

NEWS LETTER

Department of Computer Science & Engineering



A Half- Yearly Newsletter

TECH TIMES

January 2016

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

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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.

The department has 36 qualified teaching staff with 3 PhDs and 33 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 200 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, CISCO: CCNA certification and R-Programming Certification through APSSDC-NASSCOM 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 Orgnaized

1. The ACM Student Chapter Office Bearers, Department of CSE organized Workshop on “HTML5”on 05-09-2015
Co- Ordinator: N.V. Ramana Gupta.
2. The Department of CSE organized A Guest Lecture on “INDUSTRY TRENDS IN EMBEDDED SYSTEMS AND NETWORK COMMUNICATIONS” by Mr. M.Chennakesava Reddy, Managing Director, Episteme Soft Pvt Ltd, Hyderabad . as resource person on 03-10-2015.



3. The Department of CSE organized A Guest Lecture on “A Guest Lecture on “Internet of Things”by Mr.SunilKumar, Infosys Labs, Bangalore.as resource person on 23-12-2015.
4. Department of CSE conducted a Faculty Development Program on “C-Programming & Data Structures “ by Mr. Prabhunadh, Technical Trainer, Global Edge, Bangalore on 10th September 2015.

Faculty Acheivements

Dr.A.Sudhir Babu, Professor got selected as a Research Guide from JNTU Kakinada to guide Ph.D enrolled Students.

Faculty Publications

1. Dr.M.V.Rama Krishna, Mr. N.V. Ramana Gupta published a paper “A Road Map for SDN- Open Flow Networks” in IJMCTR vol.3, issue-6, June-15.
2. Dr. M.V. Rama Krishna published a paper “Evaluating the Trustworthiness of nodes in AODV by Assigning Reliable Testimonials using NS-2” in IJMCTR, Volume.3 issue.10 issn/isbn 2321-0850 ,Oct-2015
3. Dr. S. Madhavi published a paper “Quantum Boson Data Aggregation Scheduling in UOSN International Journal of Control and Automation Vol. 8, No. 4 (2015), pp. 221-228 <http://dx.doi.org/10.14257/ijca.2015.8.4.22>
4. Dr. S. Madhavi published a paper “Generating Optimized Association Rule for Big Data Using GA and MLMS”in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept.-2015.
5. Dr. A. Sudhir Babu published a paper “Design Development of Student Attendance Management System Using Intel Atom Processor”in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept.-2015.
6. Mr. N. V. Ramana Gupta, Dr. M.V. Rama Krishna published a paper “A Survey on Performance Ascertainment of MANET Routing Protocols Using NS-2”in IJETR, Volume.3 issue.9 issn/isbn 2321-0869, Sept.-2015.
7. Mr. B.Srinivasa Rao published a paper “Correlation-Based Analysis and Hybrid Neural Network Training Algorithm for Heart Disease Diagnosis”.in International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, issue- 8 May 2015 pp. 20327-20342 © Research India Publications.
8. Mrs. A. Ramana Lakshmi published a paper “Performance Evaluation of Hadoop Distributed File System”in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept.-2015.
9. Mr. B. Narasimha Swamy published a paper “Wireless Atmosphere Data Logger for a Sensor Network”in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept.-2015

10. Mr. J. Ramadevi published a paper “Secured Medical Data Publication by Using Earth Mover Distance(EMD)”in IJRCSE, Volume.5 issue.5 issn/isbn 2321-5585, Oct.-2015.
11. Mrs. G. Lalitha Kumari published a paper “Efficient Cloud ftp for Mitigating From Local Storage to Public Cloud” in IJAEM, Volume.4 issue.2 issn/isbn 2320-3439 , Sept.-2015.
12. Mr. K. Syama Sundara Rao published a paper “Generating Frequent Item Sets Using Apache Hadoop Map Reduce and Mahout”in IJCSE, Volume.3 issue.10 issn/isbn 2347-2693, Oct.-2015.
13. Mrs. Y. Surekha published a paper “Highly Effective Security Features in OSN Based on Genetic Programming Approach”in IJASEM, Volume.4 issue.2 issn/isbn 2320-3439, Sept.-2015.
14. Mrs. V. Siva Parvathi published a paper “Generating Positive and Negative Tweets Using Opinion Mining in Social Networking Sites” IJRCSE, Volume.5 issue.5 issn/isbn 2321-5585, Oct.-2015.
15. Mr. Ch. Chandra Mohan published a paper “Gender classification via lips Based on PCA and Gabor Wavelet Using Simulink in Matlab”in IJETR, Volume.3 issue.10 issn/isbn 2321-0869, Oct.-2015.
16. Mr. V. Rajesh published a paper “An Advanced Approach for Data DeDuplication” in IJRCSE, Volume.5 issue.4 issn/isbn 2321-5585, Aug.-2015.
17. Mr. M. Sailaja published a paper “Web Accelerator for Wireless Networks using BIT Reduction Algorithm”in IJRCSE, Volume.5 issue.5 issn/isbn 2321-5585, Oct.-2015.
18. Mr. A. Yuva Krishna published a paper “BI-Secting K-Means Clustering of Documents in Forensic Analysis”in IJRCSE, Volume.5 issue.4 issn/isbn 2321-5585, Aug.-2015.
19. Mr. D. Lokesh Sai Kumar published a paper “Analysis of Noise Models on Digital Images”IJRCSE, Volume.5 issue.4 issn/isbn 2321-5585, Aug.-2015.

