PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (Autonomous) KANURU, VIJAYAWADA

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

FACULTY ACHIEVEMENTS (2017-18)

Faculty Achievements:

1. **Mr. A. Vanamala Kumar** has received an "ACTIVE SPOC award" for his Instrumental Role as SPOC for the SWAYAM-NPTEL Local Chapter PVPSIT for JAN-JUNE 2018 NPTEL Online Certification Courses

2. **Dr. S C Satapathy** acted as the resource person for the FDP on "Evolutionary and Nature Inspired Meta-Heuristic Algorithms for Engineering Applications" during 16th and 17th April 2018.

3. **Mr. A. Vanamala Kumar** has received a certificate of Appreciation award in recognition of his role as Mentor for the NPTEL online Certification Course "Programming Data Structures & Algorithms using PYTHON"

4. **Mr. A. Vanamala Kumar** has delivered a talk on "NPTEL online Certification Courses and its benefits" on 30th June, 2018.

5. **Mr. N.V Ramana Gupta** published patent for "Mobile Equipment and A Modeling Method Using Natural Mating Algorithm" with patent numbered 201741046420.

6. **Dr. Suresh Chandra Satapathy** was the key note speaker and session chair for Third International Congress on Information and Communication Technology held at London, United Kingdom | February 27-28, 2018.

7. **Dr. Suresh Chandra Satapathy** was the key note speaker for International Conference on Artificial Intelligence and Cognitive Computing (AICC-2018) from 02-02-2018 to 03-02-2018 at MLR Institute of Technology, Hyderabad.

8. **Dr. Suresh Chandra Satapathy** was the Guest of Honor for International Conference on Micro-Electronics, Electromagnetic and Telecommunications (ICMEET-2K18) from 03-02-2018 to 04-02-2018 at GVP College of Engineering for Women, Visakhapatnam.

9. **Dr. Suresh Chandra Satapathy** was appointed as Editor of ICSES Transactions on Evolutionary and Metaheuristic Algorithms

10. **Mr. A. Vanamala Kumar** has received the Certificate of Appreciation for his Instrumental Role as SPOC for the NPTEL Local Chapter PVPSIT rated A based on the performance in NPTEL Online Certification Courses at IIT Madras on 25th Jan'18.

11. **Mrs. V. Siva parvathi** has won II prize in Tennicoit in Siddhartha Academy Inter Institutional Tournaments at Sri Durga Malleswari Siddhartha Mahila Kalasala, Vijayawada on 19th Jan'18.

12. **Mr. M. Ram Gopal** has won II prize in Chess in Siddhartha Academy Inter Institutional Tournaments at Sri Durga Malleswari Siddhartha Mahila Kalasala, Vijayawada on 19th Jan'18.

13. **Mr. M. Ram Gopal and Mr. N. Chaitanya Krishna** has won I prize in Volley Ball in Siddhartha Academy Inter Institutional Tournaments at Sri Durga Malleswari Siddhartha Mahila Kalasala, Vijayawada on 19th Jan'18.

14. **Dr. PESN Krishna Prasad** has participated in INDIA ELECTRONICS WEEK 2018 held from 07-02-2018 to 09-02-2018 at Karnataka Trade Promotion Organization, Bengaluru.

15. **Dr. B. Janakiramaiah** has applied a project" Development of Intelligent models or automatic alert Generation in a Surveillance Systems for Smart city Environment using Deep Learning Algorithm" to SERB with R.No.:352018001041

16. **Dr. P E S N Krishna Prasad** received his PhD from Rayalaseema University.

17. One PhD is awarded under the guidance of **Dr. Suresh Chandra Satapathy.**

18. **Dr. Suresh Chandra Satapathy** published 3 books in 2017-18 academic year.

19. **Dr. Suresh Chandra Satapathy, Dr. A. Sudhir Babu and Dr. S. Madhavi** guiding PhDs in various universities.

20. **Dr. A. Sudhir Babu** acted as a Judge in the Technical paper Contest in the Dept of CSE on 16-02-2018 at AFOSEC-2018, VRSEC, Vijayawada.

