

**PVP SIDDHARTHA INSTITUTE OF TECHNOLOGY (AUTONOMOUS),
KANURU, VIJAYAWADA-520007**

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FACULTY ACHIEVEMENTS (2018-19)

APRIL-2019

a) Professional activities: Workshops/seminars/conferences participated:

1. **Dr. S. Madhavi, A. Ramana Lakshmi, J. Rama Devi, D. Sree Lakshmi, T. Sri Lakshmi, A. Madhuri, A. Divya, B. Lakshmi Ramani, D. Lokesh Sai Kumar, A. Yuva Krishna, B. Vishnu Vardhan** have attended One Week FDP on “NBA Accreditation (ICT01)” organized in Association with National Mission on Education Through ICT, NITTR- Kolkata through ICT mode from 22-4-2019 to 26-4-2019.
2. **D. Swapna, S. Phani Praveen** has attended One Week FDP on “Artificial Intelligence, machine Learning and Block Chain Technology in Production and Supply Chain” organized by NITW, Warangal from 25-4-2019 to 30-4-2019.
3. **A. Divya** has attended Two-Day National Workshop on “ Interdisciplinary Translational Research in Pursuit of Better Healthcare” organized by Pinnamaneni Siddhartha Institute of Medical Sciences & Research Foundation, Vijayawada from 24-4-2019 to 25-4-2019.
4. **Mr. IMV Krishna** has attended Three Day FDP on “Modern Pedagogical Techniques and Creative Problem solving” organized by IQAC, VR Siddhartha Engg. College, Vijayawada from 15-4-2019 to 17-4-2019.

b) Papers Presented/ Published:

1. **Dr. B. Janaki Ramaiah** published a paper entitled “Design analysis of Mobile Cloud Risk architecture for Banking system”, Caribbean Journal of Science, ISSN: 0008-6452, Mar-2019. [Indexed in SCI/Scopus].
2. **Dr. B. Janaki Ramaiah**, published a paper entitled ‘Automatic Alert Generation in a Surveillance Systems for Smart City Environment using Deep Learning Algorithm’ International Journal of Knowledge-Based and Intelligent Engineering Systems, ISSN: 1327-2314, 2019. [Indexed in Scopus].

c) Achievements :

1. **Dr. A. Jaya Lakshmi** has joined as the head of the department on 22.4.2019.
2. **Dr. K. Koteswara Rao** has got the membership for the International Association of Engineers (IAENG)(member no: 101901) and the following societies the IAENG Society of Artificial Intelligence, the IAENG Society of Computer Science, the IAENG Society of Information System Engineering, the IAENG Society of Software Engineering

3. Alumni Chennai Local Chapter Meet 2K19:

PVPSIT Initiated Alumni Chennai Local Chapter Meet on 28.4.2019. Alumni from different MNCS took active participation. Total 33 Alumni's from Department of Computer Science and Engineering took participation and give valuable suggestions, for course curriculum improvements.



MARCH-2019

a) Professional activities: Workshops/seminars/conferences participated:

1. **Dr. S. Madhavi** has participated in Two Day National Conference on “Innovative Mechanisms & Standards for Assuring Quality in Higher Education Institutions- AIQHEI’2019” organized by Koneru Lakshmaiah Educational Foundation from 22-3-2019 to 23-3-2019.
2. **Mr. IMV Krishna** has attended One Week FDP on “ Machine Learning for Applications in Language, Vision and Control” organized by E & ICT Academy NIT Warangal at NIT Andhra Pradesh from 25-3-2019 to 30-3-2019.
3. **G. Lalitha Kumari** has participated in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.

b) Papers Presented/ Published:

1. **Dr. K.Koteswara Rao, Dr. A.Sudhir Babu, Ch. Chandra Mohan and P. Anil Kumar** presented a paper entitled "An Insight into Model Based Software Testing-Research Perspectives" in International Conference of Recent Advances in Computer Science and Engineering held at Acharya Nagarjuna University from 4-3-2019 to 5-3-2019.
2. **V.Siva Parvathi, M. Sailaja** has presented a paper on “Analysis of Machine Learning AdaBoost Based Classifier” in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.

