

Volume 6 Issue 1



# Department of Computer Science & Engineering

A Half- Yearly Newsletter

## TECH TIMES

**January 2019**

**PRASAD V. POTLURI SIDDHARTHA  
INSTITUTE OF TECHNOLOGY**

**NEWS LETTER**


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## **Department of Computer Science & Engineering**

The Department of Computer Science and Engineering was formed in the year 1999. The department has started B.Tech program with an initial intake of 40 in the year 1999 and 120 from 2007 onwards. The department has also started M.Tech program with an initial intake of 18 in the year 2006, and an increase in the intake to 36 in the year 2011. The department is accredited by NBA in the year 2007 for a period of 3 years and was reaccredited in the year 2012 for a period of 2 years. And was reaccredited in 2016 for a period of 3 years.

The department has 32 qualified teaching staff with 5 PhDs and 27 M.Techs. Our faculty members aim at delivering top class education blending their rich research experience with class room teaching. The entire faculty is involved in research activities and has published/presented papers in national and international journals and conferences.

The department has ACM student chapter and CSI student chapter. The department offers various certification training programs to students like APSSDC Mobile App Development Program to make the students well prepared to face the industry. The department has also established Intel FICE Lab to encourage students with new technologies.

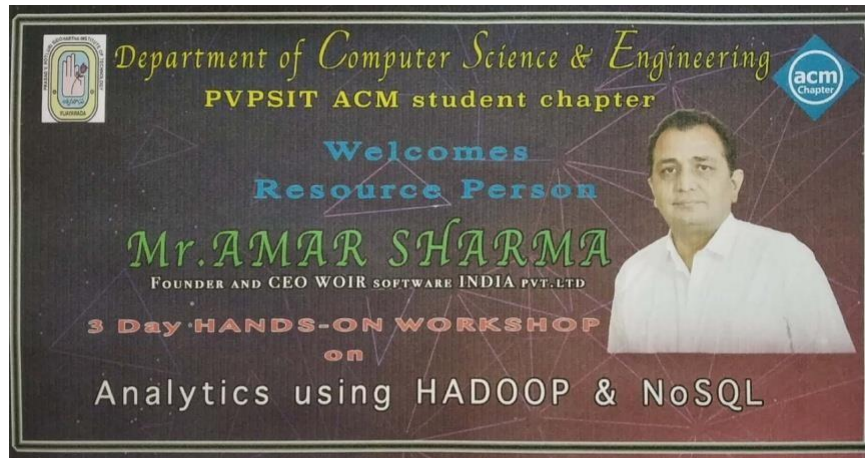
## **Guest Lectures / Workshops / Co-curricular events organized by Department**

1. The department of CSE organized a orientation program on **“Research & Development”** by Dr. D.V.L.N Somayajulu from NIT Warangal on 06-07-2018.
2. The department of CSE has organized a Guest Lecture on **“Internships”** by Mr. Azad from Omega technologies on 11-07-18
3. The department. of CSE has organized a guest lecture for the staff on **“Intellectual Rights for Patents”** by Mr. K.V.V.S Krishna Prasad on 13-07-2018.
4. The Department of CSE has organized a Guest Lecture on **“Applications of programming languages in academics and industries”** by Mr. K.V. Krishna Rao from IIT Madras on 18-07-2018.
5. The department of CSE has organized 2-Day Student Training Program on **“Hands on-Robotic Applications”** “in collaboration with a start-up of IIT Bhuvanewar and SakRobotix Lab Pvt.Ltd. , from 19-07- 2018 to 20-07-2018



**Fig 1: Two Day Student Training Program on “Hands on-Robotic Applications”**

6. The department of CSE has organized a Guest Lecture on **“Challenges and Opportunities in IT and Financial Sector”** by Dr. K. Sai Manoj on 25-07-18.
7. The department of CSE has organized a Guest Lecture on **“Higher Studies in USA”** by AP NRI association in collaboration with APSSDC on 04-08-2018.
8. The department of CSE has organized three Days Hands-On Workshop on **“Analytics using HADOOP & No SQL”** from 16-8-2018 to 18-8-2018.