21. **Dr. PESN Krishna Prasad** was the Guest of Honor for "Two-day CSI Andhra State Student Convention 2017-18" at GITAM University on 24-25 November'17.

22. **Dr. Suresh Chandra Satapathy** is the Chief Guest for the 2nd International Conference on "Computational Intelligence and Informatics" on 27th September'17

23. **Dr. Suresh Chandra Satapathy** is the Guest of Honor for 2 nd Graduation Day at BVRIT Hyderabad College of Engg. For Women on 10-9-2017.

24. **Dr. P E S N Krishna Prasad** acted as a reviewer for 2nd International Conference on "Advanced Computing and Intelligent Engineering", Central University of Rajasthan, Ajmer, India, ICACIE 2017

25. **Dr. P E S N Krishna Prasad** Delivered a guest lecture on "Expert Systems and its applications" on 21-08-2017 at BVR College, Bhimavaram

26. **Dr. Suresh Chandra Satapathy** delivered a talk in One Week FDP on" Machine Learning" conducted by Dept. of CSE, College of Engg., Andhra University, Visakhapatnam and Electronics & ICT Academy, NIT Warangal on 13th & 14th of July'17

27. **Dr. Suresh Chandra Satapathy** delivered a lecture on "Future Perspects & Career Building" to the students of CSE Dept. at Raghu College of Engg. & Raghu Institute of Tech., Visakhapatnam.

28. **Dr. Suresh Chandra Satapathy** acted as a resource person for FDP on "Soft Computing Techniques & Applications" organized by Dept. of CSE, Gudlavalleru College of Engg

29. **Dr. Suresh Chandra Satapathy** acted as Keynote Speaker for the conference held at Duy Tan University, Da Nang City, Vietnam during 15-17 July'17

30. **Dr. Suresh Chandra Satapathy** acted as Keynote Speaker for the conference held at Duy Tan University, Da Nang City, Vietnam during 15-17 July'17.

31. **Dr. A .Sudhir Babu** has applied a project "Improving Performance of MANET by Trust Model" for AICTE with file no. 1-3562227468 for Rs.14,75,000.

32. **Dr. A .Sudhir Babu** has applied a scheme Prerana for "SC/ST Students Training Program" for AICTEwith file no. 1-3573444875 for Rs.9,90,000.

33. **Dr. B. Janaki Ramaiah and Dr. P E S N Krishna Prasad** has applied a project "Applied a workshop Machine Learning in Engineering Applications & Trends using Python & Tensor Flow for AICTE for Rs. 5,00,000

34. **Dr. A .Sudhir Babu** has applied a project "Secured manner by reputation Agent" for SERB with file no. EMR/2017/003015for Rs.19,10,000

35. **Dr. B. Janaki Ramaiah and Dr. P.E.S.N. Krishna Prasad** has applied a project "Smart Security Devices using evaluation based Artificial Associate Neural Memory" for FIST-DST for Rs.60,00,000

36. **Dr. S. Madhavi** has applied a project "A Secured Wireless Nano Sensor Network for Nan monitoring and Assessment of Engineered Nano particles" for SR/NM/NS-1130/2016.

37. **Dr. S. Madhavi** has applied a project "A System to isolate detect and quantities Engineering Nanoparticles and provide secured Channel using a key Establishment Protocol" for UGC with file no. 3738 for Rs. 2,60,000.

38. **Dr. P E S N Krishna Prasad** has got a project "Tensor Based Cognitive Models in Image Segmentation and Image Analysis" for UGC with 6027/15 for Rs. 60,000.

39. **Mr. N.V. Ramana Gupta** applied a patent for "Mobile Equipment and Modeling Method using natural Mating Algorithm" in the Year 2017.

40. **Dr. P E S N Krishna Prasad** applied a patent for "Reducing Road Mishaps through Bio-metric Recognition" in the Year 2017.

