------------------------|------------------------------|---------------------------------|---|--|
| 1 | G.Praveen Kumar-CSE | Department of CSE, GCET | Workshop on "3D Printing" | 3 rd Year B.Tech (CSE and ECE) | G.Praveen Kumar-CSE (Overall Co-ordinaor) M.Anand (Co-ordinator) |
| 2 | M.Anand | Department of ECE, GCET | Workshop on "Business Start-up" | 3 rd Year B.Tech (ECE) | M.Anand (Co-ordinator) |

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

| S.No. | Name of the Faculty | Nature of program attended: workshop etc. | Title of the Program | Date(s) attended | Sponsored body/institute |
|-------|---------------------|---|---|--------------------------------|--|
| 1 | Dr.Appala Raju. U | Workshop | VLSI to System Design: Silicon to End Applicati on Approach | 31-07-2023 to 4-08-2023 | AICTE, Arm Education and STMicroelectronics |
| 2 | Dr.Appala Raju. U | National level FDP | Clod Infrastructure (AWS) | 21-08-2023 to 25-08-2023 | Brain o vision solutions India Pvt Ltd and AICTE. |
| 3 | Dr.G.Sreelakshmi | Internship | Xilinx SoC Design Flow | 17-07-2023 to 17-08-2023 | Sandeepani School of Embedded System Design, Bangalore |

| 4 | Dr.G.Sreelakshmi | Webinar | Designing with Versal Adaptive SoC: Architecture and Methodology | 21-08-2023 | in association with CoreEL Technologies and AMD-Xilinx |
|----|-----------------------------|--------------------|---|--------------------------------|---|
| 5 | Dr.G.Sreelakshmi | Workshop | VLSI to System Design: Silicon to End Applicati on Approach | 31-07-2023 to 4-08-2023 | AICTE, Arm Education and STMicroelectronics |
| 6 | Mrs.M.Laxmi | Webinar | Designing Course Outcomes and Outcomes-focused questions | 04-08-2023 | Inpods Ed-tech. |
| 7 | Mrs. D.Madhavi Latha | Workshop | VLSI to System Design: Silicon to End Applicati on Approach | 31-07-2023 to 4-08-2023 | AICTE, Arm Education and STMicroelectronics |
| 8 | Mrs.V S Padma Priya | FDP | Green Communications in 5G Use cases | 21-08-2023 to 25-08-2023 | CVR College of Engineering, Hyderabad |
| 9 | Mr.G. Rama Chandra Kumar | Workshop | VLSI to System Design: Silicon to End Applicati on Approach | 31-07-2023 to 4-08-2023 | AICTE, Arm Education and STMicroelectronics |
| 10 | Prof. O.V.P.R.Siva Kumar | Workshop | VLSI to System Design: Silicon to End Applicati on Approach | 31-07-2023 to 4-08-2023 | AICTE, Arm Education and STMicroelectronics |
| 11 | Mrs. Y.Nagalakshmi | National level FDP | Clod Infrastructure (AWS) | 21-08-2023 to 25-08-2023 | Brain o vision solutions India Pvt Ltd and AICTE. |
| 12 | Mrs.S.Jyothirmayee | FDP | Recent Trends in the Industrial Internet of Things (IIOT) in a 5G Environment | 21-08-2023 to 25-08-2023 | SERB- DST At Gurunanak Institutions Technical Campus, Hyderabad, |

3. Details of Research Publications.

Journal Papers:

| S. No | List of Authors | Title of the Paper | Journal Name | Year of Publication | ISBN/ | Scopus Inde |
|-------|--------------------|---|-----------------------------------|--|--------------------|-------------|
| | | | | | ISSN/ | / SCI |
| 1 | Mrs.A. R L Padmaja | IOT BASED AUTOMATIC MANHOLE COVER CONTROLLING MECHANISM FOR SMART CITIES | Industrial Engineering Journal | Volume : 52, Issue 8, August : 2023 | ISSN: 0970-2555 | UGC Care |