**Fig 2: Three Day Hands-On Workshop on “Analytics using HADOOP & No SQL”**

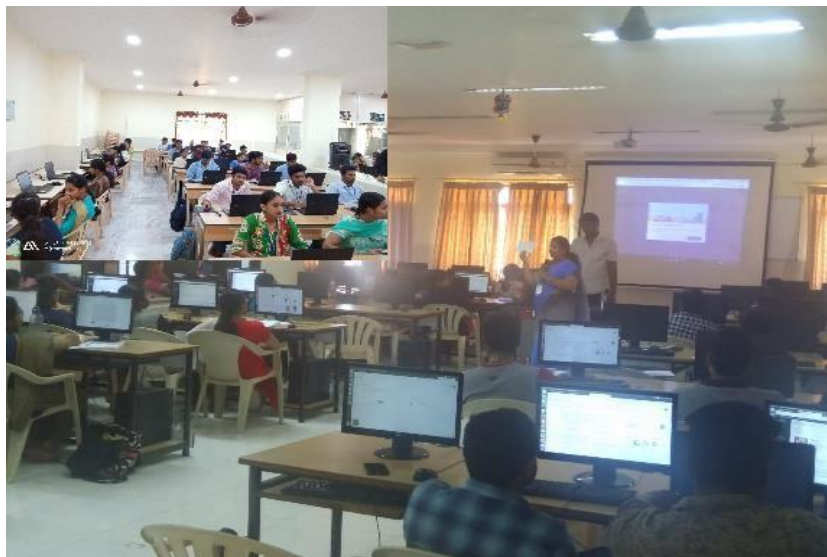
**Resource Person:** Mr.Amar Sharma, Founder and CEO WOIR Software INDIA pvt.ltd.

**Co-Ordinators:**

1. Mr. N.V. Ramana Guptha, Asst.Professor
2. Ms. D.Sree Lakshmi Asst. Professor.

68 students of III year CSE Department has participated in the workshop.

9. The department of CSE has organized Thirty Days Workshop on “**Indian Game Development Challenge**” from 27-08-2018 to 28-09-2018.



**Fig 3: Workshop on “Indian Game Development Challenge”**

**Resource Person:** P Naga Prasanna Lakshmi, Trainer from APSSDC

17 students of CSE Department have participated in this workshop.

10. The department of CSE has organized a written test for III B.Tech students for getting internship at **INNOGEECKS** Software on 31-08-2018.
11. The department of CSE has organized Three Day Workshop on “**Embedded through IOT**” from 22-09-2018 to 24-09-2018

**Resource Person:** Mr. B.Mahidhar, Trainer from APSSDC.

42 Students of CSE Dept. has participated in this workshop

12. The department of CSE has organized Two Day Workshop on “**Digital Marketing**” from 28-9-2018 to 29-9-2018.



**Fig.4: Two Day Workshop on “Digital Marketing”**

**Resource Person:** S.Siva Lalitha, CEO, Hyper Techno Solutions Vijayawada

62 students of CSE Department have participated in the workshop.

13. The department of CSE has organized One Day Refresher Course on “Introduction to Python Programming” for II and III year students by Mr. K. Aravind, IV CSE on 21-12-2018.



**Fig.5: Workshop on “Introduction to Python Programming”**

14. The department of CSE has organized Three Day Workshop on “Machine Learning and it’s Applications” for II and III year students by Dr. V. Sunil Kumar, Principal Scientist, Philips Research India Ltd, Bengaluru from 27-12-2018 to 29-12-2018.



**Fig.6: Workshop on “Machine Learning and its Applications”**

15. The Department of Computer Science & Engineering has organized cultural events for B.Tech CSE students as a part of the weekend cultural program, on 22<sup>nd</sup> December, 2018.



**Fig.7: Cultural Events organized by CSE Department**

### **Faculty Achievements**

1. **Mr. V. Rajesh** got **Best Teacher Award** in PVPSIT.



