C o n t e n t s

Editorial Message

Dear readers, this newsletter covering the period from April 2015 to June 2015 offers a view of the academic, professional ,research and center for extension activities of the Department.

As part of the Research Group activities, The Embedded Systems and Sensor Networks research group organized a Two day National Conference on "ADVANCEMENTS IN EMBEDDED SYSTEMS AND SENSOR NETWORKS" sponsored by DST during 22nd and 23rd of May 2015 .

Web Technologies Research group conducted a one day workshop on "Developing Business Application using WEB services related Technologies" during 10th April 2015. A Guest Lecture on "NOSQL Databases & Big Data Analytics" was organized during 14th April 2015 .

"Placement Success meet" was held on 11th April 2015 for the 2011-2015 Batch Students for achieving 100% placement.

The editorial team would like to thank all its patrons for their support of the newsletter. We welcome suggestions from all our readers who wish to seek their ideas incorporated in the subsequent issues.
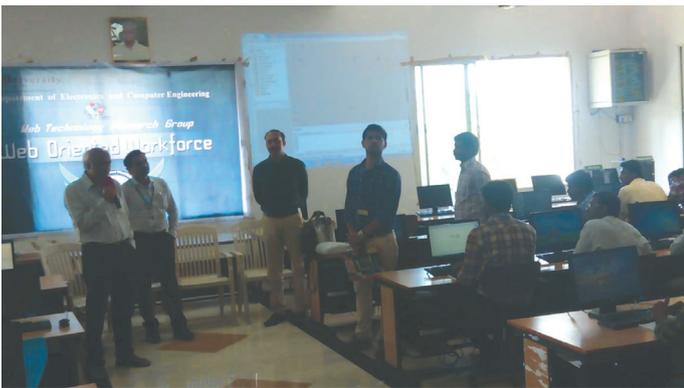
Placement Success Meet:

"Placement Success meet" was held on 11th April 2015 for the 2011-2015 Batch Students for achieving 100% placement. Dr. M. Suman, Head of the Department and Professors of the Department congratulated the students who got placed in various Multinational companies like Wipro, CTS, Infosys, IBM, Igate etc. ❖

Workshop on "Developing Business Application using WEB services related Technologies"

The Department of Electronics and Computer Engineering (ECM), KL University in association with an IT based Company "InetSolve", Hyderabad conducted One Day workshop on the "Development of Business applications using WEB services" related Technologies on 10-04-2015.

Workshop Inaguaration

Industry professionals who have been involved in developing International projects using WEB services have delivered the workshop. Mr. K. Rajeswar Achary, Software Architect, Cognigent Technology Solutions [CTS] was the resource person for the workshop. Dr. JKR Sastry, the Head of WEB Technology Group of KL University has made the intial remarks and Dr. M Suman HOD of the ECM department has commenced the workshop. Total 92 Students from ECM and CSE departments attended the Workshop.

Students participation in the workshop

Dr Sastry stated that ECM departmnet has commenced a new Harizon of making the students to adapt Industry practices after having acquired theory and hands on practice related inputs from their regualr courses taught as a part of their curriculum. The departmnet is planning to commence a new dircetion in placing the students who have industry focussed international expereince. The Principal, College of Engineering, KL University delivered the closing remarks and distributed the participation certificates. ❖

Students participation in the workshop

Newspaper Clippings of the Workshop.

Guest Lecture on
"NOSQL Databases & Big Data Analytics"

The department of ECM has organised a guest lecture on the topic "No SQL Databases and Big Data Analytics" for the students and faculty by Dr. D V L N Somayajulu, Professor and Dean-Academics, NIT, Warangal On 14-04-2015.

Dr. Somayajulu, NIT Warangal
felicitated by the faculty

Dr. Somayajulu stated that future will be No SQL Databases and Big Data Analytics and stressed the importance and demand of Big Data Analytics globally. He addressed the gathering on varieties of databases, schemas and latest initiatives in big data analytics. He elaborately discussed on varieties of databases like graph, multimodal, object, grid, cloud, multidimensional databases.

Students participation in the guest lecture

Dr. M. Suman - HOD-ECM, Smt. T. Anuradha - Alternate Head-ECM, Dr. K. Srinivas Ravi in-charge and Dr. G.Vijay Kumar, Event Coordinator, faculty of ECM and 180 III/IV B.Tech[ECM] students had attended the guest lecture. ❖

National Conference on
Advancements in Embedded Systems and Sensor Networks

The Department of Electronics and Computer Engineering and Embedded Systems & Sensor Networks Research group organized a two day national conference on ADVANCEMENTS IN EMBEDDED SYSTEMS AND SENSOR NETWORKS sponsored by Department of Science and Technology (DST), New Delhi during 22nd and 23rd May 2015. Honorable Chancellor of the University Dr. M.Rama Murthy, Vice chancellor- Dr. L.S.S. Reddy, Pro-Vice chancellor Dr. A.V.S. Prasad, Principal- Dr. Anand Kumar , Dean (R&D)- Dr. K. L. Narayana garu, Dean Student Affairs, Dr. Habibullah Khan, Dean Academic Prof. N. Venkatram , Conference Chairman & HOD-ECM Dr. M. Suman, Convener Dr. K. Raghava Rao and Co-convener Dr. K.Sreenivasa Ravi have inaugurated the conference and wished the participants from the different parts of the country were attended the conference to present their research contributions.

