AEC- CSE NEWSLETTER

June 2011
to
May 2012

ACTIVITIES OF THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

APOLLO ENGINEERING COLLEGE

(Approved by AICTE,Govt. of India,New Delhi and affiliated to Anna University)

Mevaloorkuppam, Near Queensland Theme Park , Chennai-602 105

DEPARTMENT PROFILE

The Department of Computer Science and Engineering was established in the year 2006. The department is well equipped with excellent computing facilities, and has qualified and dedicated faculty specialized in areas like Data Mining, Wireless Networking, Image Processing etc.

Programmes run by the department are,

- B.E. Computer Science and Engineering (Double intake since 2012).
- M.E. Computer Science and Engineering (Started since 2011).

HIGHLIGHTS OF THE DEPARTMENT

➢ Main focus of all our faculty members is to impart quality teaching to the students in the teaching-learning process.

➢ Our department offers expert lectures, seminars and colloquiums on a variety of topics every semester, to provide value addition to the curriculum.

➢ Our faculty is committed to the pursuit of transformational research activities.

➢ The department provides a number of student support services like providing students with class advisors, provide semester and intermediate semester progress updates to the students and parents, etc.

ACTIVITIES OF THEDEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

(June 2011 to May 2012)

GUEST LECTURES

1. **February 17th 2012:Guest Lecture** on "**Knowledge based systems (KBS)**" by **Dr.J.Janet**, Professor & Head, CSE Department, Dr. MGR Educational & Research Institute University, Chennai 95.

Dr.J.Janet addressing the students on the topic "KBS"

TECHNICAL WORKSHOP

March 10th2012 :One Day National Workshop on Recent trends in Networking and Computer Communication (RTNCC 2012) was organized on 10.3.2012. Dr. Dhananjay Kumar, Professor, Information Technology from Madras Institute of Technology, Anna University was the Chief Guest and delivered the expert lecture on "Wireless Sensor Networks and Aerial Video Surveillance". The other technical sessions were handled by Dr. H.V. Ramakrishnan, Dean, Computer science and Information technology from Dr. MGR Educational and Research Institute University, Chennai and Er. K. Karthikeyan, Senior Technical lead, Engineering and R&D, HCL Technologies, Chennai on "Optical Networks" and "IPV6" respectively. Around 300 participants of various engineering colleges from Tamilnadu, Andra Pradesh and Kerala attended the workshop. Dr. S. Prasanna Devi, HOD, Department of Computer Science and Engineering welcomed the gathering and delivered the inaugural address. The experts were felicitated by the Vice Principal Prof. S. Saravanan.

Dr.H.V.Ramakrishnan on the dias

Dr.Dhananjay Kumar addressing the students

Er. K. Karthikeyan from HCL distributing certificates to the RTNCC-2012 workshop participant. Dr. S. Prasanna Devi, HOD-CSE and Prof. S. Saravanan, Vice Principal were also present.

CORPORATE SOCIETAL RESPONSIBILITIES

March 28th, 2012: Apollo Intercollegiate Competition 2012 (AIC 2012)

A National Symposium to induct societal responsibilities among youth (Theme: Organ Donation) was organized by the department of computer science and engineering, Apollo Engineering College, Chennai on 28.3.2012. The Theme of Intercollegiate competition is "**LET LIFE FLOW**". The Event was funded by "**Tamil Nadu State Council for Science and Technology, Chennai**" and jointly organized by "National Network for Organ Sharing (NNOS)", Chennai – a non-profitable social organization to promote organ sharing and networking in India. Dr. S. Prasanna Devi, HOD, Department of Computer Science and Engineering welcomed the gathering and the inaugural address was given by Dr. R. Swaminathan. Dr. R. Swaminathan IAS (Retd.), Chairman of NNOS on the topic "Organ Sharing". Ms. SowmyaRajasekaran Project Director of NNOS gave short introduction about National Network for Organ Sharing (NNOS). Mr. Karunakaran, Trustee of NNOS, Ms.Sowmya Rajasekaran, Project Director, NNOS and Ms. Deepikashree, Project Manager of NNOS were present during the function. The resource persons from NNOS were felicitated by the Principal Dr. J. Francis Xavier and Vice Principal Prof. S. Saravanan of AEC.

A series of events were organized for participation by the students on the theme: "**Organ donation– Let Life Flow**", such as: Short film contest, Poster contest, Debate, Extempore Speech, Slogan Writing and Quiz. The entire contests were aimed in making the students aware of organ donation. A total of 196 participants took part in AIC 2012. The valediction was concluded with prize distribution by the chief guest for all the events.

Members on the Dias during inauguration (left to right) Dr. S. Prasanna Devi, HOD, Dept. of CSE., Mr. Karunakaran, Trustee, NNOS., Dr. R. Swaminathan IAS (Retd.), Chairman, NNOS., Dr. J. Francis Xavier, Principal, AEC., Prof. S. Saravanan, Vice Principal, AEC.

