NEWS LETTER

Department of Computer Science & Engineering

A Half- Yearly Newsletter

TECH TIMES

January 2014

PRASAD V. POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY

Contents

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 of18 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 year2012 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. A Two-Day National Seminar on "CLOUD COMPUTING" by Dr. V.C.V.Rao, Dr.D.V.L.N. Somayajulu, Mr.Nitin singh Chauhan, Dr.K.Ram chand on 25,26-11-13.

2. Two Day workshop on HTML 5" by K.Ajay Krishna Teja, M.Sri Ram, Sameera, S.V.Naga Soujanya on 20,21-9-13.

Faculty Acheivements

1. Ch.Ratna Jyothi, Asst.prof has registered Ph.D., in Krishna University.
2. B.Narasimha Swamy, Sr.Asst.prof has registered Ph.D., in Andhra University.
3. A.Ramana Lakshmi, Assoc.prof has registered Ph.D., in Andhra University.
4. V.Siva Parvathi, Asst.prof has registered Ph.D., in Andhra University.
5. G.Lalitha Kumari, Asst.prof has registered Ph.D., in Acharya Nagarjuna University.

Faculty Publications :

1. M.V.Ramakrishna published a paper Fusion based multimodal authentication in biometrics using context-sensitive exponent associative memory model at Conference proceeding in Springer LNICST third international conference on computer science & IT. 'CCSIT- August 2013.

2. Dr.T.V.RAO published a paper Benchmark algorithms and models of frequent item and mining over data streams in GJCST in 2013.

3. Dr.T.V.RAO published a paper TFIM:Tree Based incremental frequent itemset in IJCT in Aug 2013.

4. Dr. S. Madhavi published a paper Dynamic distributed power adaption for data aggregation in ubiquitious sensor networks in APJMSC in Dec-2013.

5. K. VENKATESH published a paper Optimized Caching Schemes for consistency Maintenance in Hybrid P2P Networks in IJCST in Dec-2013.

6. V. RAJESH published a paper Considerable Amount of Changes Needed for AP State Government Employee Recruitment Policies through Commissions Website in ELSEVIER in OCT, 2013.

7. CH. CHANDRA MOHAN published a paper Color Interest Point for Dynamic Stream Object Categorization in IJDCST in OCT,2013.

8. Y. SUREKHA, G. LALITA KUMARI, V. SOWJANYA published a paper Adaptive Monitoring Solution Satisfy User Profiles for Targeted Online Data Delivery in IJDCST in OCT,2013.

9. P. ANIL KUMAR published a paper Network Cluster Applications over Forwarding Nodes Using Multiple Message Authentication Codes in IJDCST in OCT,2013.

10. K. SYAMA SUNDARA RAO published a paper Semantic-Based Web Mining Under the Framework of Agent in IJIET in DEC,2013.

11. B.N.SWAMY published a paper An efficient Prediction-based Lossless Compression Scheme for bayer CFA in IJIET in DEC,2013.

12. G.LALITA KUMARI, Y.SUREKHA published a paper Spatial Data with Ranking by Quality Preferences Using HBA* Tuning Shortest Path Quality in IRD INDIA in NOV,2013.

13. CH. RATNA JYOTHI published a paper Human Visual System Model for Data Spatial temporal adaption of Data Hiding methods in IJDCST in NOV,2013.

14. A.RAMANA LAKSHMI published a paper Security Considerations in Manets using Cryptography primitives in IJDCST in NOV,2013.

15. DR.S.MADHAVI published a paper Segment Generation Approach for Firewall Policy Anomaly Resolution in IJCSIT in NOV,2013.

