# PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
## MONTHLY REPORT- DECEMBER-2022.

1. **Workshops/Seminars/Guest Lectures/Training Programs/Symposiums organized:**

   i. The Department of CSE organized a Guest Lecture on "Importance of Foundational Courses and its Real world Applications" on 5-12-2022.



**Resource Person:** Mr. A. Goutham, Assoc.Prof., Dept. of EECS, University of Cincinnati.

**Coordinators:** 1. Dr. M. Sailaja, Asst.Prof.
               2.Ms. A. Divya, Asst.Prof.

   ii. The Department of CSE organized a Guest Lecture on "Opportunities for Advanced Studies in CSE" on 5-12-2022.
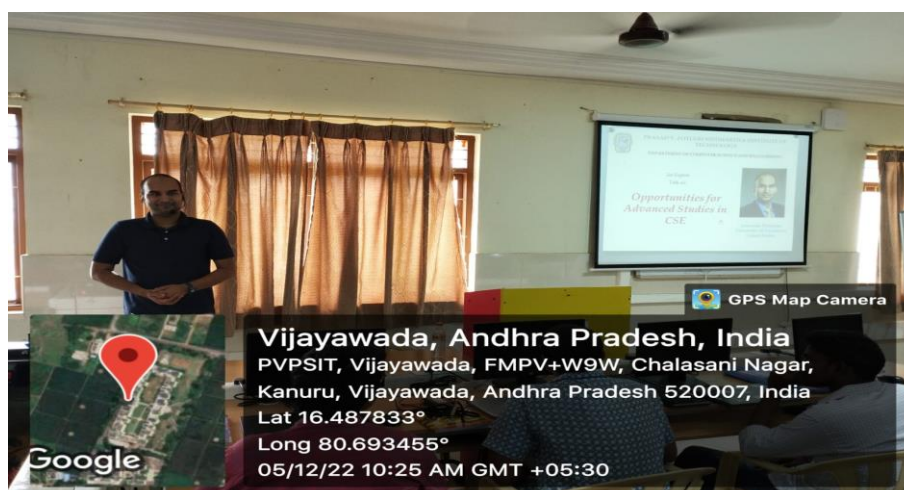


**Resource Person:** Mr. A. Goutham, Assoc.Prof., Dept. of EECS, University of Cincinnati.

**Coordinators:** 1. Dr. B. Lakshmi Ramani, Asst.Prof.

iii. AI&DS Research group, **department of CSE organized** 1-Day Expert Talk on "Creating Applied Research Ecosystem" on 28-12-22.



**Resource Person:** Dr Sunil Kumar Vuppala, Director-Data Science, Ericsson Global AI Accelerator, Banglore

**Coordinators:** 1. Dr. P. Naga Srinivasu, Assoc.Prof.
2.Mr. A. Prashanth, Asst.Prof.

iv. **As a part of Industry Institute interaction, the department of CSE organized** Webinar for the course Data Science on "Industry Perspective on Regression and Classification" on 05-12-22.



**Resource Person:** Dr Sunil Kumar Vuppala, Director-Data Science, Ericsson Global AI Accelerator, Banglore.

**Course Coordinator**: Dr. B. Lakshmi Ramani, Asst. Prof.

2. **Papers presented in Seminars/Conferences/Symposiums by the faculty: NIL**

**3. Workshops/ Seminars/STTP/Conferences/Faculty Development Programmes/Awareness programmes attended by the faculty:**

**a) Seminars/Webinars: NIL**

**b) Workshops: NIL**

**c) STTP/STCs:**

i. Dr S.Phani Praveen participated in 1-Week Online Short-Term Course on "End-to-End Data Science Product Development" orgnised by Sir C R Reddy College of Engineering, Eluru in association with CCE, NIT Warangal from 05-12-22 to 09-12-22