41. **Dr. B. Srinivasa Rao** applied a patent for "Identifying Parent of missing Child using UIN mapping with DNA "in the year 2017

42. **Mr. I.M.V.Krishna** applied a patent for "Transactions with Non-Account Holder by using limited period Unique Identifier" in the Year 2017

43. **Dr. A .Sudhir Babu** applied a patent for "Method for establishing collaborative trust by trust model for routing protocols of MANET "in the Year 2017.

Faculty Publications/ Conferences:

1. **Dr. Suresh Chandra Satapathy** has published a paper "Entropy based segmentation of tumor from brain MR images – a study with teaching learning based optimization", Elsevier ISSN: 0167-8655 in June 1, 2017.

2. **Dr. Suresh Chandra Satapathy**, has published a paper "Financial time series prediction using distributed machine learning techniques", Nov-21-2017.

3. **Dr. Suresh Chandra Satapathy,** has published a paper "Special Issue on Bioinspired Computing in Engineering Problem Solving"

4. **Dr. B. Janakiramaiah**, has published a paper "Effective Allocation of Resources and Task Scheduling in Cloud Environment using Social Group Optimization" in AJSE Special Issue Nov 2017, ISSN: 2193-567X. [SCI Indexed]

5. **Dr. B. Janakiramaiah** has published a paper "Particle Swarm Intelligence and Impact Factor based Privacy Preserving Association Rule Mining for Balancing Data Utility and Knowledge Privacy", Springer, Arabian Journal for Science and Engineering ISSN: 2193-567X, 2017. [Free Journal, indexed by: SCI, SCOPUS, Google Scholar, etc., Impact Factor: 0.86].

6. **Dr. B. Janakiramaiah** has published a paper "Effective Allocation of Resources and Task Scheduling in Cloud Environment using Social Group Optimization", Springer, Arabian Journal for Science and Engineering ISSN: 2193-567X, 2017. [Free Journal, indexed by: SCI, SCOPUS, Google Scholar, etc., Impact Factor: 0.86].

7. **Dr. B. Janakiramaiah** has published a paper "Decision Tree based Data Reconstruction for Privacy Preserving Classification Rule Mining", An International journal of Computing and Informatics, vol. 40, 2017. ISSN: 0350-5596. [Free Journal, indexed by: SCOPUS, ACM Digital Library, DBLP, Google Scholar, etc.]

8. **Mr. S Phani Praveen** has published a paper "Effective Allocation of Resources and Task Scheduling in Cloud Environment use Social Group Optimization" in AJSE Special Issue Nov 2017, ISSN: 2193-567X. [SCI Indexed]

9. **Mr S Phani Praveen** has published a paper "Dynamic Ranked Virtual Machine Instances using Resource Deep Analytics" in IJPAM Special Issue, V-116, No-5, 2017, ISSN:1311-8080. [Scopus Indexed]

10. **Mr S Phani Praveen and Mr. N V Ramana Gupt**a has published a paper" Access Control Mechanism Using k-Anonymity Algorithm for Relational Data" in IJEDR Vol 5 Issue 3 SEPT 2017, ISSN: 2321-9939. [International Peer Reviewed]

11. **Mr. S Phani Praveen and Mrs. A Divya** has published a paper "An Overview On Independent Reversible Data Hiding In Encrypted Images" in IJSDR Vol 2 Issue 10 OCT 2017, ISSN: 2455-2631. [UGC APPROVED]

12. **Mr. D Lokesh Sai Kumar** has published a paper "Twitter And Tweets: traffic detection and analysis in social network" in IJRCSE Vol 7 Issue 3, May-June 2017, ISSN:2321-5585

13. **Mr. B. N. Swamy** has published a paper "Content Based Image Retrieval Using Sketches And Colored Images" in International Journal Of Science Technology & Engineering Vol 4 Issue 3, Sep 2017, ISSN:2349-784X

14. **Mr B. N. Swamy & Dr. A. Sudhir Babu** has published a paper "A New Mechanism for Approach of Ip Spoofers: Passive Ip Trace back Using Backscatter Messages" in IJEDR Vol 5 Issue 3, Sep 2017, ISSN: 2321-9939.