**Fig : Felicitation to V Rajesh for Best Teacher Award**

2. **Dr. A. Sudhir Babu** has got the **patent** for “Optimized DSR Protocol with trust mechanism” with application number 201841031506.
3. **Dr. K. Koteswara Rao, Mr. P. Anil Kumar, Mr. 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
4. **Mr. N.V. Ramana Gupta** has acted as a **resource person** for one Day Hands on workshop on “NS3 Simulator Tool” at R.V.R & J.C College of Engineering on 29-8-2018.
5. **Dr. B. Janaki Ramaiah**, Professor, Dept. of CSE acted as **Reviewers** for the International conference on Transformations in Engineering Education - Imparting Futuristic Skills (ICTIEE-IFS) on 15th, 16th & 17th July 2018 at SRM University AP, Amaravati.
6. **Dr. S. Madhavi** has won **best Oral presentation** at 2<sup>nd</sup> International Conference on Nano Science & Engineering Applications, held during 4<sup>th</sup> to 6<sup>th</sup> October 2018 a paper entitled “Isolation Detection and Secured Quantum Communication on the ENP
7. **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
8. **Dr. A. Sudhir Babu and Dr. K. Koteswara Rao** were the **Editorial Members** for the Journal JSCR.
9. **Dr. A. Sudhir Babu and Dr. K. Koteswara Rao** are the **Advisory Committee Members** for 3<sup>rd</sup> International Conference on “ Smart Trends For Computing and Communications(Smart Com 2019) going to be conducted from 24<sup>th</sup> – 25<sup>th</sup> January 2019 at Bangkok organized by Springer Smart Innovation, Systems And Technologies Series. indexed by Scopus.
10. **Dr. B. Janaki Ramaiah** has **delivered a lecture** in One Day FDP on “How to Write a Research Paper” at Gudlavalleru Engineering College on 23<sup>rd</sup> November 2018.
11. **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: 201841042350 A on 16<sup>th</sup> November 2018.
12. **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.
13. **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.

14. **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.
15. **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.
16. **Ms. D. Sree Lakshmi and Ms.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.
17. **Dr. A. Sudhir Babu** has **applied for AICTE STTP** on “ Machine Learning and IOT Technologies for Environmental Issues”
18. **Mr. K. Vijay Kumar** has got **admission for Ph.D.** in VIT-AP in December-2018.
19. **Mr. A. Yuva Krishna and Mr. M. Ram Gopal** has got **admission for Ph.D.** in Annamalai University in December-2018.
20. **Mr. 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.
21. **Dr. K. Koteswara Rao** **applied for AICTE MODROBES proposal** on “Modernisation of Cloud and IOT Applications Lab” on 12-12-2018.
22. **Dr. A. Sudhir Babu** has **applied for AICTE PRERANA-** Programme fund for SC, ST Students in December 2018.

#### **Faculty Publications/ Conferences**

1. **Ms. V. Siva Parvathi, Ms. Y. Surekha and Mr. A. Vanamala Kumar** has published a paper entitled “Design and Analysis of Deep Learning in Neural Networks” in International Journal of Research in Advent Technology in July-2018.
2. **Ms. A. Ramana Lakshmi and Ms. A. Divya**, has published a paper entitled “A Study on Performance Analysis of Hierarchical Clustering and Sparse Hierarchical Clustering” in Global Journal of Engineering Science and Researches in August-2018.
3. **Mr. M. Ram Gopal and Mr. A. Vanamala Kumar** has published a paper entitled “Deep Neural Networks on State Space Dynamical Systems Representation” in Global Journal of Engineering Science and Researches in August-2018.
4. **Ms. D. Swapna and Mr. S. Phani Praveen** has published a paper entitled “Enhanced block Chain-Based Electronic Voting System” in Journal of Advanced Research in Dynamical & Control Systems, in September-2018.