20. Mr. M.V.S.N Maheswar published a paper “Re-Ranking of Images Using Semantic Signatures with Queries” in IJCSE, Volume.3 issue.10 issn/isbn 2347-2693, Oct.-2015.
21. Mr. I.M.V. Krishna published a paper “A Secure and Effective Content Transmission in Content Based Networks Using Bloom Cast” in IJCSE, Volume.3 issue.10 issn/isbn 2347-2693, Oct.-2015.
22. Mrs. V. Sowjanya published a paper “Pattern Discovery Taxonomy for Effective Text Mining”.in IJRCSE, Volume.5 issue.5 issn/isbn 2321-5585, Oct.-2015.
23. Mr. K. Venkatesh published a paper “Efficient Information Retrieval of Keyword Search over Relational Databases Using Top-K” in IJAEM, Volume.4 issue.2 issn/isbn 2320-3439, Sept. -2015.
24. Mrs. K.Naga Divya, Mrs. D.Sree Lakshmi, published a paper “A Fingerprint and RFID Tag Based Authentication System for Driving” in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept. -2015.
25. Mrs. A. Madhuri published a paper “Query Optimization of Big Data Using Hive” in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept. -2015.
26. Mr. S. Phani Praveen published a paper “An approach to provide Secure Storage using Self Destructing Erasure Codes” in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept. -2015.
27. Mr. P. Anil Kumar published a paper “Parallel Aggregation on Shared Clusters” in IJCSE, Volume.3 issue.9 issn/isbn 2347-2693, Sept. -2015.
28. Mrs. A.Divya published a paper “Multi –Attribute group decision Making Model on XML data by using Fuzzy” in IJRCSE, Volume.5 issue.5 issn/isbn 2321-5585, Sept-Oct -2015.
29. Mrs. D Sree Lakshmi published a paper “ Secured Profile Matching in Social Networks using Machine Learning” in IJRCSE, Volume 5, Issue 5, issn/isbn 2321-5585, Sep-Oct -2015.

30. Mrs. D Swapna published a paper “An Information security scheme based on steganography using Multi-key Generation” in IJRCSE, Volume 5, Issue -5, issn/isbn 2321-5585, Sep-Oct -2015.
31. Mrs. B Lakshmi Ramani published a paper “A Study of Notations and Illustrations of Axiomatic Fuzzy Set Theory” in IJCA, Volume 134, Issue 11, January 2016 pp-7-12 with ISSN 0975-8887.
32. Dr.S.Madhavi published a paper in International conference, “ The Challenge and Opportunity of ICT in Rural Areas: Indonesia Cases”, entitled Quantum Boson Data Aggregation Scheduling in UOSN” in June 27th 2015 in Thailand.
33. Dr.S.Madhavi published a paper in International conference International conference “ Power Efficient UBIQUITOUS Senser Networks on 15th, 16th December 2015 on Research advancements in engineering Science and information technology B.V.Raju Institute of Technology .

Workshops Attended by Faculty

1. Ms. J.Rama Devi attended 2-week workshop on FDP - DBMS Program and Oracle certificate program. conducted at NIT, Warangal from 17-08-15 to 27-08-2015.
2. Mr. B.SrinivasaRao, Mr.I.M.V Krishna, Mr.N.V.RmanaGuptha, Mrs.J.Rama Devi, Mrs.Ch.Ratna Jyothi, Mrs.V.Siva Parvati, Mrs. G Lalitha Kumari, Mrs.V. Sowjanya, Mrs. M. Sailaja, Mrs. Y.Surekha attended 3 Day workshop on “Hands on Evolutionary algorithms using MAT Lab” conducted at PVPSIT ,Kanuru vijayawada from 10-09-2015 to 12-09-2015
3. Mr.S.Phani praveen attended 2-day national workshop on “ internet of things”conducted at GEC, Gudlavalleru from 21-09-2015 to 22-09-2015.
4. Dr. S. Sudhir babu, Ms.T.Sri Lakshmi, Ms.K.N.Divya, Ms. D.Swapna, Ms. A.Madhuri, Mr.S.Phani Praveen, Ms. D. Sree Lakshmi attended 1 Day workshop on “Big data and Hadoop” conducted at Velagapudi Ramakrishna Siddhartha Engineering College,kanuru,vja on 26-9-2015.
5. Mr.N.V.Ramana Gupta, Mr. B.N.Swamy, Mr. K.Shyam Sundar Rao, Mr. I.M.V.Krishna, Mr. S.Phani Praveen, Ms. G.Lalitha Kumari, Ms. V.Sowjanya, Ms. M.Sailaja attended 1 Day workshop on “Exploring Cloud