15. **Dr. S. Madhavi & Mr. K. Vijay Kumar** has published a paper "Map reduce Workload For Dynamic Job Ordering And Slot Configuration" in International Journal Of Engineering And techniques Vol 3 Issue 5, Sep 2017, ISSN: 2395-1303

16. **Mrs. M. Sailaja & Mrs V. Siva Parvathi** has published a paper "Improved Framework Of Location Aware Keyword Query Suggestion(Lrs) In Geo-Based Social Applications" in IJEDR Vol 5 Issue 3, Sep 2017, ISSN:2321-9939

17. **Mr K. Syama Sundara Rao & Mr. B. N. Swamy** has published a paper "Measurement Of Network Delay Between Two Internet Hosts Using Mininet" in International Journal Of Engineering & Computer Science Vol 6 Issue 9, Sep 2017, ISSN:2319- 7242

18. **Dr A. Sudhir Babu & Mr. S. Phani Praveen** has published a paper "Truthful Detection Of Packet Dropping Attacks By Privacy Preserving" in IJDCST Vol 5 Issue 5, Sep 2017, ISSN:2320-7884

19. **Mrs. Ch. Ratna Jyothi & Mr. A. Yuva Krishna** has published a paper "A Novel Approach For Distance Metric Learning To Multi-Modal Image Retrieval" in IJSDR Vol 2 Issue 9, Sep 2017, ISSN:2455-2631

20. **Mrs. A. Ramana Lakshmi & Mrs. T. Sri Lakshmi** has published a paper "Review And Rating: For Mobile App And Discovery Of Ranking Fraud Detection" in IJSDR Vol 2 Issue 9, Sep 2017, ISSN:2455-2631

21. **Mr K. Venkatesh & Mr V. Rajesh** has published a paper "Security Evaluation Of Pattern Classifiers Under Attack" in IJDCST Vol 5 Issue 5, July 2017, ISSN:2320-7884

22. **Mr B. Vishnu Vardhan** has published a paper "Tagged Keyword Set Search In Multi-Dimensional Datasets" in IJSDR Vol 2 Issue 10, Sep 2017, ISSN:2455-2631

23. **Mrs. D. Sree Lakshmi & Mrs. A. Madhuri** has published a paper "Temple Data Agglomeration System Via Mobile Application" in IJSDR Vol 2 Issue 9, Sep 2017, ISSN:2455- 2631

24. **Mr. V. Rajesh & Mr. I. M. V. Krishna** has published a paper "Iot Based Intelligent Algorithm For Automation Of Devices" in International Journal Of Research In Science And Technology Vol 7 Issue 3, July 2017, ISSN: 2454-180X

25. **Mrs. V. Siva Parvathi & Mrs. M. Sailaja** has published a paper "An Efficient Profit Maximization Scheme With Guaranteed Quality Of Administration (Qoa) In Cloud Computing" in GLOBAL JOURNAL OF MODERN ENGINEERING RESEARCH Vol 13 Issue 1, Sep 2017, ISSN: 1429-4939

26. **Mrs. G. Lalitha Kumari** has published a paper "An Efficient PSO Based Ensemble Classification Model On High Dimensional Datasets" in IJSC Vol 8, No ¾ Nov 2017

27. **Mrs. G. Lalitha Kumari** has published a paper " An Efficient ABC Based Optimized Ensemble Classification Model On High Dimensional Datasets" in JARDCS Vol 9, Sp-18/2017.

28. **Dr. S. C. Satapathy** Presented a paper "Multi-Focus Image Fusion Method using 2D-Wavelet Analysis and PCA" in 2nd International Conference ICTIS 2017, Springer Series.

29. **Dr. Suresh Chandra Satapathy ,** has published a paper " An improved mammogram classification approach using back propagation neural network" Advances in Intelligent Systems and Computing, 2018.International Conference on Information and Communication Technology for Intelligent Systems ICTIS 2017,Volume 1 pp 616-623. [Scopus Indexed]

30. **Mr. S. Phani Praveen** has presented a paper "An Optimized Rendering Solution for Ranking Heterogeneous VM Instances" at KIIT University, Bhubaneswar, Odisha during 6th International conference on Frontiers in Intelligent Computing: Theory and Application (FICTA 2017) October 2017.Proceedings to be Published by Springer AISC [Scopus Indexed]

31. **Dr. Suresh Chandra Satapathy** has published a paper entitled "Enhanced evolutionary computing based artificial intelligence model for web-solutions software reusability estimation" in Cluster Computing The Journal of Networks, Software Tools and Applications in Jan'18.

