PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
MONTHLY REPORT- JUNE-2022.

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

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

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

   a) **Seminars/Webinars:**
   1. Mr. P. Anil Kumar participated in National Webinar on "Basics of Data Analytics" oraganised by Dept. of CSE in association with IQAC, SVKP & Dr. KS Raju Arts & Science College, Penugonda on 24-5-2022.

   b) **Workshops:**

   1. Mr S.Krishna Kishore, Mr P.Srinivasa Rao, Mr D.Chandra Sekhar, Mrs P.Anusha, Ms J.Sarvani, Mrs P.Madhavi, Mrs M.Krishna Veni, Mr K. Chaitanya Krishna, Mr V.Suresh participated in 1-Day Workshop on " Career Counselling and skill Development" organized by VRSEC on 28-6-2022.

   c) **STTP/STCs: NIL**

   d) **Faculty Development Programmes:**

   1. Dr. J. RamaDevi successfully completed the NGP-DST 21 Days Summer School on Geospatial Science& Technologies (Level 1) conducted from 13th June to 3rd July, 2022 by V. R. Siddhartha Engineering College (Autonomous), Vijayawada and supported by National Geospatial Program (NGP)- Department of Science and Technology, Government of India, New Delhi.

   2. Dr N.V.Ramana Gupta participated 1-Week Online Professional development programme on "Academic Leadership & Motivation" from 13-06-22 to 17-06-22 organised by NITTTR, Chennai.

   3. Dr G.Lalitha kumari, Mrs Y.Surekha, Mr A.Prashanth participated in 1-Week Online FDP on " Learning Technologies" organised by NITTTR, Chennai from 13-06-22 to 17-06-22.

   4. Mrs D.Sree Lakshmi, Mrs P.Dedeepya participated in 1-Week Online FDP on "Boot camp- Basics of Android App Development with Kotlin" organized by L4Gand Google Developer team from 11-6-2022 to 16-6-2022.

5. Dr S.Phani Praveen participated in 1-Week FDP on "Research trends in AI,IOT & Ethical Hacking" organized by Annamacharya Instituteof Technology And Sciences,Kadapa from 6-6-2022 to 10-6-2022.

6. Dr S.Phani Praveen, Mr D.Lokesh Sai Kumar, Mrs D.Swapna participated in 1-Week FDP on "Inculcating Universal Human Values in Technical Education" organized by AICTE, New Delhi from 9-5-2022 to 13-5-2022.

e) Guest Lectures: NIL

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

g) Conferences: NIL

h) Coursera: NIL

i) NPTEL:

1. Mr. P. Anil Kumar and Mr. V. Rajesh completed NPTEL course on "Outcome Based Pedagogic Principles for Effective Teaching"

j) Projects applied for external agencies: NIL

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

a) Scopus indexed journals:

1. Dr.G.Lalitha Kumari and Ms.Y.Surekha published a paper "Determination of project variables using fuzzy decision tree for effort estimations" in Journal of Theoretical and Applied Information Technology, Vol-100, Issue-10, May-22, with ISSN:1817-3195 **(SCOPUS)**

2. Ms.Y.Surkeha, Dr.K.Koteswararao and Dr.G.Lalitha Kumari published a paper "Empirical Investigations to object detection in video using resnet-an implementation method" in Journal of Theoretical and Applied Information Technology, Vol-100, Issue-10, May-22, with ISSN:1817-3195 **(SCOPUS)**

3. Mr.P.Anil Kumar published a paper "A Near Optimal Mutlicast Scheme For Mobile Adhoc Networks – An Implementation Perspective" in Journal of Theoretical and Applied Information Technology, Vol-100, Issue-10, May-22, with ISSN:1817-3195 **(SCOPUS)**

b) SCI/SCIE/ESCI indexed journals:

1. Dr.B.Janakiramaiah published a paper "Visiting Indian Hospitals Before, During and After COVID", in International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol-30, May-22, ISSN:1793-6411. (SCIE) .

