PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
MONTHLY REPORT- DECEEMBER-2021.

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

i. The department of CSE in association with ACM Student Chapter organized National Level Coding Competition" ACM-CODE-O-FIESTA" on December 18, 2021.

Coordinators: Dr.J. Rama Devi, Ms.T. Srilakshmi and ACM members.

ii. The department of CSE organized an awareness programme on "Importance of Higher Education" for III B.Tech Students on 22nd December 2021

Coordinators: Dr.B.L.Ramani, Ms.T.Srilakshmi, Dr.J.RamaDevi, Mr.A.Yuva Krishna

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

i. Dr. G. Lalitha Kumari, Ms. Y. Surekha, Dr. K.Koteswara Rao presented a paper " Efficient GSM Cloud Based Weather Monitoring Using WSN" in International Conference on International Cappadocia scientific research congress organized by IKSAD GLOBAL Institute of Economic Development and Social Research from 15-12-2021 to 17-12-2021.

ii. Mr. K. Vijay Kumar presented a paper " Improving the performance of a processor speed in distributed and parallel computing with cloud and cloud Technologies" in International Conference on International Cappadocia scientific research congress organized by IKSAD GLOBAL Institute of Economic Development and Social Research from 15-12-2021 to 17-12-2021.

iii. Ms D.Sree Lakshmi, Ms A.Divya presented a paper " Phishing web site featured Extraction based on Machine Learning" in International Conference on International Cappadocia scientific research congress organized by IKSAD GLOBAL Institute of Economic Development and Social Research from 15-12-2021 to 17-12-2021.

iv. Ms A.Divya, Ms D.Sree Lakshmi presented a paper " Smart Health Monitoring system using IOT" in International Conference on International Cappadocia scientific research congress organized by IKSAD GLOBAL Institute of Economic Development and Social Research from 15-12-2021 to 17-12-2021.

v. Mr P.Anil Kumar presented a paper " House Price Prediction using Linear Regression" in International Conference on International Cappadocia scientific research congress organized by IKSAD GLOBAL Institute of Economic Development and Social Research from 15-12-2021 to 17-12-2021.

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

a) **Seminars/Webinars:**
   i. Dr S.Madhavi participated in Primary Evaluator certificate on Toycathon 2021 organised by AICTE on 15-12-2021

b) **Workshops:NIL**

c) **STTP/STCs: NIL**

d) **Faculty Development Programmes:**

i. Mr. D Lokesh Sai Kumar, Dr S.Phani Praveen, Ms A.Madhuri participated in 1-Week AICTE ATAL FDP on " AI Natural Language Processing oragnised by J.N.T.U.K, Kakinada, Andhra Pradesh from 29-11-2021 to 03-12-2021.

ii. Ms D Swapna attended online FDP on "Block chain and it's security perspectives " conducted by AICTE Training And Learning (ATAL) Academy at Indian Institute of Information Technology Guwahati from 6/12/2021 to 10/12/2021.

iii. Dr. B. N. Swamy participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Data Science &Its Applications" from 06/12/2021 to 10/12/2021 at Lakireddy Bali Reddy College of Engineering

iv. Dr. B. N. Swamy participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Cyber Security " from 08/11/2021 to 12/11/2021 at Lakireddy Bali Reddy College of Engineering

e) Guest Lectures: NIL

f) Awareness programmes/Interaction meet/Quizzes, etc: NIL

g) Conferences: NIL

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. Dr.S.Phani Praveen published a paper "Virtual Private Network Flow Detection in Wireless Sensor Networks Using Machine Learning Techniques" in International Journal of Sensors, Wireless Communications and Control, Vol-11, Issue-7, July-2021, ISSN:2210-3987 **(SCOPUS Indexed)**

   ii. Mr. K.Vijay Kumar published a paper "A Multi-task Learning Based Hybrid Prediction Algorithm for Privacy Preserving Human Activity Recognition Framework" in Joutnal of Bulletin of Electrical Engineering and Informatics, Vol:10, No:6, Dec-2021, ISSN:2302-9285 **(SCOPUS Indexed)**

b) SCI/SCIE/ESCI indexed journals:

   i. Dr. B. Janakiramaiah published a paper "Intelligent system for leaf disease detection using capsule networks for horticulture" in Journal of Intelligent & Fuzzy Systems on 6- December-2021. **(SCIE Indexing)**

   ii. Dr.A.Jaya Lakshmi published a paper "Contrast Enhancement of Images Using Meta-Heuristic Algorithm" in Traitement du Signal, Vol:38, No:5, Oct-2021, ISSN:1958-5608 **(SCIE Indexing)**

  iii. Dr.B. Janakiramaiah published a paper "Hyper Parameter Optimization for Transfer Learning of VGG16 for Disease Identification in Corn Leaves Using Bayesian Optimization" in Journal of Big Data on 10- December-2021. **(SCIE Indexing)**