**d) Faculty Development Programmes:**

i. Ms P.Dedeepya participated in 1-Week FDP on" 21st century skills & Teaching Methodologies organized by APSCHE in association with CEMCA and Andhra Loyola college Vijayawada from 19-12-22to 22-12-22.

ii. Dr G.Lalitha Kumari,  Dr M.Sailaja,  Mrs Y.Surekha participated in 1-Week online FDP on" Recent Trends in Applications of Emerging Technologies" organized by VVIT, Nambur from 28-11-22 to 3-12-22.

iii. Dr A.Jaya Lakshmi, Dr N.V.Ramana Gupta participated in 1-Week online mode Professional Development Programme on " Emotional Intelligence" organized by NITTTR, Chennai from 28-11-22 to 02-12-22.

iv. Dr S.Madhavi participated in 2-Weeks ATAL FDP on "Quantum computing and Quantum information Technology:New Vertical of Computing Technology organized by Manipal Academy of Higher Education from 21-11-22 to 2-12-22.

v. Mr A.Prasanth participated in 1-Week FDP program on "Python Programming" organized by Infosys/Spring board from 17-10-22 to 21-10-22.

**e) Guest Lectures:**

i. Mr S.Krishna Kishore participated in1-Day Foreign Guest Lecture on "Digital Transformation of Modern Business: The 4th Industrial Revolution organized by VIT, AP University on 02-12-22.

**f) Awareness programmes/Interaction meet/ Certification Courses/Quizzes, etc:**

i. Mr S.Krishna Kishore certified Pearson Vue Certified Test Administrator from Pearson/VUE on 22-12-22.

### g) Conferences:

i. Mr D.Lokesh Sai Kumar participated in Sixth International Conference on Electronics, Communication and Aerospace Technology (ICECA 2022) organized by RVS Technical Campus, Coimbatore, Tamil Nadu, INDIA from 1-12-22 to 3-12-22.

ii. Dr S.Phani Praveen participated in International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2022) organized by CARE College of Engineering, Trichy, India from 24-11-22 to 26-11-22.

### h) Coursera: NIL

### i) NPTEL: NIL

### j) Projects applied for external agencies: NIL

## 4. Publications by the faculty (National/International Journals/ Conferences):

### a) Scopus indexed journals:

i. Ms.A.Ramana Lakshmi published a paper " Chemical Mining using Big Data Image Analytics with Deep Three-Dimensional Convolutional Neural Network" in European Chemical Bulletin, Vol-11, Issue-11, Nov-22, ISSN: 2063-5346 (**Scopus Indexing)**

### b) SCI/SCIE/ESCI indexed journals:

i. Dr.S.Madhavi published a paper " Optimal Remote Qubit Teleportation Using Node2vec" in Technical Gazatte, Vol-30, No-1, Dec-22, ISSN: 1330-3651 (SCIE) (Scopus Indexing)

ii. Dr.K.Koteswara Rao and Dr.G.Lalitha Kumari published a paper "A Novel Deep Convolutional Neural Network for Diagnosis of Skin Disease" in Traitement du Signal, Vol-39, No-5, Nov-22, ISSN: 1958-5608 (SCIE) (Scopus Indexing)

iii. Dr.S.Phani Praveen and Dr.P.Naga Srinivas published a paper " ResNet-32 and FastAI for diagnoses of duetal carcinoma from 2D tissue slides" in Scientific Reports, Vol-12, No-1, Dec-22, ISSN: 2045-2322 (SCIE) (Scopus Indexed)

iv. Dr.S.Phani Praveen published a paper "Chronic Kidney Disease Prediction Using ML-Based Neuro-Fuzzy Model" in International Journal of Image and Graphics, ISSN: 0219-4678 (ESCI) (Scopus Indexing) (Article in Press)

v. Dr.S.Phani Praveen published a paper " A robust framework for handling health care information based on machine learning and big data engineering techniques" in International