2. Ms.A.Ramana Lakshmi published a paper "Monitoring system of agricultural performance based on multi-sensor data and cross-validation technique in merging temporal images" in Agronomy Journal, Vol-100, No-8, April 2022, with ISSN:1435-0645 (SCIE)

3. Dr.N.V.Ramana Gupta published a paper "An effective text compression–encryption using tight and indirect encryptions", in Soft Computing, June-22, ISSN:1433-7479 (SCIE)

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

1. Ms.A.Ramana Lakshmi presented and published a paper "THE ANALYSIS ON APPLICATION OF IOT IN BIOMEDICAL INSTRUMENTATION" in ECS Transactions, Vol-107, Number-1.

2. Dr.B.N.Swamy published and presented a paper " Multiclass Classification for Large Medical Data using Adaptive Random Forest and Improved Feature Selection Methods", in International Conference on Confluence The Next Generation Information Technology Summit, 27-28 Jan, 2022.

3. Dr.N.V.Ramana Gupta presented and published a paper "Li-Fi Enables Reliable Communication of VLT for Secured Data Exchange" in Smart Innovation, Systems and Technologies,ICISSC-2021, ISBN:978-981-19-0011

4. Dr.S.Phani Praveen, A.Madhuri and D.Swapna presented and published a paper "Different Feature Selection Methods Performance Analysis for Intrusion Detection" in 5th International Conference on Smart Computing and Informatics (SCI-2021) ISBN: 978-981-16-9705-0 (Scopus)

5. Mr.B.Vishnuvardhan presented and published a paper "Further Development of Blockchain Techniques for Security and Expenses", in International Conference on Electronics and Renewable Systems, ISBN: 978-1-6654-8425-1 (Scopus)

6. Mr.P.Anil Kumar and Dr.K.Koteswararao presented and published a paper "House Price Prediction using Linear Regression" in International Cappadocia Scientific Research Congress, 15th -17th Dec-21.

7. Mr.S.Krishna Kishore presented and published a paper "DevOps Security and Privacy in the Development of Multicloud Applications" in 2022 International Conference on

Electronics and Renewable Systems (ICEARS), ISBN: 978-1-6654-8425-1 (IEEE Conference) (Scopus)

d) UGC/other journals:

1. Ms.T.Sri Lakshmi and Mr.B.Vinay Kumar published a paper "Efficient GSM Cloud Based Weather Monitor Using WSN" in Stochastic Modeling & Applications, Vol-26, Issue-3 , May-22, ISSN:0972-3641 (UGC)

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:**

   1. Dr. S.Madhavi published a patent "**A method of diagnosing disease using quantum enhanced machine learning models** " with Application No.: 202241030972 on 30-06-2022.
   2. Ms. T. Sri Lakshmi, Dr. Lakshmi Ramani B, Mr.B.Vinay Kumar Published a patent **"An Artificial Intelligence Based Medical Procedure Assessment And Intervention System And Method Thereof"** With Application No: 202241027925 A on 17-06-2022..

   b) **Ph.Ds awarded:**

   1. Mr. K. Vijay Kumar received his Doctoral Degree from VIT AP for his work on "**Privacy Preserving Human Activity Recognition Using Machine Learning Algorithms**" on 4-6-2022.

   c) **Guest lectures delivered: NIL**

   d) **Awards/Rewards Received:**

   1. Dr. J. Rama Devi received "Best Project Award" for the project titled Change Detection in Vegitation Cover using Satellite image" in NGP-DST 21 Days Summer School on Geospatial Science & Technologies (Level 1) conducted from 13th June to 3d July, 2022 by V. R. Siddhartha Engineering College (Autonomous), Vijayawada and supported by National Geospatial Program (NGP)- Department of Science and Technology, Government of India, New Delhi.

   2. Ms. Y. Surekha has received appreciation award as Active SPOC from SWAYAM-NPTEL Local Chapter for her instrumental role for the period of Jan-Apr 2022.

