



Karunya University

(Karunya Institute of Technology and Sciences)

Declared as deemed to be University under sec. 3 of the UGC Act, 1956

SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DIGERA-TI VER 2.0

2016
Jan-June

Congratulation



BEST DEPARTMENT

AWARD

for two consecutive years

(II Place)

Best Department Award by IQAC

ACE INAUGURATION



"Phil 4:13: I can do everything through him who gives me strength."

ACE Inauguration

ACE INAUGURATION CEREMONY The annual inauguration of the association of computer engineers (ACE) for the year 2016 was held on 19th February 2016. The Vice-Chancellor, Mr. Sarath Shyamson, Senior Product Engineer, Wipro Limited, Chennai, the Director of CST and the HoD of CSE graced the occasion with their presence. After the dignitaries were welcomed, the VC, the Director, and the chief guest



enriched us with their words of wisdom. After this, the audience was introduced to the various clubs under ACE and the respective coordinators were asked to give a presentation about their club. Each club outdid the other in presenting their club's activities. Various technical events are conducted in front of dignitaries. After the various events, the functions patrioti-



Invenio 2016
CSI Project Context
Date: 16 March 2016

Workshop
on
Mobile Application Development

Date: 17 and 18 Feb 2016



Without your involvement you can't succeed. With your involvement you can't fail -



EVENTS

**Seminar on
Membrane Computing: Cell-Inspired
Computing**
**Dr. Linqiang Pan, Huazhong Univer-
sity of Science and Technology, China**
Date: 11 January 2016



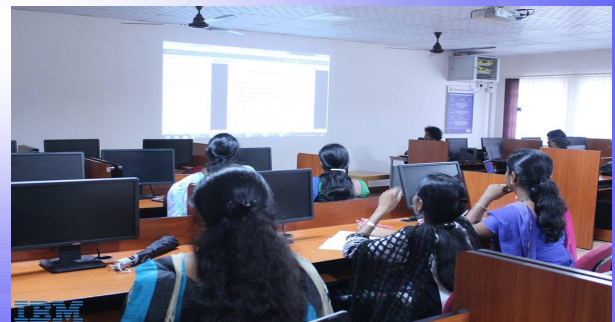
Parents Meet 2016
Date: 13 Feb 2016

IBM BLUEMIX HACKATHON 2016
Mr.Sachin, IBM India Pvt Ltd,
Date: 3 and 4 March 2016



**Workshop on
Text analytics and stream com-
puting in Big Data using IBM
Tools**
Date: 17 and 18 March 2016

Resource Person
Mr.Nandha Kumar.,
Data Analytics Specialist,
IBM Big Data & Analytics Platform
Dr.Shanthi Thilagam,
Asso. Prof.,
Dept. of CSE, NITK, Surathkal