16. M.V.S.N.MAHESWAR published a paper Enhance Authentication in Open ID Against Phishing Attacks in IJIES in DEC,2013.

17. J.RAMADEVI published a paper Supporting Hierarchical Queries using Organized Search Histories in IJDCST in NOV,2013.

18. T.SRI LAKSHMI published a paper Access Control for Online Social Network With Mailing System in IJESR in OCT,2013.

19. B.VISHNU VARDHAN published a paper An Efficient Data Clustering Algorithm over IRIS Dataset in IJARCSSE in OCT,2013.

20. A.RAMANA LAKSHMI published a paper Dynamic State Testing of Web 2.0 Applications in IJDCST in NOV,2013.

21. K. VIJAYAKUMAR published a paper Classification of ECG Heart beats using Dynamic Time Warping in IJDCST in NOV,2013.

22. K.N.DIVYA published a paper CBIR and SBIR System Based on the Free Hand Shake Sketch in IJDCST in NOV,2013.

23. S.PHANIPRAVEEN, U. TULASI published a paper Natural Language Processing and Machine Learning Techniques for Identifying Disease-Treatment Relations in IJDCST in NOV,2013.

24. V.SOWJANYA, B.S. RAO, V.SIVA PARVATHI published a paper Perspective of Homogenous Motion Reincarnation Based on Artificial Intelligence in IJDCST in NOV,2013.

25. N.V.RAMANA GUPTA published a paper Sequential and Trajectory Patterns Hole-Up Using Polynomial Sanitization Algorithm in IJDCST in NOV,2013.

26. A.SUDHEERBABU published a paper A Novel Architecture For Mitigating The Manet Routing Attacks in IJARCCE in NOV,2013.

27. B.S. RAO, G.LALITAKUMARI published a paper Software Reliability Prediction Using Neural Network With Encoded Input in IJCST in DEC,2013.

28. B. LAKSHMI RAMANI published a paper Decision Trees to Distribution-Based Approach in IJCST in DEC,2013.

29. A.MADHURI published a paper Tag Classification in Social Networks in in IJCST in DEC,2013.

30. V.SIVAPARVATHI, B.S.RAO, M.SAILAJA published a paper Medical Image Retrieval System Using an Improved Multilayer Perception in in IJCST in DEC,2013.

31. U. TULASI, S.PHANIPRAVEEN published a paper Dynamic Clustering Analysis Over 16Web Logs in IJDCST in OCT,2013.

32. IMV. KRISHNA published a paper Fuzzy Driven Range Queries over Extended Boolean Retrievals in IJDCST in NOV 2013.

33. A.DIVYA published a paper Delaunay Overlays For P2P Streaming Services in CiiT(IJSE) in AUG 2013.

34. A.Yuvakrishna published a paper Secure Comprehensive File Distribution Schemes For Network Coding Driven P2P Systems in CiiT (IJSE) in AUG 2013.

35. A.Sudheer Babu published a paper An Elicitation Technique for Handling Data Malicious Activity in IJDCST in OCT, 2013.

36. M. Sailaja, V. Siva Parvathi published a paper State of Art Algorithm for High Dimensional Data using Slicing in IJDCST in OCT, 2013.

37. D. Swapna published a paper Certificate Revocation Using Threshold Based Approach In Manets in IJDCSTin Nov, 2013.

38. S. Phanipraveen , U.Tulasi, B. Vishnu, A. YuvaKrishna published a paper A New Approach for Optimizing Resource Provisioning In Cloud Computing Using OCRP Algorithm in IJDCST in Dec, 2013.

39. M.V. Ramakrishn published a paper Feature Extraction Using Sparse SVD for Biometric Fusion in Multimodal Authentication in IJNSA in July,2013.

Workshops Attended by Faculty

1. A.Ramana Lakshmi, Dr. S. Madhavi, K.Syamasudara Rao, A.Satya Kalyan, U.Tulasi, D.Sri Lakshmi, B.Lakshmi Ramani, CH.Ratna Jyothi, K.Vijay kumar, K.Venu Gopal, V.Rajesh, A.Yuva krishna attended Work shop on"FICE-Foudation for Innovative and Collaborative Education" at PVPSIT,Kanuru Vijayawada from 26-06-2013 to 28-06-2013.