   3. Mr. K. Vijay Kumar awarded with "Research Award- Publications (Engineering & Advanced Sciences) from VIT-AP University for the Academic Year 2021-22.

e) Reviewers of journals:

1. Dr. S. Phani Praveen acted as reviewer for "International Conference on Advances in Computer Engineering & Communication Technology ICACET-2021 organised by Department of IT, CSE & ECE , Aditya College of Engineering & Technology, Surampalem.

2. Dr. S. Phani Praveen acted as reviewer for The Journal of Supercomputing.

3. Dr. S. Phani Praveen acted as reviewer for Principles and Methods of Explainable Artificial Intelligence in Healthcare.

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:

1. 38 students were trained in Robotics and Automation by NIT Nagaland and were able to build five models 1. Humanoid 2. Robotic Arm 3. Generating power from piezoelectric sensor 4. Home Automation and 5. Obstacle Avoidance Rover.

2. 192 students of CSE were certified for various courses in NPTEL.

3. Mr.K.GopiChand, Ms.Alekya and Ms.B.K.Aparna, were qualified for Smart India Hackthon pre-screening test under the guidance of the mentors Dr.B.Janakiramaiah, Dr.B.Lakshmi Ramani, Dr.J.Rama Devi, Mr.B.Vishnu Vardhan, Mr.V.Rajesh.

4. 5 students of III CSE completed AWS Cloud Practioner Global Exam.

b) Extra-curricular Activities: NIL

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

1. **192 students of CSE were certified for various courses in NPTEL**

d) Student Publications:

Papers Published in Journals:

1. M.Surya Tej, T.Veerendra Saradhi, M.Spandana,V.Savya, and Dr.S.Madhavi published a paper "Hand Written Text Recognition using Deep Learning", in International Journal for Research, Volume-10, Issue-IV, April-22, ISSN:2321-9653

2. Dr.B.Lakshmi Ramani, Dr.A.Jaya Lakshmi, B.Anudeep and B.V.S.K.Bapiraju Kumar published a paper "Driver Drowsiness Detction using light weight deep CNN Models on NTHU-DDD", Vol-26 and Issue-3,Jun-22, ISSN:0972-3641 (UGC)

Papers Published in Conferences:

1. M.Naga Venkat Sri Karthik,B.Yeswanth Kumar,R.Venkata Dinesh,P.Sai Siva Pavan, Dr.S.Madhavi presented and published a paper "Image Analysis for Malaria Parasite or Unifected Detection Using Ensemble Techniques" in International Conference on Science, Technology, Engineering and Mathematics, 28-May-2022.

2. M.Surya Tej,T.Veerendra Saradhi,M.Spandana,V.Savya, and Dr.S.Madhavi presented and published a paper "Handwritten Text Recongnition using CRNN and CTC Loss" in International Conference on Science, Technology, Engineering and Mathematics, 28-May-2022.

3. G.Sankara Sai, A.V.S.Raghunath, K.Mahesh,B.S.Bharath Naik, Dr.B.N.Swamy presented and published a paper "Unmanned Aerial Vehicle Object Detection and Recognition using Deep Learning", in International Conference on Sustainable Computing and Data Communication Systems",7-9 April-2022 (IEEE Conference)

4. K.Keethi, B.Meghana, K.Sahitya, D.Jyothi Priyanka and D.Sree Lakshmi published and presented a paper "Credit Card Fraud Identification Using Logistic Regression and Local Outlier Factor", in 2nd International Conference on Interdisciplinary Cyber Physical Systems (ICPS), 10th May-2022, ISBN:978-1-6654-7022-3 (Scopus)

5. Ch.Adarsh, Ch.Sai Harsha Vardhan, Ch.Naga Supriya, O.Prasana Pravalika and Dr.N.V.Ramana Gupta presented and published a paper "Convolutional Neural Networks based Enhanced Forest Monitoring System for Early Fire Detection" in 7th International Conference on Communication and Electronics Systems (ICCES 2022), 22 - 24 Jun-22, ISBN:978-1-6654-9633-9(Scopus)

