PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS)

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

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:NIL

b) Workshops:NIL

c) STTP/STCs:NIL

d) Faculty Development Programmes:

i.   Dr. J. Rama Devi participated in an online faculty Development Programme on "Data Science for ALL" jointly organized by E & ICT Academies at NIT Warangal, IIITDM Jabalpur, IIT Kanpur, NIT Patna, IIT Guwahati, MNIT Jaipur and IIT Rourkee from 12th to 23rd April 2021.

e) Guest Lectures:NIL

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

g) Conferences: NIL

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

a) Scopus indexed journals:

i.   Ms. M. Sailaja published a paper titled, "Ensemble Distributed Search-FSGM-CRD Compressed Cache Algorithm for Large Datasets " in *International Journal of Turkish Journal of Computer and Mathematics Education,* Vol-12, Issue-2, pp. 2854-2858, ISSN: 1309-4653, February, 2021.

ii. Dr. K. Koteswara Rao Dr G Lalitha Kumari Ms Y Surekha published a paper titled "Adaptive Genetic Algorithm (AGA) Based Optimal Directed Random Testing for Reducing Interactive Faults" in   *Indian Journal of Computer Science and Engineering* Vol. 12 No. 2, ISSN : 0976-5166 Mar-Apr 2021.

iii. Mr. A. Yuva Krishna published a paper entitled "Framework for Tree Crown Delineation from Panchromatic Images" in EAI Endorsed Transactions on Energy Web, Vol-, Issue-, pp. , ISSN: 2032944X, April, 2021.

b) SCI/SCIE/ESCI indexed journals:

i. Dr. S. Madhavi published a paper titled "Secured Quantum Wireless Sensor Network Using IQOTP and Super Dense Coding" *International Journal of Future Generation Communication and Networking (IJFGCN)*, ISSN: 2233-7857(Print); 2207-9645(Online), NADIA, (2021), Vol. 14, No. 1, pp. 59-74.

c) IEEE/Springer journals:

i. Dr. B. Janaki Ramaiah published a paper titled "**Diabetic retinopathy detection and classification using capsule networks**" **in** *Complex & Intelligent Systems* Vol-7, Issue-2, pp. 2854-2858, ISSN: 2198-6053, April, 2021.

d) UGC/other journals:NIL

e) Conference Proceedings:NIL

f) Book chapters:

i. Dr. B. Janaki Ramaiah published a Book Chapter titled "*Dementia detection using the deep convolution neural network method*" in Trends in deep Learning Methodologies-Algorithms, Applications and Systems-A Volume in Hybrid Computational Intelligence for Pattern Analysis Pages 157-181with ISBN: 978-0-12-822226-3

ii. Dr. B. Janaki Ramaiah published a Book Chapter titled "*Deep learning-based detection and classification of adenocarcinoma cell nuclei*" in Trends in deep Learning Methodologies-Algorithms, Applications and Systems-A Volume in Hybrid Computational Intelligence for Pattern Analysis Pages 241-264with ISBN: 978-0-12-822226-3

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. Dr. S. Phani Praveen published a patent titled "*Red Deer Algorithm For Anomaly Detection In Sensor-Based Cyber-Physical Systems*" with the Application Number: 202141017669 dated:23-4-2021, Intellectual Property Rights, Government of India..

   b. Ph.Ds awarded:NIL

   c. Guest lectures delivered:NIL

      d. Reviewers of journals:NIL

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

    i.   Dr. B. Janaki Ramaiah nominated as mock inspection member for the mock inspection of NBA held at SASI Institute of Technology & Engineering, Tadepalligudem held on 20.02.2021.

    ii.   Dr. B. Janaki Ramaiah appionted as External Academic Auditor for the External Academic Audit held at NRI Institute of Technology, Agiripalli held on 19.04.2021.

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

8. **Industrial Visits:NIL**

9. **APSSDC:NIL**

10. **Students' achievements:**

      a) Co-curricular Activities:

  i.   28 students from I CSE got selected for TALENT SPRINT-WE(Women Engineers) program supported by Google from among 27,643 students.Out of 28 students 21 students are eligible for 50% of scholarship valued at Rs.1,50,000/- and 7 students are eligible for 25% of scholarship valued at Rs.75,000/-.

  ii.   Mr.D. Ratnam, Ms. R. Harshitha, Ms. K. Sai Sukeerthi of IV B.Tech. successfully completed their training on "Blue Prism Foundation Training" on 19th April, 2021.

      b) Extra-curricular Activities: NIL

      c) Coursera/NPTEL details of the students:NIL

10. **Higher Education:NIL**

11. **Other Information:**

1 students of IV CSE got selected in Wiley with a package of 7LPA.

Sl.No	Roll Number	Name
1	17501A0509	B. Sravya

7 students of IV CSE got selected in UHG with a package of 5LPA.

Sl.No	Roll Number	Name
1	17501A0511	B. Arun Kumar Reddy
2	17501A0514	B. Avinash
3	17501A0525	D. Ratnam
4	17501A0538	I. Ratnakar Babu
5	17501A0580	N. Rahul
6	17501A0593	P. Nagaswetha
7	17501A05B6	V.Raj Kumar

5 students of IV CSE got selected in HCL with a package of 3.5LPA.

Sl.No	Roll Number	Name
1	17501A0506	A. Tejaswini Sai
2	17501A0539	J. Chandra Sekar
3	17501A0599	R. Lakshmikantha Sruthi
4	17501A05A4	Sk. Adil Ahmed
5	17501A05B9	Y. Sai Prabha

4 students of IV CSE got selected in Sutherlands with a package of 2.5LPA.

Sl.No	Roll Number	Name
1	17501A0506	A. Tejaswini Sai
2	17501A0525	D.Ratnam
3	17501A0565	M. Roshan
4	17501A05B0	V. Sushmitha

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