

**‘GEETHANJALI COLLEGE OF ENGINEERING & TECHNOLOGY**

**Department's Monthly Report :June - 2022**

**1.Guest Lectures. Furnish the list of guest lecturers / Workshop 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     | Tamil Mukilan and S. Sunil, | Engineer Apply Volt          | <b>MATE PCB prototype making machine</b> | ECE Faculty and lab technicians | Mrs. Savitri Padma Priya          | To understand the functionality of PCB making machine and avail hands on experience in printing signal trace on a PCB |

**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     | <b>Python Programming</b> | B.Tech II Year ECE students | 05-06-2022        | 150                      | To help them in getting admission in MS in the domain of computer science |         |

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

| Name of the Faculty                                      | Nature of program attended:<br>conference/workshop etc.. | Title of the Program                                                             | Date(s) attended  | Sponsored body/institute                                                | Remarks             |
|----------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------|---------------------|
| Prof.B. Hari Kumar<br>Dr.B.L.PRAKASH<br>Dr. S. Vallisree | UGC-Webinar                                              | NEP-2020 Implementation Plan: Outcome Based Education & Academic Bank of Credits | June 28, 2022     | UGC-HRDC                                                                |                     |
| Prof.B. Hari Kumar<br>Dr.B.L.PRAKASH<br>Dr. S. Vallisree | UGC-Webinar                                              | NEP-2020 Implementation Plan: Multiple Entry and Exit System.                    | June 29, 2022     | UGC-HRDC                                                                |                     |
| Dr.B.L.PRAKASH                                           | UGC-Webinar                                              | Academic Research Integrity in the context of NEP-2020                           | June 30, 2022     | UGC-HRDC                                                                |                     |
| B. Sreelatha<br>Y. Nagalakshmi                           | 5 days FDP                                               | Recent Trends in Communication Systems                                           | June 21-25, 2022  | Lakireddy<br>Bali Reddy<br>College of<br>Engineering,<br>Andhra Pradesh |                     |
| J. Mrudula                                               | One week online Short Term Course                        | Emerging Trends in Signal Processing, Communication and VLSI (ETSPCV-2022)       | June 06-11, 2022. | Department of ECE NIT, Delhi                                            |                     |
| M.Anand                                                  | HRDC (Human Resource Development Centre)                 | <b>Short Term Course on Industry 4.0</b>                                         | June 13-18, 2022  | Lovely Professional University                                          | Obtained "B" Grade. |

#### 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. B. Leelaram Prakash                                                                 | Contactless Toll Collection System using RFID Technique                                                                                                                                  | International Journal of Scientific & Engineering Research (IJSER)    | June-2022                       | Volume:13, Issue 6, ISSN 2229-5518,                  | UGC care           |
| 2     | Dr. R. V. Durga,<br>Students: G.Hasya, Sravani, S.N.Nayak                               | 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 | IEEE Explore                                                          | which will be held in July 2022 | Conference Paper                                     | Scopus             |
| 3     | Dr. S. Suryanarayana<br>Students: Masapeta Harika, Ashika Chkravarthy Katta,N. Sameetha | Embedded Smart Gardget For Public Safety                                                                                                                                                 | Dickensian Journal                                                    | June 2022                       | Volume:22, Issue:06, pg no: 399-403, ISSN: 0012-2440 | Scopus             |
| 4     | Dr. S. Suryanarayana A. Raju<br>Students: P. Vino Kumar, K. Saisreeram                  | Smart Body Temperature And Attendance Recording System                                                                                                                                   | Gradiva Review Journal                                                | June 2022                       | Volume:08, Issue:06, pg no: 14-19, ISSN: 0363-8057   | Scopus             |
| 6     | M.Krishna, and M.Chathar Singh                                                          | Design of Filter Circuits for RF Applications using a VDTA                                                                                                                               | International Journal of Early Childhood Special Education (INT-JECS) | June 2022                       | ISSN: 1308-5581 Vol 14, Issue 03                     | Scopus             |

**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.    | 15R11A04B8 | V. Sai Prakash Reddy  | Ms in USA                          | TOEFEL Score :92/120                         |
| 2.    | 18R11A04A4 | Dudi Anuhya           | Ms in UK                           | Score card not required for University of UK |
| 3.    | 14R11A0449 | Saranga Sai Kiran     | Ms in USA                          | IELTS Score : 6.5                            |
| 4.    | 14R11A04H7 | Veldurthy Sai Keerthi | Ms in Canada                       | IELTS Score : 6.0                            |
| 5.    | 14R11A04C0 | Amrumilli Lekya       | Ms in USA                          | Score card not required for that University  |
| 6.    | 14R11A04H3 | U. Sai Manaswini      | Ms in USA                          | Score card not required for that University  |
| 7.    | 15R11A0436 | Manish Gowde          | Ms in USA                          | IELTS Score : 6.5                            |

**6.Details of Patent/ Ongoing Projects / Consultancy**

| Title/ Description                                                                                                                 | Principal investigator | Duration/ time period                                                  | Sponsoring Organization | Funding Amount | Remarks / Present Status |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------------------------------------|-------------------------|----------------|--------------------------|
| <b>Machine Learning Based approach to compare and contrast Pros and Cons of Lithium-ion Batteries against sodium ion batteries</b> | M. Sowjanya Reddy      | Application Number<br>202231029666 A<br>Publishing Date:<br>24-06-2022 | Self                    | -              | -                        |

### 7.Any other relevant/significant information:

- GCET in association with JHUB, T-HUB, JNTUH was organized “**Regional Level 36 hour Hackathon-2022**” during June 11-12, 2022. A total of 85 batches registered for this from various colleges out of which 25 were ECE students of our college. Around 289 students enthusiastically participated with solutions to various Sustainable Development Goals (17 SDGs proposed by UN).
- **Asifa Anjum Shaik** (20R11A0405), **A.Venu Gopal** (20R11A0403), and **D. Gowtham** (20R11A0418) from ECE II year won the 2nd prize in Hackathon-2k22 for the project titled “**Contactless Sanitization**”
- A Bootcamp workshop was organized by industry experts on June 10, 2022 to train the students for Hackathon. Industry experts from T. Hub, Tech Mahindra, JHUB.
- **Mr. Rahul** from II year ECE student team named as Drona Cricket Academy won gold cup in Cricket Tournament Season 8.
- K. Badrinadh, Ch. Ananya, Shanmukha Sai Datta, B.Deekshith Reddy, T.Manish, B.Nikitha and K.Chetna Goud of II year ECE, GCET participated in the Hackathon-2022, held during June 3-4, 2022, organized by J-Hub, JNTUH and hosted by CVR College of Engineering.

Signature of faculty member in-charge

**Appala Raju Uppala**

Signature of Head of the Department

**Dr.S.Vallisree**