6. Abdul Gafoor,A.Lakshmi Srujana, A.Nagasri,G.Sri Sai Durga Prasad,   Mr.D.Lokesh Sai Kumar presented and published a paper "KNN Based Entertainment Enhancing System" in 6th International Conference on Trends in Electronics and Informatics (ICEI), 28-30 April-22, ISBN: 978-1-6654-8328-5 (IEEE Conference)

7. D.Jaswanth Babu, G.Sushmitha, D.Lasya, D.Gopi Krishna, Mr.V.Rajesh presented and published a paper "Identifying Fake News using Machine Learning" in International Conference on Electronics and Renewable Systems",16-18 Mar-22,Tuticorin, ISBN: 978-1-6654-8424-4 (IEEE Conference)

8. V.Vaishnavi,S.Samuyktha,V.Mounika Ravali, P.Sarayu, Mr.B.Vinay Kumar presented and published a paper "Future Prediction of COVID-19 based on Supervised Machine Learning Models", in 6th International Conference on Trends in Electronics and Informatics, 28-30 April-2022. ISBN:987-1-6654-8328-5 (IEEE Conference)

f) Internships:

1. Mr.M.Dharmateja was selected by ACM India Summer School on Shape Modeling which will be organised by IIT Delhi.

11. Higher Education:

GRE LIST

S.NO	REG.NO	NAME	Exam Reg No
1.	18501A0504	SaiRam Atluri	8788980 November 21,2021
2.	18501A0508	Nitesh Balla	8873227 June 27, 2022
3.	18501A0522	Manikanta Rohith Chatrathi	8873119 December 1, 2021
4.	18501A0544	Jagabattula Divya	9861873 September 9, 2021
5.	18501A0567	Makineni Surya Tej	9621732 September 2, 2021
6.	18501A0598	Sai Appala Rahul Itha	8980880 August 10, 2021
7.	18501A05A6	Tayyaba Shaheen	0020977 December 23, 2021
8.	18501A05B4	Vemulapalli Jasmika	0439049 December 31, 2021

IELTS LIST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1.	18501A0522	Chatrathi Manikanta Rohith	U8922036	6.5 Oct, 2021
2.	18501A0544	Jagabattula Divya	U3291516	7.0 Nov,2021
3.	18501A0555	Kolli Gnana Sai Sree	V1940954	7.5 Nov,2021
4.	18501A0556	Kona Sravya	U9479509	7.0

S.NO	REG.NO	NAME	Exam Reg No	SCORE
				Sep,2021
5.	18501A0567	Makineni Surya Tej	V1950037	7.0 Oct,2021
6.	18501A0598	Sai Appala Rahul Itha	Z5955614	7.0 Sep, 2021
7.	18501A05A6	Tayyaba Shaheen	P9314533	7.0 Dec, 2021
8.	18501A05B4	Vemulapalli Jasmika	V3166250	7.0 Dec, 2021

TOFEL LIST

S.NO	REG.NO	NAME	Exam Reg No	SCORE
1.	18501A0504	SaiRam Atluri	8617 8122 1553 4347	93/120 December 05, 2021

Got Admission:

S.NO	REG.NO	NAME	OFFERED COURSE	UNIVERSITY	REFERENCE NUMBER
1.	18501A0504	SaiRam Atluri	Cybersecurity, MS	University of Houston	April 29 2022 Student (PeopleSoft) ID: 2198739
2.	18501A0514	B.Lavanya	Master of Management degree	Graduate School at Penn State.	February 25, 2022 PSU ID: 993938106
3.	18501A0522	Manikanta Rohith Chatrathi	M.S	University of Central Missouri	March 17,2022 Student ID:700740717
4.	18501A0525	Sushruth Chunchu	Computer Science (MS).	The University of Alabama at Birmingham	April 18 2022
5.	18501A0541	G.Giri Ratna Sai	MS	Purudue University	February 25,2022
6.	18501A0544	Jagabattula Divya	Computer Science MS Program	Luddy School of Informatics, Computing, and Engineering	March 22,2022 University ID:2001079136
7.	18501A0551	Mohan Sri Vishnu karlapudi	Computer Science MS Program	New Jersey Institute of	April 13, 2022 NJIT ID:31602950