3. **A.Vanamala Kumar, Y. Surekha** has presented a paper on “ Machine Learning Based AdBoost Algorithms “ in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.
4. **B.N. Swamy, M. Ram Gopal** has presented a paper on “ Image Forgery Detection by Using Machine Learning” in International Conference on Science, Technology and Management organized by Department of Computer Science, SDMS Mahila Kalasala, Vijayawada on 30-3-2019.

FEBRUARY-2019

a) Professional activities: Workshops/seminars/conferences participated:

1. **Dr. B.Janakiramaiah**, Attended Two day R & D Show Case -2019, Conducted by IIIT-Hyderabad, during Feb 23-24, 2019.

b) Achievements:

1. **Dr. A. Sudhir Babu** acted as the Judge for the event Technical Paper Presentation and Coding & Debugging for AFOSEC-2019 on 14th February 2019.
2. **Dr. A. Sudhir Babu** acted as the Panel Judge for Student Technical Event (NALEDGE'19) on the eve of GECFEST'19 at Gudlavalleru Engg. College, Gudlavalleru on 22nd February 2019.
3. **G. Lalitha Kumari and Y Surekha** has got the patent for “ I-SWITCH: Intelligent Switch Using IR Receiver and IR Transmitter” with Application ID: 201921005023 on 8th February 2019 at IPR Government of India.
4. **Dr. A. Sudhir Babu and Dr. K. Koteswara Rao** acted as evaluators for the project "Design GPS applications based on NAVIC" The Integrated Technology (InTech) Olympiad 2019.
5. **Dr. K. Koteswara Rao and Dr. A. Sudhir Babu** has published the patent “METHOD AND APPARATUS FOR THREAD MIGRATING IN OPERATING SYSTEM” filed with application Number 201941006212 A at IPR Government of India
6. **A. Vanamala Kumar** has participated in the “46 th A.P College Teachers Badminton Tournament” at SRR & CVR Govt. Degree College, Vijayawada from 16th ~17th February, 2019.

JANUARY-2019

a) Professional activities: Workshops/seminars/conferences participated:

1. **Mr. A. Vanamala Kumar** attended a Workshop on “Artificial Intelligence and Deep Learning” at VR Siddhartha Engineering College, Vijayawada from 26-01-2019 to 28-01-2019.

2. **Mr. A. Vanamala Kumar** attended 1-Day SPOC workshop on 19-01-2019 at IC & SR by IIT Madras.
3. **Mr. A. Vanamala Kumar** attended 1-Day workshop on “Effective Mentoring in NPTEL Online Courses” on 18-01-2019 at IIT Madras.
4. **Mr. K. Vijay Kumar, Mr. N.V. Ramana Gupta, Mr. A. Vanamala Kumar, Mr. D. LokeshSai Kumar, Dr. S. Madhavi, Ms. A. Ramana Lakshmi, Ms. B. L. Ramani, Ms. D. Sree Lakshmi, Ms. T. Sri Lakshmi, Ms. A. Divya** received certificates from NITTTR Kolkata on account of a Short Term Training Program through ICT mode on “**Introduction to Network Security**” held from 03-12-2018 to 07-12-2018. The Co-ordinator to this STTP is Ms. T. Sri Lakshmi.

b) Papers Presented in Conferences :