5. **Ms. V. Siva Parvathi, Ms. 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.
6. **Mr. S. Phani Praveen and Ms. D. Swapna** has published a paper entitled “An Advanced Approach for Detecting the Tumors in Brain” in International Journal of Research in Electronics and Computer Engineering in September-2018.
7. **Ms. 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 of Scientific Research in Science and Technology in September-2018.
8. **Dr. S. Madhavi** has presented a paper entitled “Isolation Detection and Secured Quantum Communication on the ENP” at 2<sup>nd</sup> International Conference on Nano Science & Engineering Applications, held during 4<sup>th</sup> to 6<sup>th</sup> October 2018.
9. **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. [Scopus Indexed]
10. **Ms. V. Siva parvathi** has published a paper entitled “A Survey On Sentiment Analysis” in International Journal For Innovative Engineering And Management Research in November 2018.
11. **Ms. M. Sailaja and Ms. 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.
12. **Dr. S. Madhavi** has presented a paper entitled “Isolation Detection and Secured Quantum Communication on the ENP” at 2<sup>nd</sup> International Conference on Nano Science & Engineering Applications, held during 4<sup>th</sup> to 6<sup>th</sup> October 2018.
13. **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
14. **Mr. 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.
15. **Ms. V. Siva Parvathi** has presented a paper entitled “ A Deep Learning Sentiment Primarily Based Intelligent Product Recommendation System” in 5<sup>th</sup> 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.

16. **Dr. S. Madhavi** has published a paper entitled “ Power Controlled Secured Transmission Using self-organizing Trusted Node Model” in International Journal of Pure and Applied Mathematics. [Scopus Indexed]
17. **Ms. V. Siva Parvathi** has published a paper entitled “A Survey on Sentiment Analysis” in International Journal for Innovative Engineering and Management Research in November 2018.
18. **Ms. M. Sailaja and Ms. 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.
19. **Ms .J. Rama Devi** has published a paper entitled “A new generic interpretation of enhanced subspace clustering in high dimensional data”, in in International Journal of Engineering & Technology (UAE), Vol-7, Issue-4 in Dec-2018, ISSN: 2227-524X (Scopus Indexed).
20. **Ms. 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 (IJSST), Vol-7, Issue-4 in Dec-2018, ISSN: 1473-804x (Scopus Indexed).
21. **Mr. 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).
22. **Mr. D. Lokesh Sai Kumar, Mr. B.Vishnu Vardhan and Mr. 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

#### **Workshops/Faculty Development Programs attended by the faculty**

1. **Mr. A. Vanamala Kumar** has participated in NPTEL Workshop conducted by IIT Madras on 14-07-2018
2. **Mr. 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, and Hyderabad on 31-08-2018 at Maulana Azad National Urdu University, Gachibowli, Hyderabad.
3. **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.

4. **Ms. J. Rama Devi, Ms. G. Lalitha Kumari, Ms. A. Madhuri, Ms. T. Sri Lakshmi, Mr. A. Yuva Krishna** has participated in Two Day Faculty Development Program on “Data Science and its Applications” organized by Department of IT, PVPSIT from 28-9-2018 to 29-9-2018.
5. **Mr. A. Vanamala Kumar** has attended an Orientation session on “Integration of Innovative Technologies to Boost Competitiveness” at The Gateway Hotel, Vijayawada on 2<sup>nd</sup> November 2018.
6. **Mr. A. Yuva Krishna** has attended One week FDP on “Data Sciences” under AICTE Margadarshan Scheme at VRSEC from 12<sup>th</sup>-16<sup>th</sup> November 2018.
7. **Mr. A. Vanamala Kumar** has attended “AWS MoU Exchange Program” at A Convention centre, Vijayawada on 14<sup>th</sup> November 2018.
8. **Mr. A. Vanamala Kumar** has attended a Three Day FDP on “Machine Learning Using Python” at Bapatla Engineering College from 15<sup>th</sup> – 17<sup>th</sup> November 2018.
9. **Ms. D. Sree Lakshmi, Ms. A. Madhuri , Mr. B. Vishnu Vardhan and Mr. D. Lokesh Sai Kumar** has attended One Week FDP on “Scientific Computing with Python” at NIT Warangal from 20<sup>th</sup> – 25<sup>th</sup> November 2018.
10. **Mr.Ch. Chandra Mohan** has participated in 6<sup>th</sup> International Conference on “Big Data Analytics 2018” organized by Dept. Of CSE, NITW, Warangal from 18-12-2018 to 21-12-2018

### **Student Achievements**

1. **9 students** have got placed in **TCS (CODE VITA)** in which 2 students has got the package of **7.0 lakhs**.
2. **29 students** have got placed in **CAPGEMINI**.
3. **4 students** got placed in **Value Labs**.