32. **Mr. S. Phani Praveen** has presented a paper on "An effective multi - faceted cost model for Auto scaling of servers in cloud." in 2nd International Conference on on Smart Computing & Informatics (SCI-2018), Springer SIST Series organized by Dept of CSE & IT, PVPSIT from 27-28 Jan'18.

33. **Dr. PESN Krishna Prasad** has presented a paper on "IOT Based Smartbots for Smart City using MCC and Big Data" in 2nd International Conference on on Smart Computing & Informatics (SCI-2018), Springer SIST Series organized by Dept of CSE & IT, PVPSIT from 27-28 Jan'18.

34. **Dr. Suresh Chandra Satapathy** has published a paper "Antenna Array Synthesis Using Social Group Optimization" in International Conference on Micro-Electronics, Electromagnetic and Telecommunications (ICMEET-2K18) from 03-02-2018 to 04-02- 2018 at GVP College of Engineering for Women, Visakhapatnam

35. **Dr. Suresh Chandra Satapathy** has published a paper "DWT-PCA Image Fusion Technique to Improve Segmentation Accuracy in Brain Tumor Analysis" International Conference on Micro-Electronics, Electromagnetic and Telecommunications (ICMEET2K18) from 03-02-2018 to 04-02-2018 at GVP College of Engineering for Women, Visakhapatnam.

36. **Dr. Suresh Chandra Satapathy** has published a paper On the Design of Fractal UWB Wide-Slot Antenna with Notch Band Characteristics International Conference on Micro- Electronics, Electromagnetic and Telecommunications (ICMEET-2K18) from03-02- 2018 to 04-02-2018 at GVP College of Engineering for Women, Visakhapatnam.

37. **Mrs. V Siva Parvathi**, has presented a paper "Study on Current in Grammatical Inference in Computational Linguistics" in 3 rd International Conference on Technical advancements in Computer Science and Engineering(ISTACSE-2018) ISBN: 978-93- 83038-53-4 in Feb-2018

38. **Mrs. M Sailaja**, has presented a paper "Finding Shortest Path for Community Structures with Deep Learning" in 3rd International Conference on Technical advancements in Computer Science and Engineering(ISTACSE-2018) ISBN: 978-93-83038-53-4 on Feb2018

39. **Dr. Suresh Chandra Satapathy** has published a paper "Cost-effective and fault resilient reusability prediction model by using adaptive genetic algorithm based neural network for web-of-service applications" in Cluster Computing The Journal of Networks, Software Tools and Applications.

40. **Mrs. V. Siva Parvathi and Mrs. M. Sailaja** has presented a paper "Protected and Flexible Multi keyword Score Search Model Over Encoded Cloud Data" in International Conference on Engineering Science & Technology and Management on 30th June'18.

41. **Mrs. T. Sri Lakshmi and Mrs. A. Madhuri** has presented a paper "Validity Index Utilizing Supervised Classifiers on Clusters" in International Conference on Engineering Science & Technology and Management on 30th June'18.

42. **Mrs. A. Ramana Lakshmi and Mrs. A. Divya** has presented a paper "A Study on Performance analysis of Hierarchical and Sparse Hierarchical Clustering "in International Conference on Engineering Science & Technology and Management on 30th June'18

FDP's / Workshops Attended by Faculty :

1. **Dr. S. Madhavi, Mrs. A. Ramana Lakshmi, Mrs. G. Lalitha Kumari, Mrs. V. Siva Parvathi, Mrs. M. Sailaja, Mrs. Y. Surekha, Mr. A. Vanamala Kumar** has participated in One day workshop on "Mean Stack Development" organized by Dept of CSE PVPSIT on17-07-2017.