1. **Dr. B. Janakiramaiah** has presented a paper entitled “Reducing Dimensionality of Data Using Autoencoders” in Third International Conference on Smart Computing and Informatics(SCI) on 21st -22nd December-2018 at KIIT-Bhubaneswar (Scopus Indexed)
2. **Dr. K. Koteswara Rao and Dr. A. Sudhir Babu** has presented a paper entitled “Healthcare using machine learning aspects” in DST Sponsored Second National Conference on Cyber Security, Image Processing, Graphics, Mobililty & Analytics (NCCSIGMA-2K19) on 24th - 25th January-2019 at CMR Technical Campus, Medchal, Hyderabad. (Scopus Indexed)
3. **Dr. K. Koteswara Rao, Dr. A. Sudhir Babu, Mr. P. Anil Kumar, and Mr. Ch. Chandra Mohan** has presented a paper entitled “Software application test case generation with OBDM” in DST Sponsored Second National Conference on Cyber Security, Image Processing, Graphics, Mobililty & Analytics (NCCSIGMA-2K19) on 24th - 25th January-2019 at CMR Technical Campus, Medchal, Hyderabad. (Scopus Indexed)
4. **Ms. D. Swapna and Mr. S. Phani Praveen** has presented a paper entitled “An Exploration of Distributed Access Control Mechanisms using Block Chain” in Third International Conference on Smart Computing and Informatics(SCI) on 21st -22nd December-2018 at KIIT-Bhubaneswar (Scopus Indexed)
5. **Mr. K. Venkatesh and Mr. V. Rajesh** has presented a paper entitled “SQLLADP:A Novel Framework to Detect and Prevent SQL Injection Attacks” in Third International Conference on Smart Computing and Informatics(SCI) on 21st -22nd December-2018 at KIIT-Bhubaneswar (Scopus Indexed)

c) Faculty Achievements:

1. **Mrs. CH. Ratna Jyothi** was awarded PhD from Krishna University, Machilipatnam.

2. **Mr. A. Vanamala Kumar** has received appreciation award from NPTEL for his instrumental role as SPOC for the SWAPYAM- NPTEL Local Chapter to achieve “A Grade “ based on performance in NPTEL Online Certification Courses in the period of Jul-Oct 2018.



Receiving award from Prof. Bhaskar Ramamurthy, Director IIT Madras

DECEMBER-2018

a) Professional activities: Workshops/seminars/conferences participated:

1. **Dr. B. Janakiramaiah** has presented a paper entitled “Suppression of Artifacts for Mobile ICG using Non-linear Adaptive Algorithms” in International Conference on Information System Design and Intelligent Applications (INDIA) in 2018
2. **A.Yuva Krishna** has presented a paper entitled “ A Review on Flow Control Using Computer Networks” in International Conference on Computer Vision and Machine Learning in Dec-2018.
3. **CH. Chandra Mohan** has participated in 6th International Conference on “Big Data Analytics 2018” organized by Dept. Of CSE, NITW, Warangal from 18-12-2018 to 21-12-2018.
4. **V.Siva Parvathi** has presented a paper entitled “ A Deep Learning Sentiment Primarily Based Intelligent Product Recommendation System” in 5th International Conference on “Cognitive Science and Artificial Intelligence (ICCSAI’18)” organized by Institute of Bioinformatics and Computational Biology(BCB), Andhra University, Visakhapatnam during 28-12-2018 to 29-12-2018.

b) Faculty Publications:

1. **J. Rama Devi** has published a paper entitled “A new generic interpretation of enhanced subspace clustering in high dimensional data”, in International Journal of Engineering & Technology (UAE), Vol-7, Issue-4 in Dec-2018, ISSN: 2227-524X (Scopus Indexed).

2. **G Lalitha Kumari** has published a paper entitled “Hybridization of PSO-ABC Based Ensemble Classification Model for High Dimensional Medical Datasets”, in International Journal of Simulation: Systems, Science & Technology (IJSSST), Vol-7, Issue-4 in Dec-2018, ISSN: 1473-804x (Scopus Indexed).
3. **N. Venkata Ramana Gupta** has published a paper entitled “Behavioural assessment of metrics in manet routing protocols under realistic environments”, in International Journal of Engineering & Technology (UAE), Vol-7, Issue-4 in Dec-2018, ISSN: 2227-524X (Scopus Indexed).
4. **D. Lokesh Sai Kumar, B. Vishnu Vardhan and A. Yuva Krishna** has published a paper entitled “ An IOT Based Tracking and Monitoring System for School Children Safety for School Children”, in Global Journal of Engineering Science and Researches, Vol-5, Issue-12 in Nov-2018, ISSN: 2348-8034

c) Achievements:

1. **Dr. A. Sudhir Babu and Dr. K. Koteswara Rao** has applied for patent titled” Method and Apparatus for Thread Migrating in Operating System” to IPR, Govt. Of India in December 2018.
2. **Dr. A. Sudhir Babu, Dr. K. Koteswara Rao, P. Anil Kumar , CH. Chandra Mohan** got acceptance for the paper “ An insight into the application of Data Science and Machine Learning to Health care-Research Perspectives” in the International Conference ICMMI 2019 going to be held on 22-24 March’19 at Osaka University, Tokyo, Japan.
3. **Dr. K. Koteswara Rao** was acted as the resource person for Guest lecture on “Quality Publications and Funding Schemes” at Swami Vivekananda Engg. College, Bobbili on 26-12-2018.
4. **Dr. K. Koteswara Rao** was acted as the resource person for Guest lecture on “Soft computing and Its Applications” at Swami Vivekananda Engg. College, Bobbili on 31-12-2018.
5. **D. Sree Lakshmi and Ch. Ratna Jyothi** has got a fund of Rs.51, 000/- for minor research project on “IOT Based Smart Campus Light Management System” from SAGTE in December 2018.
6. **Dr. A. Sudhir Babu** has applied for AICTE STTP on “ Machine Learning and IOT Technologies for Environmental Issues”
7. **K. Vijay Kumar** has got admission for Ph.D. in VIT-AP in December-2018.
8. **A. Yuva Krishna and M. Ram Gopal** has got admission for Ph.D. in Annamalai University in December-2018.
9. **A. Vanamala Kumar** has got the Appreciation from NPTEL for Acting as the Instrumental Role as SPOC for SWAYAM-NPTEL Local Chapter in the time period of July-October 2018 and the Institution got All India 53 Rank among 2500 other institutions.

10. **Dr. K. Koteswara Rao** applied for AICTE MODROBES proposal on “ Modernisation of Cloud and IOT Applications Lab” on 12-12-2018.
11. **Dr. A. Sudhir Babu** has applied for AICTE PRERANA- Programme fund for SC, ST Students in December 2018.

NOVEMBER-2018

a) Professional activities: Workshops/seminars/conferences participated:

1. **B. Vishnu Vardhan** has attended One Week FDP on “Scientific Computing with Python” at NIT Warangal from 20th – 25th November 2018.
2. **D. Lokesh Sai Kumar** has attended One Week FDP on “Scientific Computing with Python” at NIT Warangal from 20th – 25th November 2018.
3. **A. Madhuri** has attended One Week FDP on “Scientific Computing with Python” at NIT Warangal from 20th – 25th November 2018.
4. **D. Sree Lakshmi** has attended One Week FDP on “Scientific Computing with Python” at NIT Warangal from 20th – 25th November 2018.
5. **A. Vanamala Kumar** has attended a Three Day FDP on “ Machine Learning Using Python” at Bapatla Engineering College from 15th – 17th November 2018.
6. **A. Vanamala Kumar** has attended “AWS MoU Exchange Program” at A Convention centre, Vijayawada on 14th November 2018.
7. **A. Vanamala Kumar** has attended an Orientation session on “ Integration of Innovative Technologies to Boost Competitiveness” at The Gateway Hotel, Vijayawada on 2nd November 2018.
8. **A. Yuva Krishna** has attended One week FDP on “ Data Sciences” under AICTE Margadarshan Scheme at VRSEC from 12th -16th November 2018.

b) Faculty Publications:

1. **Dr. S. Madhavi** has published a paper entitled “ Power Controlled Secured Transmission Using self-organising Trusted Node Model” in International Journal of Pure and Applied Mathematics.
2. **V Sivaparvathi** has published a paper entitled “A Survey On Sentiment Analysis” in International Journal For Innovative Engineering And Management Research in November 2018.
3. **M. Sailaja and V. Siva Parvathi** has published a paper entitled “A Detailed Study And Advancement Of Block chain” in International Journal For Innovative Engineering And Management Research in November 2018.

c) Faculty Achievements:

1. **Dr. A. Sudhir Babu and Dr. K. Koteswara Rao** are the Advisory Committee Members for 3rd International Conference on “ Smart Trends For Computing and Communications(SmartCom 2019) going to be conducted from 24th – 25th January 2019 at

Bangkok organized by Springer Smart Innovation, Systems And Technologies Series. indexed by Scopus.