### **Student Publications**

1. **A Kavitha** has published a paper entitled “Feature Selection Using DWT+SVD For Fusion Based Multimodel Authentication”, in collaboration with **Dr. MV Rama Krishna, Mr. N V Ramana Gupta, Mr.P. E.S.N Krishna** in International Journal Of Computer Science And Engineering in July-2018.
2. **Avirneni Veda Sri**, has published a paper entitled “A Prioritized Approach For WAN Traffic In SDN Using Openflow And Mininet”, in collaboration with **Mr. B Narasimha Swamy** in International Journal Of Computer Science in August-2018.
3. **B Ravi Nanadan** has published a paper entitled “Enhanced Image Searching In Multiple Databases Using RerankingModel”, in collaboration with **Mr. I. M. V Krishna, Ms. B.**

- Lakshmi Ramani, Ms. A Divya**, in International Journal Of Applied Engineering Research in August-2018.
4. **G ChinnaRao** has published a paper entitled “Ensemble High Utility Item Sets”, in collaboration with **Mr. V Rajesh, Mr. K Venkatesh, Ms. D Swapna** in International Journal Of Advances In Arts, Science And Engineering in August-2018
  5. **G Naga Sireesha** has published a paper entitled “Design And Analysis of Deep Learning In Neural Networks”, in collaboration with **Ms. V Siva Parvathi, Ms. Y Surekha, Mr. A Vanamala Kumar**, in International Journal Of Research In Advent Technology in July-2018.
  6. **D Hasmitha** has published a paper entitled “An Efficient Approach for Ids Using Minimum Redundancy and Maximum Relevance Feature Selection Algorithm” in collaboration with **Mrs. A. Ramana Lakshmi** International Journal for Research in Engineering Application and Management in July-2018.
  7. **J Anusha** has published a paper entitled “Advanced Audit Based Misbehavior Detection(AAMD) In Ad-Hoc Networks” in collaboration with **Mr. K Venkatesh, Mr. V Rajesh, Mr. B Vishnu Vardhan** in International Journal Of Scientific Research And Reviews in Sep-2018.
  8. **K Krupa** has published a paper entitled “An Advanced Approach For Detecting The Tumors In Brain” in collaboration with **Mr. S Phani Praveen, Ms. D Swapna**” in International Journal Of Research In Electronics And Computer Engineering in Sep-2018.
  9. **M Manjula** has published a paper entitled, “Importance of Compression Technique in Matrix and Graph Computations on Map Reduce Framework”, in collaboration with **Ms. J Rama Devi**, in International Journal Of Computational Engineering Research in July-2018.
  10. **P Praneeth** has published a paper entitled “Feature Extraction Using KNN and Classification Using FastKNN” in collaboration with **Ms. A Ramana Lakshmi, Ms. G Lalitha Kumari, Mr. M Ramgopal** in International Journal For Research In Engineering Application And Management in June-2018.
  11. **Pinniboyina Kumar** has published a paper entitled “Ensemble Approach For The Understanding Longest And Shortest Text “ in collaboration with **Mrs. M Sailaja, Mr. K Vijay Kumar**, International Journal Of Research And Analytical Reviews in August-2018.
  12. **S Phani Krishna** has published a paper entitled “Extracting Meaningful Patterns and Sentiment Analysis in the Context of Social Networking Sites” in collaboration with **Dr. S Madhavi, Mr. K Syama Sundara Rao** in International Journal of Computer Engineering And Applications in June-2018.
  13. **V Mounika** has published a paper entitled “A Secure File Sharing In Individual Groups”, in collaboration with **Dr. A. Sudhir Babu and Ms. D. Sree Lakshmi** in Journal Of Emerging Technologies And Innovative Research in July-2018.