Lightning of the Lamp by the Chief Guest

Release of Conference Proceedings CD

Vice-Chacellor Addressing the Gathering

During the Key note address the resource person Sri. P. Hari Babu, Technical Manager from C-DAC, Bangalore, emphasized on embedded system design life cycle, Wirele ss Sensor Networks and Internet of things. He emphasized on the architecture of IoT devices and network protocols such as RFID, NFC (Near field communications), Bluetooth, Zigbee. Wi-Fi, LoRa and Weightless that are being used in Internet of Thigs, for getting remote access and control of the various intelligent systems.

Sri. Rama Swamy, R&D Head, Efftronics, Vijayawada told that the cost of the microcontrollers are falling and they are going inside everything, making everything intelligent and connected over internet. This throws huge opportunities and challenges to the young engineers. He further told that today's engineers are expected to deliver a good product with reliability in a shortest time at competitive cost, so that an industry ready engineer can be produced. ❖

Glimpses of National Conference

Publications:

1. K. Kiran kumar published a paper entitled "Image Based Retrieval Using Edge Detection Algorithm",in Google Scholar indexed IJMETMR,Volume no 2,issue no 4, April 2015.

2. D.Aruna Kumari published a paper entitled "Vector Quantization for Privacy during Big Data Analysis and for Compression of Big Data", in Google Scholar indexed IJCSMC,Volume no 4,issue no 4 ,April 2015

3. K. Kiran kumar published a paper entitled "Architecture of Hyper-threading on Intel Xenon Processor",IJARECE,Volume no 4,issue no 4,April 2015

4. T.Anuradha published a paper entitled "Securing the Personal Health Records in Cloud Using ABE and Analyzing them using Rule Based Classification in Data Mining",IJMER,Volume no 5,issue no 4,April 2015

5. KVD SAGAR published a paper entitled "BIG data analysis using hadoop", in Google Scholar indexed IJIRAE,Volume no 2,issue no 4,April 2015

6. J K R Sastry published a paper entitled "Generating Test cases for Testing WEB sites through Neural Networks and Input Pairs",in Scopus Indexed IJAER,Volume no 9,issue no 22,April 2015

7. K. Kiran kumar published a paper entitled,"Virtual Switch Using Image Processing", in Scopus Indexed IJAER,Volume no 10,issue no 3,April 2015

8. K.Kiran kumar published a paper entitled,"Security Improvement Using Oracle Database", in Scopus Indexed IJAER,Volume no 10,issue no 2, April 2015

9. JVN Ramesh published a paper entitled "Holographic Data Storage", in Scopus Indexed IJAER,Volume no 10,issue no 7,April 2015

10. M.Kameswara Rao published a paper entitled"Security Enhancement in Image Steganography a MATLAB Approach", in Scopus Indexed MEJSR,Volume no 23,issue no 2,April 2015

11. M.Kameswara Rao published a paper entitled "Graphical password based authentication for mobile devices", in Scopus Indexed IJAER,Volume no 10,issue no 2,April 2015

12. MD.ALI HUSSAIN published a paper entitled"LWE Encryption using LZW Compression", in Scopus Indexed MEJSR,Volume no 23,issue no 2,April 2015

13. MD.ALI HUSSAIN published a paper entitled "Data and Information Storage Security from Advanced Persistent Attack in Cloud Computing",IJAER,Volume no 10,issue no 2,April 2015

14. K. srinivas ravi published a paper entitled"The Android Application for Sending SMS in Regional Languages",IJRET,Volume no 4,issue no 4,April 2015

15. T. Narendra Babu published a paper entitled"Implementation of PUF on FPGA",IJVDCS,Volume no 3,issue no 2,April 2015

16. K. Raghav Rao published a paper entitled "A robust routing protocol for adhoc vehicular networks",IRECOS,Volume no 1,issue no 1,April 2015

17. D. Aruna Kumari published a paper entitled "Privacy Preserving Data mining in healthcare applications", IJACT, Volume no 4, issue no 2, April 2015.