c) IEEE/Springer journals: NIL

d) UGC/other journals: NIL

e) Conference Proceedings:

  i. Dr.S.Phani Praveen presented a paper " An Energy Efficient Novel Routing Protocol in Wireless Sensor Networks(WSN)" at 3rd International Conference on Inventive Research in Computing Applications (ICIRCA) on Sep 2-4, 2021 **(SCOPUS Indexed)**

  ii. Dr.S.Phani Praveen presented a paper " Sentiment Analysis for Product Reviews Based on Weakly-Supervised Deep Embedding" at 3rd International Conference on Inventive Research in Computing Applications (ICIRCA) on Sep 2-4, 2021 (**SCOPUS Indexed**)

  iii. Ms.M. Sailaja presented a paper "Machine Learning Medical Resource Allocation" at 1st International Conference on Applied Mathematics, Modeling and Simulation in Engineering (AMSE) 2021 on 15-16 September 2021**(SCOPUS Indexed)**

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:
 i. Mrs A Ramana Lakshmi, Dr. J. Rama Devi published a patent "IOT SYSTEM FOR REMOTE MONITORING OF CONDITION OF DIKES FOR EARLY WARNING OF FLOOD" with Application No.202141052432 A on 3-12-2021.

 ii. Dr. J. Rama Devi published a patent "WIRELESS SENSOR BASED ONLINE SYSTEM FOR REAL TIME MONITORING AND PREDICTION OF AIR POLLUTION." with Application No. 202141052433 A on 3-12-2021.

 b. Ph.Ds awarded: NIL

 c. Guest lectures delivered: NIL

 c. Reviewers of journals: NIL

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

    i.   Ms. D. Sree Lakshmi was the **SESSION HEAD** for International Conference on International Cappadocia scientific research congress organized by IKSAD GLOBAL Institute of Economic Development and Social Research from 15-12-2021 to 17-12-2021.

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

8. **Industrial Visits: NIL**

9. **APSSDC: NIL**

10. **Students' achievements:**

    a) Co-curricular Activities:

    i.   Ms K Pujitha (19501A0578) and Mr G. Sai Venkata Naga Sudarshan Susheel (19501A0520) and Mr. M. Rohith (19501A05C2) presented a paper "HOUSE PRICE PREDICTION USING LINEAR REGRESSION" in INTERNATIONAL CAPPADOCEA SCIENTIFIC RESEARCH CONGRESS 15-17 December 2021/ Cappadocia Navsehir Sponsored By (ISKAD Global)

    ii.   Mr A Karthik (19501A0586) and Mr K Gopichand (19501A05A3) presented a paper "PHISHING WEB SITES FEATURES EXTRACTION BASEDON MACHINE LEARNING" in INTERNATIONAL CAPPADOCEA SCIENTIFIC RESEARCH CONGRESS 15-17 December 2021/ Cappadocia Navsehir Sponsored By (ISKAD Global)

    iii.   Ms Kotthapalli Ramya (19501A05A5) and Ms Monisha Ravi (19501A05C1) presented a paper "IMPROVING THE PERFORMANCE OF A PROCESSOR SPEED IN DISTRIBUTED AND PARALLEL COMPUTING WITH CLOUD AND CLOUD TECHNOLOGIES" in INTERNATIONAL CAPPADOCEA SCIENTIFIC RESEARCH CONGRESS 15-17 December 2021/ Cappadocia Navsehir Sponsored By (ISKAD Global)

    iv.   Ms K Pujitha (19501A0578) and Mr. M. Rohith (19501A05C2) presented a paper "SMART HEALTH MONITORING SYSTEM USING IOT" in INTERNATIONAL CAPPADOCEA SCIENTIFIC RESEARCH CONGRESS 15-17 December 2021/ Cappadocia Navsehir Sponsored By (ISKAD Global)

    v.   Mr. K. Gopi Chand Of III B.Tech CSE got SPECIAL Grade In The Science Exhibition Held On 3rd December 2021 At GORA SCIENCE CENTRE ATHEIST CENTRE VIJAYAWADA.

    vi.   Mr.G S V N S SUSHEEL of III B.Tech CSE participated in Azadi Ka Amrit Mahotsav, official 75 years of Indian Independence conducted By District Administration Govt.of Andhra Pradesh in association with Siddhartha Academy of General & Technical Education & JIGNASA Interface Private Limited on 26th &27th November 2021.

vii. 17 students of III B.Tech and 6 students of II B.Tech participated in National Level Coding Competition ”ACM-CODE-O-FIESTA" Organised by Department of Computer Science & Engineering in Association with ACM Student Chapter, PVP Siddhartha Institute of Technology, Vijayawada, AP. held on December 18, 2021.

viii. II B.Tech Students participated in Student Programme on "FUTURE Education/Employement Opportunities in USA" organized by VRSEC,Vijayawada on 20th December 2021.