2. CH.Ratna Jyothi attended Work shop on "Digital Image Processing and Pattern Recognition" at VRSEC,Kanuru Vijayawada from 4-7-2013 to 6-7-2013.

3. A.Madhavi, A.Yuva Krishna, S.Phani Praveen, D.Lokesh Sai Kumar, B.Rajesh, A.Divya attended Quality Improment program on" Instructional Design and Delivery Systems" at PVPSIT,Kanuru Vijayawada from 8-07-2013 to12-07-2013.

4. A.Divya, D.Sri Lakshmi, B.Lakshmi Ramani, A.Yuva Krishna, Y.Surekha, V.Rajesh, K.Venu Gopal, D.Lokesh Sai Kumar, K.Syamasudara Rao, K.Venkatesh, B.Visshnu Vardhan, S.Madhavi, B.Srinivasa Rao, V.Siva Parvati, U.Tulasi, Ch.Chandra Mohan, S.Phani Praveen, N.V. Ramana Gupta, M.V.S.N. Maheswar, J.Rama Devi, I.M.V Krishna, G Lalitha Kumari, K.Vijaya Kumar attended Faculty Development Program on"Best Proctices in SQE & 21st Century Teaching, Learning System in IT Education". At PVPSIT, Kanuru Vijayawada on 20-07-2013.

5. U.Tulasi, D.Swapna, S.Phani Praveen attended AICTE Sponsered Seminor on "Service Oriented Architecture & Web Services" at LBRCE , Mylavaram from 16-08-2013 to 17-08-2013.

6. D.Swapna attended Confernce on"Qualites Assesment in Higher Education at GITAM Institute of Technology from 29-09-2013 to 30-09-2013.

7. V. Rajesh attended International Conference on " Considerable Amount of Changes are Needed, Req. Policies Through Govt. Website " at GRIET, Hydrabad from 29-09-2013 to 30-09-2013.

8. K N Divya, J.Rama Devi, B.Lakshmi Ramani attended Two Day Workshop on " Research Methodology " at GITAM Institute of Technology from 16-11-13 to 17-11-13.

9. All the faculty members attended National Seminar on " Cloud Computing " at PVPSIT, kanuru from 25-11-13 to 26-11-13.

10. CH.Ratna Jyothi attended Twoday MATLAB Work shop on "Soft Computing Techniques for Image Analysis" at VRSEC,Kanuru Vijayawada from 18-12-2013 to 19-12-2013.

11. CH.Ratna Jyothi attended National Seminar on "Mathematic Challenges in Medical Image Processing " at PVPSIT ,Kanuru Vijayawada from 27-12-2013 to 28-12-2013.

Turing Award Winner For 2013: LESLIE LAMPORT

For fundamental contributions to the theory and practice of distributed and concurrent systems, notably the invention of concepts such as causality and logical clocks, safety and liveness, replicated state machines, and sequential consistency.

BIRTH:

7 February 1941 in New York, New York

EDUCATION:

Bronx High School of Science (1957); B.S. (Massachusetts Institute of Technology, Mathematics, 1960); M.S (Brandeis University, Mathematics, 1963); PhD (Brandeis University, Mathematics, 1972).

EXPERIENCE:

Massachusetts Computer Associates, 1970-1977; SRI International, 1977-1985; Digital Equipment Corporation and Compaq, 1985-2001; Microsoft Research, from 2001.

HONORS AND AWARDS:

Dijkstra Prize, for the paper "Time, clocks, and the ordering of events in a distributed system" (2000); Honorary Doctorate, University of Rennes (2003); Honorary Doctorate, Christian AlbrechtsUniversity of Kiel (2003); Honorary Doctorate, École Polytechnique Fédéralede Lausanne (2004); IEEE Emanuel R.Piore Award (2004); Dijkstra Prize, for the paper "Reaching Agreement in the Presence of Faults " (2005); Honorary Doctorate, University of Lugano (2006); Honorary Doctorate, Nancy-Université(2007); IEEE John von Neumann Medal (2008); Member, US National Academy of Sciences (2011); ACM Fellow (2014).