2. **Dr. PESN Krishna Prasad** has participated in one day workshop on "IUCEE AP chapter- EPICS" under APSSDC on 29- 07-2017.

3. **Dr. P.E.S.N. Krishna Prasad** has participated in3 day workshop on "IUCEE-AP at Tirupathi from 29-07-2017 to 01-08-2017.

4. **Mrs. A. Ramana Lakshmi** has participated in 3 day workshop on IIEECP Phase I conducted by IUCEE AP chapter organized by KL University from 31-07-2017 to 02-08-2017.

5. **Mr. V. Rajesh, Mr. K. Venkatesh** has Participated Two Day Workshop on Finite Element Analysis of Structures (FEAST) Software organized by PVPSIT from 03-08-2017 to 04-08-2017.

6. **Mr. K. Syama Sundara Rao** has participated in one day workshop on "I2E Educator's Boot Camp" organized by Fortune Murali Park, Vijayawada conducted by APSSDC on 08-08-2017.

7. **All Faculty Members** has participated in One-Week FDP on "Computer Vision, information Theory & Analytics (CVITA)" organized by Dept of CSE PVPSIT from 28-08-2017 To 01-09-2017.

8. **Mr. N. V. Ramana Guptha** has participated in One Day Faculty Development Programme on "Networking Simulation using Qualnet software" organized by DELLSOFT Technologies on 21-09-2017.

9. **Dr. PESN Krishna Prasad** has participated in10-Day GIAN Course on Artificial Intelligence for MR Brain Image Processing organized by NIT Rourkela from 09- 10-2017 to 18-10-2017.

10. **Mr. K. Syama Sundara Rao** has participated in a workshop on "Amazon Web Services Essentials" organized by APSSDC in collaboration with Dhanekula Institute of Technology from 12-10-2017 to 13-10-2017.

11. **Mr. S. Phani Praveen** has participated in 6 th International Conference on Frontiers in Intelligent Computing: Theory and Applications (FICTA) organized by KIIT University from 14-10-2017 to 15-10-2017.

12. **Dr. S. Madhavi, Mrs. T. Sri Lakshmi, Mr. A. Vanamala Kumar** has participated in faculty training program on PATENT FILING organized by Dept of IT VRSEC on 11-11-2017.

13. **Mrs. A. Madhuri** has participated in one week FDP on "Data Science and Big Data Analytics" organized by MIC College of Technology, Kanchikacherla from 13-11-2017 to 18-11-2017.

14. **All Faculty Members** has participated in one week short term training program on "Intelligent Computing & Deep Learning" organized by Dept of CSE PVPSIT from 20-11-2017 to 25-11-2017.

15. **Dr. PESN Krishna Prasad** has participated in2nd International Conference on Advanced Computing and Intelligent Engineering organized by Central University of Rajasthan, Ajmer from 23-11-2017 to 25-11-2017.

16. **Mrs. V. Siva Parvathi, Mrs. M. Sailaja** has participated in two day conference on "Computational Intelligence and Big Data Analytics (CIBDA-2017)" organized by Andhra University from 15-12-2017 to 16-12-2017.

17. **Dr. B. Janakiramaiah and Ms .A. Divya** participated in FDP on "Quality Improvement Program on Question Paper Setting and Student Evaluation" at VRSEC from 16th April'18 to 18th April'18.

18. **Mr. P. Anil Kumar** participated in FDP on "Data Structures and Algorithms" at Madanapalle Institute of Technology and Science from 28th May'18 to 1stJune'18.

19. **Mrs. T. Sri Lakshmi** has participated in summer school on "Advances in Speech Processing Applications" held during 14-19 May'18 at IIIT Hyderabad.

20. **Mr. A. Yuva Krishna** has participated in FDP on "ANN and Deep Learning" held during 11-15 June'18 at NIT Warangal.

21. **Ms. D. Swapna, Ms. A. Madhuri, Mr. S Phani Praveen and Mr. A. Vanamala Kumar** has attended two day workshop on 'AWS Skill Guru (Cloud Computing)' organized by APSSDC at Vignan University Guntur from 18th - 19th June 2018.