ix. Ms.N.Jayalakshmi of III CSE secured Third Prize in NationalLevel Coding Competition ”ACM-CODE-O-FIESTA December 18,2021 Organised by Department of Computer Science Engineering, PVPSiddhartha Institute of Technology in Association with ACM StudentChapter,Vijayawada, AP..

x. Mr. K.Narendra and Ms.N.Jayalakshmi of III CSE participated in the National Level Coding Competition ACM-CODE-O-FIESTA held (through online) on December 18, 2021 and successfully completed Round 1 and has been shortlisted for Round 2 organised by Department of CSE in association with PVPSIT ACM StudentChapter, Vijayawada, Andhra Pradesh.

xi. II B.Tech Students has actively participated in National Level CodingCompetition ” Organised by the Department ofComputer Science and Engineering, V R Siddhartha EngineeringCollege, Vijayawada. in Association with CSI Student Chapter ELITE Coding Club* held on 24th DEC 2021.

b) Extra-curricular Activities:

i. SM Sindhura, T. Sohitha, Y. Mokhadha, K.Pujitha, M. Vardha, M. Harika, M. Sharvani, M. S. Jahnavi, Md. Mubeena, Y. Uday Siva Sai Teja, CH. Taraka Teja Swami, E. Kavya, D. Aruna Sri participated in Model Expo on **"Renewable Energy Resources"** organized by Student Chapter of Solar Energy Society of India(SESI), Department of EEE, PVPSIT on 18-12-2021.

ii. B. Lavanya, G. Soumya, A. Sushma, B. Satish, G. Bhavana, K. Ramya, Geeshma, V. Varshitha, T. Sohitha, P. Deekshitha organized various events through NSS.

iii. V. Rohith of III CSE participated in (Basketball) JNTUK, Kakinada Inter-Collegiate tounaments cum University teams selection trials 2021 on 13-12-2021.

iv. Ch. Naga Supriya of IV CSE participated in (Yoga) JNTUK, Kakinada Inter-Collegiate tounaments cum University teams selection trials 2021 on 15-12-2021.

v. Sk. Khaja Peer, Sk. Irfan and T. Krishna Vamsi of III CSE participated in (KHO-KHO) VIVA VVIT sports FEST-2021 from 21-12-2021 and 22-12-2021.

vi. N. Jaya Lakshmi of III CSE participated in (Chess) VIVA VVIT sports FEST-2021 from 21-12-2021 and 22-12-2021.

vii.   D. Leela Hemanth, G. S. Sai Sriram, G. Kevin Michael, K. Manu Teja, D. Hitesh, PVR Sravanth participated in (FOOTBALL) JNTUK, Kakinada Inter-Collegiate Tournament cum University team selection Trails 2021 from 17-12-2021 to 19-12-2021.

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

d) Student Publication: NIL

11. Higher Education:

GRE LIST

S.NO	REG.NO	NAME	Exam Reg No
1	18501A0564	K.Yasaswi	9068696
2	18501A05B2	V.Vaishnavi	9062392
3	18501A05A3	K.Sri Harrsha	0008329
4	18501A0591	P.Sai Siddhartha	8847783
5	18501A0593	P.Saketh	9047493
6	18501A05A5	S.Aditya Vardhan Sai Kiran	8860961
7	18501A0561	K.Shanmuga Sai Prasad	9736338

IELTS LIST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1	18501A0564	K.Yasaswi	V0506434	6.5
2	18501A0519	Ch.Sai Harsha Vardhan	U9479076	7.0
3	18501A05B2	V.Vaishnavi	Z6368019	6.5
4	18501A05A3	K.Sri Harrsha	R4562402	7.5
5	18501A0514	B.Lavanya	T3493337	7.5
6	18501A0591	P.Sai Siddhartha	Z5959444	7.5

7	18501A0541	G.GiriRatnaSai	U9481322	7.0
8	18501A0593	P.Saketh	Z6299220	7.5
9	18501A05A5	S.Aditya Vardhan Sai Kiran	T3494867	7.5
10	18501A0561	K.Shanmuga Sai Prasad	U8218715	6.0

TOFEL LIST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1	18501A0571	Ms.M.Kavitha	3299 0112 1540 5244	87/120

12. Other Information:

- **4 students of IV CSE got selected in EPAM with a package of 6LPA.**

Sl.No	Roll Number	Name of the student
1	18501A0593	Mr. PSV Sai Rohith
2	18501A05B8	Ms. V. Priyanka

- **1 student of IV CSE got selected in JUSPAY with a package of 7LPA, with internshipof 30,000 per month**

Sl.No	Roll Number	Name of the student
1	18501A05A0	Ms. S. Samyuktha

- **1 student of IV CSE got selected in ZENSOR with a package of 4LPA**

Sl.No	Roll Number	Name of the student
1	18501A0585	Ms. N. Jishitha

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