Journal of Healthcare Management, Dec-22, ISSN: 2047-9719 (ESCI) (Scopus Indexed) (Article in Press)

 **c) IEEE/Springer/Others Conferences:**

i. Dr.B.Lakshmi Ramani and Dr.B.Janakiramaih presented and published a paper "Fine-tuning for Transfer Learning of ResNet152 for Disease Identification in Tomato Leaves" in International Conference on Data Analytics, Intelligent Computing and Cyber Security ,Vol-315, 29-30 Dec-22, ISBN:978-981-19-4162-7. (Scopus Indexed)

 **d) UGC/other journals: NIL**

 **e) Conference Proceedings: NIL**

 **f) Book chapters: NIL**

 **g) Books: NIL**

5. **Faculty Achievements (Patents, Higher Qualification awarded, guest lectures given, awards and rewards, acted as a Resource person etc.):**

 a) **Patents: NIL**

 b) **Ph.Ds awarded: NIL**

 c) **Guest lectures delivered: NIL**

 d) **Awards/Rewards Received: NIL**

 e) **Reviewers of journals: NIL**

6. **Faculty Participation (as a Judge, Guest, or BOS member & chairing a session, etc.): NIL**

7. **MOOCs courses completed by the faculty: NIL**

8. **Industrial Visits: NIL**

9. **APSSDC: NIL**

10. **Students' achievements:**

 **a) Co-curricular Activities:**

i. 15 Students from II B.Tech CSE students participated in various technical events Winter notch 22 organized by VRSEC ,Vijayawada held on 26th November, 2022.

ii. On the eve of the Inter-Institutional Cultural Meet of 2022, which was held on December 28, 2022, Siddhartha Academy presented an appreciation award to the 1st Runner Up Befikar Farmers Team of Smart India Hackathon -22.

| Sl.No | Roll Number | Name | Team Details | Department |
|-------|-------------|------|--------------|------------|
| **1** | **19501A05A3** | **K. Gopichand** | **Team Leader** | **CSE** |

| 2 | 19501A0568 | G S V N S Susheel | Team Member | CSE |
|---|---|---|---|---|
| 3 | 19501A0577 | K.Narendra | Team Member | CSE |
| 4 | 19501A0578 | K.Pujitha | Team Member | CSE |
| 5 | 19501A05B4 | M.Tejaswi | Team Member | CSE |
| 6 | 19501A05B8 | M.Gayathri | Team Member | CSE |



iii. On the eve of the Inter-Institutional Cultural Meet of 2022, which was held on December 28, 2022, Siddhartha Academy presented an appreciation award to Mr. P. Gowthama Pranav Rahul ( 21501A05D8) who successfully crossed Palk Strait- 29 Km from Srilanka to India through swimming

**b) Extra-curricular Activities:**

   **i.** As a part of freshers day programme, the College Cultural Committee organised cultural events for B.Tech. I and II CSE students on December 3$^{rd}$, 2022, in the Open air Auditorium and 23 students actively participated in various cultural programs.



**c) Coursera/NPTEL/Other Certification details of the students: NIL**

**d) Student Publications: NIL**

**e) Internships: NIL**

**11. Higher Education:**

# GRE LIST

| S.NO | REG.NO | NAME | Exam Reg No |
|------|--------|------|-------------|
| **1.** | 19501A0519 | charan karthik naik banavath | 1761795 <br> December 23, 2022 |
| **2.** | 19501A0589 | charishma kethineedi | 1450406 <br> December 3, 2022 |
| **3.** | 19501A05F3 | Teja Polimetla | 1548111 <br> October 15, 2022 |

# IELTS LIST

| S.NO | REG.NO | NAME | Exam Reg No | SCORE |
|------|--------|------|-------------|-------|
| **1.** | 19501A05B1 | Maddipati Geeshma Sri Sai | W5819604 | 7.5 <br> Nov, 2022 |

**12. Other Information: NIL**

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