## Internships

1. **29 students** were undergoing internship at **Innogeeks Technologies**, Vijayawada, from 19<sup>th</sup> November 2018.
2. **16 students** were under internship at **Indian Servers**, Vijayawada, from 26<sup>th</sup> November 2018.
3. **J. Sri Harsha, V. Hari Gopal, K. Harshitha, A. Sai Chandana Priya** has completed their 8 weeks Internship on “OpenCV & Python based Image Processing Portal & Python Based Frame work for WOCLO” at **WOIR Software India Pvt. Ltd**
4. **A. Anuhya** has completed her internship on “ezFlow” at **EP Soft Solutions Pvt. Ltd.** Under the Guidance of D. Srinivas from 2-11-2018 to 21-12-2018.
5. **M. Yogitha Iswarya** has completed her Internship on “Machine Learning” at **PANTECH ProEd Solutions Pvt. Ltd** from 7-12-2018 to 28-12-2018.

## Students' Participation

1. **28 students** of III year CSE Department has participated in 3-Day Workshop on Progressive Webapps organized by APSSDC from 05-07-2018 to 07-07-2018.
2. **A. Sai Chandana Priya and A. Anuhya** has participated in Innovative hands on training one Day Workshop on “Andriod App Development” organized by Pantech ProEd Pvt.Ltd., Vijayawada on 07-07-2018.
3. **15 students** has participated in 2-Day student Training Program on “Hands-on Robotic Applications” in collaboration with Sak robotix lab Pvt. Ltd. from 19-07-2018 to 20-07-2018.
4. **A Sree Lekha , A Tejasri, J Rose mary, Ch Likhitha** got selected for final round for "Design GPS applications based on NAVIC" in **Integrated Technology (InTech) Olympiad 2019.**
5. **D Likhitha, A Sai Chanadana Priya** got selected for final round for " E-Commerce website" in **Integrated Technology (InTech) Olympiad 2019.**
6. **K. Varun Simha, Ch. Vivek, K. Prajwal, M. Deepika, S.Leeharika** has attended a Two workshop on “ETHICAL HACKING” organized by IIT, Hyderabad from 08-09-18 to 09-09-2018.
7. **J. Narendra** of III year has got I prize in Code Race organized by department of CSE on Engineer’s Day i.e., on 15-09-2018.
8. **K. Viswanadh Varma** of III year has got II prize in Code Race organized by department of CSE on Engineer’s Day i.e., on 15-09-18.
9. **N. Rahul** of II year has got III prize in Code Race organized by department of CSE on Engineer’s Day i.e., on 15-09-2018.

10. **N. Ajay , K. Akshitha** has got I prize in PPT organized by department of CSE on Engineer's Day i.e., on 15-09-18.
11. **T. Sai Hanumantha Rao** has got II prize in PPT organized by department of CSE on Engineer's Day i.e., on 15-09-2018.
12. **J. Narendra, Koushika** has got III prize in PPT organized by department of CSE on Engineer's Day i.e., on 15-09-18.
13. **B. Karthik, A. Sai Lokesh, CH. Vivek** of II year has got I prize in Technical Quiz organized by department of CSE on Engineer's Day i.e., on 14-09-2018.
14. **Sk. Shaheena Parvin, R. Harika, T. Alekhya** of III year has got II prize in Technical Quiz organized by department of CSE on Engineer's Day i.e., on 14-09-2018.
15. **K. Venkat, K. Adithya, G. Tarun Gopal, B. Avinash** of II year has got I prize in Model Expo organized by PVPSIT on Engineer's Day i.e., on 15-09-2018.
16. **S. Leeharika, S. Swetha, M. Aruna, R. Lokeswari, S.Pranathi** of II year has got II prize in Model Expo organized by PVPSIT on Engineer's Day i.e., on 15-09-2018.
17. **22 students** of CSE has participated in different events organized by NIT Warangal from 27-09-2018 to 30-09-2018.
18. **V. Hima Varshini, D. Yeswanth Reddy, V. Dhanush, Govardhan, Sunil** of III year were selected as volunteers for "Amaravathi Mini Makers Fair" conducted by Make :magazine, AP Innovation Society, APSCHE and IB Hubs at Vijayawada on 29-07-2018.
19. **B. Avinash and K. Karan Paul** of II year and **R. Harish** of IV Year has participated in Volley ball at SAMKALP-2018 organised by KHIT, Guntur on 11-09-2018.
20. **Md. Muneer Basha and R G S S. Sunil Kumar** has participated in Krishna District Badminton Championship at DRMC Indoor Stadium, Vijayawada from 06-07-2018 to 07-07-2018.
21. **5 students** have participated in "SPARDHA" event at VVIT, Namburu from 20-07-2018 to 21-07-2018.
22. **5 students** have participated in "Swachh Bharat" in Sanath Nagar and Krishna Nagar as part of NSS on 28-07-2018.
23. **5 NCC CADETS** has participated in the program "SWACHHATA HI SEVA" at PVPSIT on 18-09-2018.
24. **36 students** have participated in "Interaction Session" with Adventurous Mount Everest Trekking team at VR Siddhartha Engg. College on 26-07-2018.
25. **V. Hema Chowdary and K. Nitish of II year and K. Keerthi, Ch. Anitha and K. V. R. Koushika** of III Year was selected as NCC Cadets and they participated in the Independence Day Parade organized at PVPSIT on 15-08-2018.