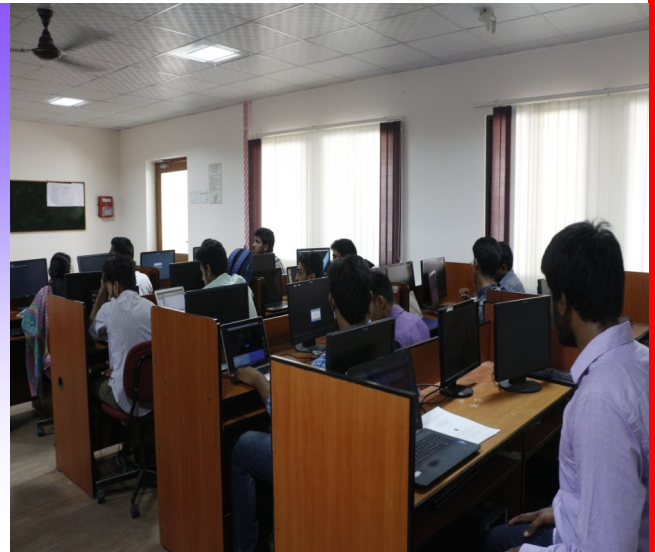
EVENTS



**Faculty training programme
on
Effective teaching - learning
methodology for Engineers
Date: 28th June 2016**

**Workshop
on
Programming Contest Problems
Date: 15th March 2016**

**Dr.Jey Veerasamy,
Director, -Center for Computer Science Education
& Outreach, University of Texas, Dallas, USA.**



**Seminar
on
Importance of Global Certifica-
tion and IT Trends
Date: 5th February 2016**

**Mr. Sukumar
Partner Manager, Workforce Development
Partner, Oracle Pvt. Ltd., Chennai**



If you want to shine like a sun. First burn like a sun -



Publications

- Narmadha. D, Appavu alias Balamurugan, Naveen Sundar. G, Jeba Priya. S, “Survey of Clustering Algorithms for Categorization of Patient Records in Health Care”, DBT sponsored International Conference on Converging Biotechnological Innovations for Health, Food and Environmental Welfare, Karunya University, Coimbatore, 2nd December to 4th December 2015.
- Shibin D, Jasper W Kathrine, "A comprehensive overview on secure offloading in mobile cloud computing", IEEE Third International Conference on Electronics and Communication Systems (ICECS 2016), Karpagam College of Engineering, CBE, 25th February 2016 to 26th February 2016.
- Andrew. J, Jeba Princy. M "A survey on detection and alert minimization techniques in intrusion detection system", IEEE Third International Conference on Electronics and Communication Systems (ICECS 2016), Karpagam College of Engineering, CBE, 25th February 2016 to 26th February 2016.
- Belfin. R.V, "Intelligent Social Network Based Data Modelling for Improving Health Care", IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- Ramalakshmi. K, “A Survey of Relay Node Placement in Wireless Sensor Network”, IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- Naveen Sundar. G, “Exploring the use of hybrid fuzzy K Harmonic Means (HFKHM) Algorithm for Unstructured Datasets”, IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- Jebadurai, I.J.R., Rajsingh, E.B. and Paulraj, G.J.L., “Enhanced dynamic source routing protocol for detection and prevention of sinkhole attack in mobile ad hoc networks”, Int. J. Network Science, 1(1), pp.63–79, 2016. (Inderscience Publisher).
- Taye Tolu Mekonnen, Kumudha Raimond, “Drought Pattern Investigation Through Processing Normalized Vegetation Index-Based Satellite Images”, i-manager’s Journal on Pattern Recognition, Vol. 2. No. 3, pp 1-7, September - November 2015, ISSN Print: 2349-7912, ISSN Online: 2350-112X, i-manager publisher, (Ulrich's Periodicals Directory indexed).
- Anitha. J, S. Immanuel Alex Pandian, G. Josemin Bala and Maya K. Kuriakose, “A hierarchical algorithm with fast convergence spiral search pattern for block matching in motion estimation”, Int. J. Computational Vision and Robotics, Vol. 6, No. 4, pp. 435-449, 2016. SJR=0.22, (Inderscience publisher).
- G. Naveen Sundar, D. Narmadha, “Utilization of Data Mining Technique for Hassle Free Categorization of Customer Issues in Banking”, in the book titled Enabling Technologies for Health and Human Betterment, Chapter 5, pp. 28-33, ISBN: 9789380485751, Sams Publisher, Chennai, 2015.
- Sujitha Juliet and Elijah Blessing Rajsingh, Performance Analysis of Transform-Based Medical Image-Compression Methods for Telemedicine, Chapter 23, pp. 487-508, 2016. Telehealth and Mobile Health by Taylor & Francis Group (CRC Press).
- Shibin D, Andrew J, Impact of Quality of Service (QoS) towards the future development of electrical and software products to enrich the CSat, Chapter 16, pp.120-124, 2016. The customer satisfaction towards service quality of electrical equipments by Archers & Elevators Publishing House.