Principal Dr.J.Francis Xavier presenting a Memento to the chief guest Dr.R.Swaminathan IAS (Retd.), Chairman, NNOS

AIC 2012 PRIZE DISTRIBUTION

AIC 2012 PRIZE DISTRIBUTION

T-shirts to promote organ donation awareness were given to students

INDUSTRIAL VISITS:

1. **February 11th 2012:Industrial Visit for II Year BE CSE to Adroit Design Solutions, Chennai 83.**

   Website: www.cadadroit.com

Mr.V.H.W.Raja, CEO of Adroit Design Solutions giving a lecture on "Product Lifecycle Management (PLM)"

2. **March 30th, 2012: INDUSTRIAL VISIT FOR B.E. III YEAR CSE** to "**Dimensions – Academy for media technologies**", Chennai

   Website: dimensions.org.in

A photo of the CSE 3rd years at the company

INTERNATIONAL CONFERENCE ON RECENT TRENDS IN COMPUTER SCIENCE AND ENGINEERING, ICRTCSE – 2012, MAY 3RD & 4TH 2012

The inaugural function of the two day International Conference on Recent Trends in Computer Science and Engineering was organized by the department of CSE of Apollo Engineering College on May 3rd, 2012. Dr. G. Thomas Bellarmine, Program Area Co-ordinator, Florida A&M University- Electrical Engineering Tech, Florida-USA was the chief guest and Dr.Thomas Gabriel, Professor, Dept of Electrical and Computer Engineering, Faculty of Engineering, University of Manitoba, Canada was the guest of honor. The function was attended by nearly 410 participants from India and abroad. Organizing secretary Dr. S.Prasanna Devi welcomed the participants to the grand event.

A souvenir and CD were released at this juncture. While Dr. G. Thomas Bellarmine gave a keynote address, Dr. Thomas Gabriel went on

to deliver a special address. Dr.Dhananjay Kumar, Professor MIT, Anna University, Chennai, Dr.C.Annamalai, Professor & ICT Education specialist, Sultan Recsam Shah, Penang, Malaysia, Dr.V.Masilamani, Associate Professor and Dr.Noor Mohammad Sk., Associate Professor, Indian Institute of information technology, Design and manufacturing (IIITD&M), Kancheepuram, Dr.J.Janet, HOD, CSE & IT, Dr MGR Educational & Research Institute University were also present during the souvenir and CD release during the inauguration. Dr.J.Francis Xavier, Principal, Apollo Engineering College presided the function and felicitated all the dignitaries.

Conference Photo Link:

https://plus.google.com/u/0/photos/118417879871751604904/albums/5739042365683624625

Left to right: Dr.Noor Mohammad Sk, Dr.V.Masilamani, Dr.J.Janet, Dr.S.Prasanna Devi, Dr.Thomas Gabriel, Dr.Thomas Bellarmine, Dr.J.Francis Xavier, Dr.C.Annamalai, Dr.Dhananjay Kumar.

RESEARCH PUBLICATIONS FROM THE DCSE:

International Journals (*indicates Referred & Indexed with impact factor):

- ***S. Prasanna Devi**, S. Manivannan and K. Suryaprakasa Rao, "Comparison of non-gradient methods with hybrid Taguchi-based epsilon constraint method for multiobjective optimization of cylindrical fin heat sink", **Int J AdvManufTechnol, Springer publications, DOI 10.1007/s00170-012-3985-7,** Published online : 2012.

- *Manivannan S., **Prasanna Devi S**., Arumugam R., Sudharsan N.M. and Paramasivam S., "An Experimental Investigation And Optimization Of Flat Plate Heat Sink", **International Journal of Power Electronics, Inderscience publications,** Int. J. of Power Electronics, 2012 Vol.4, No.4, pp.340 - 359

- Priya P., Iyakutti K., **Prasanna Devi S**., "e-procurement system with embedded supplier selection DSS for an automobile manufacturing industry, International journal of database management systems, Vol 4, issue 2, April 2012, pp: 85-96.

International Conferences

- **Prasanna Devi S.,Govindaraj V**., Suryaprakasa Rao K., Forecasting Of Transplant Patients Waiting List Using Neural Networks And Simple Exponential Smoothing, **26[th]Indian Engineering Congress**, Bangalore, India, p: 66.

National Conference(s)

- **Murali E.,** "Resolving Void problem for wireless sensor network", National conference on advances in computing and network, NCANET, Feb 2012, p: 243.

FUNDS RECEIVED (DURING JUNE 2011- MAY 2012)

FROM TAMIL NADU STATE COUNCIL FOR SCIENCE AND TECHNOLOGY (TANSCST)

1. AIC 2012 (Apollo Intercollegiate Competition) was partly funded (Rs 15,000) by TANSCST, Chennai 25, under popularization of science activities.
   Ref: TNSCST/POP.SCI/75/RJ/2011-2012/2155.

2. International conference on recent trends in computer science and engineering (ICRTCSE 2012) was partly funded (Rs. 20,000) by TANSCST, Chennai 25.
   Ref: TNSCST/POP.SCI/RJ/04/2012-13/2361