Conference Papers:

| S. No | List of Authors | Title of the Paper | Conference Name | Year of Publication | ISBN/ ISSN/ | Indexing |
|----------|-----------------------|---|---|---|---|----------|
| 1 | Dr.G.Vallathan | An Analysis and study of Brain Cancer with RNN algorithm based AI Techniques | 2 nd IEEE International conference on Augmented Intelligence and Sustainable Systems (ICAISS-2023) | Presented paper (23-25, August, 2023) | | Scopus |
| 2 | Mr.K.Rama Rao | Time Series Crypto currency Forecasting using Ensemble Deep Learning | International Conference on Circuit Power and Computing Technologies (ICCPCT-2023) | Presented paper (10-11, August, 2023) | | Scopus |
| 3 | Mrs.Y.Nagalakshm i | On the Potential of AlGaN/GaN HFET for Extreme Environment Electronics | AIP Conf. Proc. 2800, 020100 (2023) | Research Article September 08 2023 | https://doi.org/ 10.1063/5.016 3508 | |

4. Faculty Interaction with Outside world:

| S. No | Name of the faculty | Designation | Date | Role | Торіс | Name of the hosting organization |
|-------|---------------------|------------------------|--------------------------------|--------------------|--|---|
| 1 | Dr. G.Sreelakshmi | Associate Professor | 01-08-2023 to 31-08-2023 | Resource Person | Online Workshop conducted in Association with RBG's Buds Engineering Academy on AI ML for Internet of Things | IETE, Pune Center |
| 2 | Dr. G.Sreelakshmi | Associate Professor | 18-09-2023 | Reviewer | Archives of Current Research International-2023 | |
| 3 | Dr. G.Sreelakshmi | Associate Professor | 21-09-2023 | Member | Indian Society For VLSI Education, Ranchi | Organized by ISVE at Advanced Regional Telecom Training Centre, BSNL, Ranchi. |

Certifications:

| S. No | Name of the faculty | Designation | Date | Organized by | Name of the Course | Remarks |
|-------|----------------------|---------------------|------------|--------------------------------|---|-----------|
| 1 | Mrs. D.Madhavi Latha | Assistant Professor | 11-09-2023 | MSME-TDC , EFC-New Delhi | VLSI Design [From 24.07.2023 to 24.08.2023 (96 hrs.)] | Completed |

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. | 19R11A04N0 | L. Lokesh Goud | Ms in USA | Duolingo Score : 130 |
| 2. | 19R11A0454 | B. Ramu | Ms in USA | GRE Score :321.5/346 TOEFL IBT Sore :91/120 |
| 3. | 19R11A04P2 | V.Samhitha | Ms in USA | IELTS Score :7.5 |
| 4. | 15R11A0469 | Ch. Neeraj Paul | Ms in Canada | Duolingo Score : 130 GRE Score : 297.5/346 |
| 5. | 19R11A04B6 | K. Lahari | Ms in USA | IELTS Score : 8.0 GRE Score : 319/346 |
| 6. | 19R11A04H9 | P. Sruthi | Ms in USA | IELTS Score : 6.0 |
| 7. | 19R11A04F0 | Ch. Akshitha | Ms in USA | IELTS Score : 6.0 |
| 8. | 19R11A0404 | B. Kalyan Varma | Ms in USA | GRE Score : 322/346 |

6. <u>Details of NSS activities taken place</u> (Overall Coordinator : Mr.R.Odaiah)

| S. No. | Activity details | Date(s) | Organized by |
|--------|-----------------------|------------|--------------------|
| S. No. | | | College/University |
| 1 | Haritha Haram Program | 01-08-2023 | GCET |

7. Any other relevant/significant information:

The following faculty members of ECE visited CVEST (Center of Excellence in VLSI and Embedded System Technology) in IIIT Hyderabad on 24th August, 2023. They met Dr. Zia Abbas, Assistant Professor at IIIT Hyderabad, and discussed the ongoing research project and kits like Zynq Ultrascale Boards.

Prof. O.V.P.R. Sivakumar, Dr.G. Vallathan, Dr.G. Sreelakshmi, Mr. Anand and Mr. Ramachandrakumar

The Following projects are Short listed for ARM Inventors Challenge 2023

| S.No. | Idea of the Project | Name of the Faculty Mentor |
|-------|---|--|
| 1 | Smart Traffic Pollution Control System | Mrs.M.Laxmi |
| 2. | Smart Bogie Waste Management System and Platform Extension System | Dr.G.Sreelakshmi and mr. G.Rama Chandra Kumar |

□ Prof. B.Hari Kumar, Dean School of Electrical and Communication Engineering address the First year students along with In- charges of professional bodies and department professors on 1st August, 2023.

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

Signature of Head of the Department Dr.M.A. Khadar Baba

