Staff Activities

- Belfin. R. V, AP/CSE attended Train The Trainer (TTT) on Python Programming, conducted by Infosys Limited at Saranathan College of Engg. Trichy, from January 21st 2016 to January 23rd 2016.
- Belfin. R. V, AP/CSE attended 4th National Research Seminar on “Challenges and Strategies in Research”, conducted by SNS College of Engg. Coimbatore, on January 30th 2016.
- Andrew. J, AP/CSE attended 4th National Research Seminar on “Challenges and Strategies in Research”, conducted by SNS College of Engg. Coimbatore, on January 30th 2016.
- Basil Xavier, AP/CSE attended 4th National Research Seminar on “Challenges and Strategies in Research”, conducted by SNS College of Engg. Coimbatore, on January 30th 2016.
- Diana. A, AP/CSE attended a National workshop on “Cyber Security – Threats and Vulnerability Assessment”, conducted by PSG College of Technology, Coimbatore from January 8th 2016 to January 9th 2016.
- DevaPriya. I, AP/CSE attended a National workshop on “Cyber Security – Threats and Vulnerability Assessment”, conducted by PSG College of Technology, Coimbatore from January 8th 2016 to January 9th 2016.
- Shibin. D, AP/CSE attended a National level training workshop on Writing of Research Proposals, Thesis, Reports and Papers conducted by Christ University, Thiruvananthapuram from January 22nd 2016 to January 23rd 2016.
- Basil Xavier, AP/CSE attended a National level training workshop on Writing of Research Proposals, Thesis, Reports and Papers conducted by Christ University, Thiruvananthapuram from January 22nd 2016 to January 23rd 2016.
- Anitha Angelin. P, AP/CSE attended a one day hands on workshop on “Network Simulator – Netsim” conducted by PSG College of Technology, Coimbatore on January 23rd 2016.
- Sebastian Terence, AP/CSE, attended Infosys Campus Connect “Principal’s Meet 2016” conducted by Infosys Limited, Bangalore on 30th March 2016.
- Mathew Kurian, AP/CSE, attended Infosys Campus Connect “Principal’s Meet 2016” conducted by Infosys Limited, Bangalore on 30th March 2016.
- Jeban Chandir Moses, AP/CSE, attended VMware Academic Day 2016 at VMware Software India Pvt Ltd., Bangalore on 20th April 2016.
- Jeyakrishnan. V, AP/CSE, attended Train the Trainer program - "Python Programming" conducted by Infosys Campus Connect at Kongu Engineering College, Erode from 27th April to 29th April 2016.
- Mathew Kurian, AP/CSE, attended Train the Trainer program - "Python Programming" conducted by Infosys Campus Connect at Kongu Engineering College, Erode from 27th April to 29th April 2016.
- Mrs. Ramalakshmi, AP/CSE received a Longest Continuous SBC Award (Coimbatore Region) for her significant contribution to the CSI Chapter activities.



Appreciation for successfully completing their internship at University of Texas, Dallas.

Student Activities

S.No	Name of the student	Name of the award	Awarding Authority	Place & Date
1	Danny Sebastian, UL13CS006	Participation in Choreo Philae	Yugam 2016	KCT, Coimbatore, 11-02-2016 to 13-02-2016
2	Putta Praneeth, UR13CS108	Participation in Choreo Philia	Yugam 2016	KCT, Coimbatore, 11-02-2016 to 13-02-2016
3	Praveen Anand. A, UR13CS104	Participation in Choreo Philia	Yugam 2016	KCT, Coimbatore, 11-02-2016 to 13-02-2016
4	Ms. Susmi Elma Sam Varghese, III CSE, UR13CS157	First in Pop- ierius Thrust	ELERO'16	Sri Krishna College of Technology, CBE
5	Steffi Stanley Tho- mas, III CSE, UR13CS155	First in Pop- ierius Thrust	ELERO'16	Sri Krishna College of Technology, CBE

- Mr. Jedidiah Jeyaraj, UR14CS328, participated a 3Day-National Workshop on Mobile Apps in Indian Languages and Android organized by CDAC in Hyderabad during 5th to 7th April 2016.
- Ronalda. M, PR14IT3004, "Intelligent Social Network Based Data Modelling for Improving Health Care", IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- Doan Francis, PR14CS2002, "Fundus Image Vessel Segmentation using PCNN Model", IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- I. Epistle, PR14CS016, "Score Based Method to Find Patient Similarity on Health Care System", IEEE International Conference on Engineering & Technology, Rathinam Technical Campus, CBE, 17th March 2016 to 18th March 2016.
- Suganya. R, PR14CS1003, "A Survey of Relay Node Placement in Wireless Sensor Network", IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- Dinesh Jeffrine. J, PR14IT1011, "Exploring the use of hybrid fuzzy K Harmonic Means (HFKHM) Algorithm for Unstructured Datasets", IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- Jisha Lia George, PR15CS1013, Alumparambil Rinta Sony, PR15CS1023, Vinodha. R, PR15CS1021, "Automation System Using Thread Wireless Protocol" National Conference on Intelligent Computing with IoT, Dhirajlal Gandhi College of Technology, Salem, 16th April 2016.
- Lekha. G, PR14CS2001, "A survey on classification and feature selection algorithms with applications", IEEE Third International Conference on Innovations in Information, Embedded and Communication Systems, Karpagam College of Engineering, CBE, 17th March 2016 to 18th March 2016.
- Hepsibah Rebrey. P, PR14CS017, "Prediction of efficient drug using multiple cell lines from genomic profile datasets", IEEE International Conference on Engineering & Technology, Rathinam Technical Campus, CBE, 17th March 2016 to 18th March 2016.

Department of CST



Faculty Editor: Mr. Sebastian Terence
Student Editors: Mr. Basil (UR12CS031), Mr. Rodni (UR12CS165)