26. **9 students** has participated in the Promotion of use of Clay Ganesh Idols for environmental protection by distributing 300 idols on 12-09-2018.
27. **B. Samyuktha, CH. Maneesha, G. Mounica, P. Bhanu Prakash, Y. Govardhan** has participated in One Day workshop on “First Aid For All” at Pinnamaneni Siddhartha Institute of Medical Sciences & Research Foundation on 29<sup>th</sup> November 2018.
28. **K. Syam Saran, K. Vijaya Lakshmi, Ch. Anitha** has participated in JNTUK Yoga Selections from 15<sup>th</sup> – 16<sup>th</sup> November 2018.
29. **B. Samyuktha, CH. Maneesha, G. Mounica, P. Bhanu Prakash, Y. Govardhan** has participated in One Day workshop on “First Aid for All” at Pinnamaneni Siddhartha Institute of Medical Sciences & Research Foundation on 29<sup>th</sup> November 2018.
30. **K. Syam Saran, K. Vijaya Lakshmi, Ch. Anitha** has participated in JNTUK Yoga Selections from 15<sup>th</sup> – 16<sup>th</sup> November 2018.
31. **K. Indu** acted as English Teaching Volunteer at Mandal Parishad Primary School-LPeta in accordance with the instructions given by District Educational Officer from 1-11-2018 to 20-11-2018.
32. **K. Tejaswini** has secured II prize in the event “Dazzle C” in “TECHSPARKS 2K18” organized by the Dept. of CS, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 14-12-2018.
33. **CH. L. G. Bharath Kumar** has secured I prize in the event “Dazzle C” in “TECHSPARKS 2K18” organized by the Dept. of CS, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 14-12-2018.
34. **K. Prajval** has secured I prize in the event “Code Hunt” in “TECHSPARKS 2K18” organized by the Dept. of CS, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 14-12-2018.
35. **D. Ratnam** has secured III prize in the event “Code Hunt” in “TECHSPARKS 2K18” organized by the Dept. of CS, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 14-12-2018.
36. **28 students** have participated in various events in “TECHSPARKS 2K18” organized by the Dept. of CS, Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada on 14-12-2018.
37. **57 students** have participated in the workshop “Introduction to Python Programming” organized by Dept. of CSE, PVPSIT on 21-12-2018.
38. **G. Bharghavi** has participated in the event “Technical Quiz” at Dhanush 2K18 organized by Dhanekula Institute of Engg. And Technology, Ganguru from 14-12-2018 to 15-12-2018.
39. **55 students** has participated in Three Day workshop on “Machine Learning and its Applications” organized by the Dept. of CSE, PVPSIT from 27-12-2018 to 29-12-2018.