2. **Dr. B. Janaki Ramaiah** has delivered a lecture in One Day FDP on “ How to Write a Research Paper” at Gudlavalleru Engineering College on 23rd November 2018.
3. **K. Vijay Kumar** has got the patent filed on “A System for Ranking Products across E-Commerce Sites Based on Weighted Facet Along With Validated Reviews” with Application No: 201841042350A on 16th November 2018.

OCTOBER-2018

a) Professional activities: Workshops/seminars/conferences participated:

Dr. S. Madhavi has presented a paper entitled “Isolation Detection and Secured Quantum Communication on the ENP” at 2nd International Conference on Nano Science & Engineering Applications, held ruing 4th to 6th October 2018.

b) Faculty Publications

1. **Mrs. D.Sree Lakshmi, Dr.A.Sudhir Babu and Ms. A.Divya** have published a paper entitled “An Insight into Free and Open source Software” in International Journal Scientific Research in Science and Technology in September-2018.
2. **Ms.T.Sri lakshmi and Ms.A.Madhuri** have published a paper entitled “ Validity Index Utilizing Supervised Clusters” in Global Journal of Engineering Science and Researches in July-2018.

c) Faculty Achievements:

1. **Dr.S.Madhavi** has won best Oral presentation at 2nd International Conference on Nano Science & Engineering Applications, held ruing 4th to 6th October 2018 a paper entitled “Isolation Detection and Secured Quantum Communication on the ENP
2. **Dr. K. Koteswara Rao** has got his patent published “Fault Reduction System For Software Applications” with application Number 201841035944A, Docket number 69253 and reserved utility patent at IPR Government of India
3. **Dr. A. Sudhir Babu, Dr. K. Koteswara Rao** was the Editorial Members for the Journal JSCR.

SEPTEMBER-2018

a) Professional activities: Workshops/seminars/conferences participated:

1. **Dr B. Janakiramaiah** has attended a conference “World Summit on Accreditation (WOSA 2018)”, on “Challenges and Opportunities in Outcome Based Accreditation” at New Delhi from 07-09-2018 to 09-09-2018.
2. **J. Rama Devi , G. Lalitha Kumari, A. Madhuri, T. Sri Lakshmi, A. Yuva Krishna** has participated in Two day Faculty Development Programme on “DATA SCIENCE AND ITS APPLICATIONS” organized by Department of IT, PVPSIT from 28-9-18 to 29-9-18.

b) Faculty Publications:

1. **V. Siva Parvathi, M. Sailaja** has published a paper entitled “Learning Grammar for Web Server URIs with High Accuracy using Recurrent Neural Network Architecture” in Journal of Advanced Research in Dynamical and Control Systems.

c) Faculty Achievements:

1. **V.Rajesh** has got BEST TEACHER AWARD in PVPSIT.



Felicitation to V Rajesh for Best Teacher Award

2. **Dr. K. Koteswara Rao, P. Anil Kumar, Ch.Chandra Mohan** has got the patent for “Fault Reduction System For Software Applications” with application Number 201841035944A, Docket number 69253 and reserved utility patent at IPR Government of India
3. **N.V. Ramana Gupta** has acted as a resource person for one day Hands on workshop on “NS3 Simulator Tool” at RVRJC College of Engineering on 29-8-18.

AUGUST-2018

a) Professional activities: Workshops/seminars/conferences participated:

1. **A. Vanamala Kumar** has participated in UGC Orientation workshop on Adoption, Promotion and Production of MOOC's for SWAYAM platform organized by South Eastern Regional Office, UGC, Hyderabad on 31-8-2018 at Maulana Azad National Urdu University, Gachibowli, Hyderabad.

b) Publications:

1. **D. Swapna and S. Pahnı Praveen** has published a paper entitled “Enhanced block Chain-Based Electronic Voting System” in Journal of Advanced Research in Dynamical & Control Systems, Vol. 10, 07-Special Issue, 2018.