18. M. Suman published a paper entitled "A New Approach for Text summarizer",IJACT,Volume no 4,issue no 4,April 2015

19. D.Aruna Kumari published a paper entitled "Echo chamber effect in Big data", IJCSMC, Volume no 4, Issue No. 4, April 2015.

20. G.VIJAY KUMAR published a paper entitled "A Review on Security and Privacy issues in Big Data", IJEATS,Volume no 1,issue no 1,April 2015

21. Dr.J K R Sastry published a paper entitled, "Optimizing Communication between heterogeneous distributed Embedded Systems using CAN protocol", ARPN Journal of Engineering and Applied Sciences (JEAS),Volume no 1, April 2015.

22. Dr. J K R Sastry published a paper entitled "Building Heterogeneous Distributed Embedded Systems through RS485 Communication Protocol",ARPN Journal of Engineering and Applied Sciences (JEAS),Volume No. 2, April 2015

23. Dr.J K R Sastry published a paper entitled "I2C based Networking for implementing Heterogeneous Microcontroller based Distributed Embedded Systems",Indian Journal of Science and,Volume No. 1, April 2015

24. Dr. J K R Sastry published a paper entitled "On Testing Distributed Embedded Systems through Scaffolding",International Journal of Electronics and computer Engineering – Inder Science,Volume No. 1, April 2015

25. Dr. J K R Sastry published a paper entitled "USB based Networking for implementing Heterogeneous Microcontroller based Distributed Embedded Systems",International Journal of Electronics and computer Engineering – Inder Science,Volume No. 2, April 2015

26. N. V. K. RAMESH published a paper entitled "Analysis of Pathloss Models For 3g Mobile Signals Inurban, Suburban and Rural Environment", IJAER, April 2015.

27. Dr.J K R Sastry published a paper entitled "A Computationally more efficient distance based VaR methodology for real-time market risk measurement",WSEAS Transactions on information science and applications,Volume no 1,issue no ,April 2015

28. Dr.J K R Sastry published a paper entitled "A Data driven approach to calculate optimum collateral amount for vulnerable option",WSEAS Transactions on,Volume No. 2, April 2015.

29. Dr.J K R Sastry published a paper entitled,"Pricing Options Considering Bankruptcy of Underlying Issuer",British Journal of Sciences,Volume No. 1, April 2015.

30. Dr. J K R Sastry published a paper entitled,"Incorporating implied volatility in Pricing Options using Binomial Tree", International Journal of Engineering and Technology, Volume No. 2, April 2015.

31. Abdul Ahad published a paper entitled"DATA MINING USING HACE THEOREM", in Google Scholar indexed IJRAMR,Volume no 2,issue no

5, May 2015

32. N V K Ramesh published a paper entitled "Developing Killer Apps for Industrial Augmented Reality", in Google Scholar indexed GJRE, Volume no 14, issue no 7, May 2015

33. G.VIJAY KUMAR published a paper entitled "A Portable and Secure Healthcare Maintenance System", IJCSIT, Volume no 6, issue no 3, May 2015

34. P S G Aruna Sri published a paper entitled "Improving The Usage Of Encryption And Decryption Algorithms", IJMEIT, Volume no 3, issue no 5, May 2015

35. K. Raghav Rao published a paper entitled, "Implementation of a smart governance using Big data Technologies", IJAR, Volume no 5, issue no , May 2015

36. N V K Ramesh published a paper entitled "A Survey on Human Computer Interfaces", in Google Scholar indexed Journal June 2015

37. K.Raghav Rao published a paper entitled "A survey on clustering techniques to improve energy efficient routing in wireless sensor networks", IJAER, Volume no 10, June 2015

ೞಞೞಞಞೞಞಞೞ

Faculty Achievements

Dr. T.Anuradha received her Ph.D in Computer Science Engineering from Acharya Nagarjuna University, Guntur on 20/04/2015 for her thesis entitled "Performance Evaluation of frequent Item Set Mining on Multi core Processors".

Dr.Md.Ali Hussain was Recognized as reviewer for "Indian Journal of Science & Technology" (Scopus Indexed Journal).

Dr.M.Suman-was Recognized as reviewer for "Biomedical Signal Processing and Control"-Elsivier(Scopus Indexed Journal).

Dr. D. Aruna Kumari received a Young Scientist research grant from DST-SERB worth of Rs35,78,000/-.

Guest Lecture

Dr.Md.Ali Hussain delivered lecture on "wireless Adhoc Networks & Security" on 30th may 2015 in Krishna University.

ೞೞೞೞೞೞೞ

Thank You

ೞೞೞೞೞ   ೞೞೞೞೞ   ೞೞೞೞೞ   ೞೞೞೞೞ   ೞೞೞೞೞ

With Best Complements Form

DEPARTMENT OF
ELECTRONICS & COMPUTER
ENGINEERING