40. **K. Nitish, N. Naga Sai Akhil, K. Keerthi, KVR Koushika, V. Hema** of CSE has attended the Seminar on “Save Our Culture” by Swatantra Bharathi Ramesh at PVPSIT on 12-12-2018.
41. **K. David Vineel Raj and Hima Varshini** has presented a cultural programme on the eve of “Alumni Meet” on 22-12-2018 at PVPSIT.’
42. **P. Swetha Reddy** of CSE has participated in the event “Medha” in LAKSHYA-2K18 organized by LBRCE, Mylavaram on 27-12-2018.
43. **P. Swetha Reddy and N. Bharathi Ratna** of CSE has participated in the event “PPT” in LAKSHYA-2K18 organized by LBRCE, Mylavaram on 27-12-2018.
44. **K. David Vineel Raj and Hima Varshini** has participated in the “Youth Fest” organized by Nagarjuna University from 13-12-2018 to 15-12-2018.
45. **D.Yaswanth Reddy** has participated in JNTUK Foot Ball Selection trials-2018 in “Vignan Fete-2018” at Vignan University from 6-12-2018 to 7-12-2018.
46. **K. Karan Paul** has participated in JNTUK Basket Ball Selection trials-2018 in “Vignan Fete- 2018” at Vignan University from 6-12-2018 to 7-12-2018.
47. **N. Venkatesh** has participated in JNTUK Athletics Selection trials-2018 in “Vignan Fete- 2018” at Vignan University from 6-12-2018 to 7-12-2018.
48. **K. Keerthi, K. Nitish, V. Hema** has participated in “HUMAN RIGHTS Day RALLY” at VRSEC, Vijayawada on 10-12-2018.



### Adaptive Security

#### What is Adaptive Security?

Adaptive Security is an approach to cyber security that analyzes behaviors and events to protect against and *adapt* to threats before they happen. With an Adaptive Security Architecture, an organization can continuously assess risk and automatically provide proportional enforcement that can be dialed up or down.

Organizations must use more advanced security platforms that are able to adapt to the latest threats and use dynamic protect and response mechanisms.

#### Traditional Security versus Adaptive Security

- Traditional security services are no longer enough for today's modern business. In an agile business environment that is increasingly exposed to high-impact, sophisticated threats on a daily basis, responding to incidents after they have happened can result in lost revenue and damaged reputations.
- Adaptive security provides real-time **networks security** monitoring that scrutinizes the network for anomalies, malicious traffic and vulnerabilities. If a threat is detected, the platform automatically implements security measures that counter the threat in a number of ways. This includes the following methods:

**Preventative:** Preventative capabilities allow enterprises to create products, processes, and policies that counter-attack any cyber-attack.

**Detective:** The detective layer of adaptive security identifies the attacks that are not caught by the preventative layer. The aim is to reduce the time taken for threats to be detected and stopping potential risks from becoming actual risks.

**Retrospective:** This layer digs even deeper into the detail, looking for the threats that were not detected by the detective layer. During retrospective analysis, forensic information is generated that can be used to avoid future incidents.

**Predictive:** And finally, the predictive layer provides IT teams with alerts about external events. By monitoring hacker activities, this layer also anticipates new types of attack and provides information that can be used to further enhance the detective and preventative layers.

#### The Benefits of Adaptive Security

Adaptive security offers many benefits over traditional security platforms. Some of the most important benefits:

- **Monitoring and response in real-time** - Thanks to the real-time evaluation of events, users, systems and network traffic, immediate, dynamic and autonomous resolutions are possible.
- **Prioritization and filtering** - Adaptive security allows IT teams to apply advanced analytics and machine learning processes that can detect security breaches that would not be obvious by monitoring the system alone.

- **Reduce the attack surface** - Adaptive security can shrink the size of the attack surface and limit the amount of damage a threat can cause.

**Reduce resolution times** - Security threats are detected and dealt with swiftly by a combination of manual and automated processes.

#### Integrating an Adaptive Security Architecture

It can adapt to the needs of your business and evolve to ensure you have the policies and procedures in place to protect you from the existing threat landscape.

By adopting adaptive security architecture, your organization can get a better understanding of strengths and weaknesses across the environment and access security requirements with greater accuracy.

**Dynamic Data Protection (DDP) from Force point** is one of the easiest and most effective ways to move towards adaptive security architecture. Dynamic Data Protection surfaces anomalies, and proactively adjusts individualized **data security** controls in near real-time to protect your data.

--By T.Manoj