				Technology	
8.	18501A0556	Kona Sravya	International Management(MS c)-MIM	OE Gaillimh NUI galway	December 21,2021 Student ID:22222458
9.	18501A0561	Shanmuga Kothapalli	MS in Computer Information System program	ST.MARY'S University	May 11,2022 Student ID:S00731073
10.	18501A0564	K.Yasaswi	Computer Science MS Program	College of Engineering & Applied Science University of Cincinnati	November 4,2022
11.	18501A0567	Makineni Surya Tej	Computer Science MS Program	University of Texas at Arlington	May 25, 2022 UTA ID: 1002064961
12.	18501A0568	Spandana Mallempati	Computer Science MS Program	Texas tech University Graduate School	March 3, 2022
13.	18501A0570	Kavitha mandala	MS Computer Science	FLORIDA TECH	March 3, 2022
14.	18501A0572	Mangalapurap u Padmini	MS Engineering Management	Florida Institute of Technology	April 25,2022
15.	18501A0577	Sai Krishna Nikhitha Mikkilineni	Computer Science MS Program	University of Florida	April 12, 2022
16.	18501A583	Sai meghana myneni	MA Program	Texas A&M university CORPUS CHRISTI	
17.	18501A0591	P.Sai Siddhartha	Computer Science MS Program	University of Houston	UH ID: 2191129
18.	18501A0598	Sai Appala Rahul	MS Program	Rochester Institute of Technology	University ID: 374007194 December 21/2021
19.	18501A05A4	Davuluri Srihasa	MS Program	University of Missouri-Kansas city	Student ID number:16338806
20.	18501A05A5	S.Aditya Vardhan Sai Kiran	MS Program	University of FLORIDA Herbert Wertheim	April 21,2022 UFID:2241-3121

			College of Engineering	
21.	18501A05A6	Tayyaba Shaheen	Computer Science MS Program	Northern Arizona University	NAU ID: 6249641
22.	18501A05B2	V.Vaishnavi	Computer Science MS Program	Georgia State University	February 8, 2022
23.	18501A05B4	Vemulapalli Jasmika	Computer Science MS Program	Georgia State University	February 8, 2022

12. Other Information:

- **1 student of IV CSE got selected for ivanti with a package of 12.0 LPA**

Sl.No	Roll Number	Name of the student
1	18501A0542	G.Sankara Sai

- **2 students of IV CSE got selected for TCS digital with a package of 7.0 LPA**

Sl.No	Roll Number	Name of the student
1	18501A0529	D.Jaswanth Babu
2	18501A0542	G.Sankara Sai

- **1 students of III CSE got selected for VIRTUSA with a package of 5.5LPA**

Sl.No	Roll Number	Name of the student
1	19501A0542	Ms. CH. Prasanna Chandrika

- **9 students of III CSE got selected for TCS NINJA with a package of 3.5 LPA**

Sl.No	Roll Number	Name Of The Student
1	19501A0505	Mr. A.Yaswanth
2	19501A0508	Mr. A. Mahadev
3	19501A0518	Mr. B. Deva Karthik
4	19501A0556	Mr. G.Bhargav Ramudu
5	19501A0568	Mr. G. Sai Venkata Naga Sudarshan Susheel
6	19501A0577	Mr. K. Narendra
7	19501A05A8	Ms. L.Tejaswi
8	19501A05F7	Mr. Harshavardhan
9	19501A05H6	Mr. T. Deva Saketh

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