Computing Platform as a Service”. conducted at Potti Sriramulu CMR College of Engineering on 10.10.2015.

6. Mr. K.Shyam Sundar Rao, Mr. B. Vishnu Vardhan, Mr. V. Rajesh attended FDP on “ JAVA and PHP “conducted at VRSEC ,Kanuru, vja from 14-10-2015 to 5-12-2015.
7. Dr. S. Madhavi, Mr. B.SrinivasaRao, Mr.I.M.V Krishna, Ms.T.Sri Lakshmi, Ms.K.N.Divya, Ms. A.Madhuri, Mrs.V.Siva Parvati, Mrs. G Lalitha Kumari, Mrs.V. Sowjanya, Mrs. M. Sailaja attended FDP on “ Machine Learning” at VRSEC ,Kanuru, vja from 16-11-2015 to 27-11-2015.
8. Mr.N.V.Ramana Gupta, Mr. S.Phani Praveen, Mr. K.Venkatesh, Mr. V. Rajesh attended Workshop on “ NS3 Tool for design , testing and implementation”at MIC college of technology from 27-11-2015 to 28-11-2015.
9. Ms.T.Sri Lakshmi, Ms.D.Sri Lakshmi, Ms.K.N.Divya, Ms. A.Madhuri, Mr. A.Divya, Mr.B.L.Ramani,Mr.D.Swapna, Mr.J.Rama Devi, Mr. Ch.Ratna Jyothi, Mrs. G Lalitha Kumari, Mrs.V. Sowjanya, Mrs. M. Sailaja, Mrs.V.Siva Parvati, Ms. Y. Surekha attended One day FDP on “ Information Security- Elliptic Curve And Diffie Hellman Approach” at PVPSIT, Kanuru on 19-12-2015.
10. Dr. S. Madhavi attended One day workshop on “ Quality Assessment- NAAC” at ANU- Guntur on 12-12-2015.

Student Acheivements

1. Ms. Geetha Sree Leela (2014 passed out) got “Computer Society Corporation Gold Medal” and stood as topper of All JNTUK Affiliated Institutes in CSE Branch with 85.84% on 12th November 2015.
2. R Nagarjuna, P Sai Krishna of Final Year CSE Students selected in “**ACM ICPC On Site Regional – The Olympics of Programming**” on 16.12.2014 at **Amritha Puri University, Amritha Puri, Kollam, Kerala**. These students are stood in All India 12th Position in CodeVita Contest conducted by TCS.

Industrial tours

1. Department of CSE organized a Educational/ Industrial Tour for IV Year CSE Students (40) to Hindustan Aeronautics Limited, Visvesvaraya Industrial museum, Bangalore, Mysore and Ooty during 26th -31st Dec'2015.
Company Visited : M-POWER SOFTWARE SERVICES, Bangalore.
Accompanying Faculty : 1.D Sree Lakshmi 2. D Lokesh Sai Kumar



Turing Award Winner For 2015: WHITFIELD DIFFIE

For Invention of Public-Key Cryptography and Digital Signatures Revolutionized Computer Security and Made Internet Commerce Possible



Whitfield Diffie is a former Vice President and Chief Security Officer of Sun Microsystems, where he became a Sun Fellow. As Chief Security Officer, Diffie was the chief exponent of Sun's security vision and responsible for developing Sun's strategy to achieve that vision. Diffie is a graduate of the Massachusetts Institute of Technology (MIT).

Diffie received the 1996 ACM Paris Kanellakis Theory and Practice Award (with Leonard Adleman, Martin Hellman, Ralph Merkle, Ronald Rivest and Adi Shamir), and received the 2010 IEEE Richard W. Hamming Medal (with Martin Hellman and Ralph Merkle). He is a Marconi Fellow, a Fellow of the Computer History Museum, and received an honorary doctorate from the Swiss Federal Institute of Technology.

Diffie has authored more than 30 technical papers, and has testified several times to the U.S. Senate and House of Representatives on the public policy aspects of cryptography.