

## **ACM BANGALORE STUDENT CHAPTER**

The ACM Student Chapter at the Bengaluru campus is aimed to serve as a gateway of forums, panel discussions, and symposia that further a student's professional development. It encourages students to take an active interest in the emerging and exciting world of computing preparations and presentations of the technical reports and papers, and cooperative efforts on research projects allow them to test their technical expertise.

### **FURTHER DETAILS:**

Total number of chapter members: 64

Total number of chapter members(professional): 5

**Chapter Mentor:** Dr. Amudha Josesph

#### **Professional Members:**

Chairperson: Janani Anand

Vice Chairperson: Venkatramanan Srinivasan

Secretary: Mangalnathan Vijayagopal

Treasurer: Pranav Sriram

### **LOCAL ACTIVITIES-**

#### **ACM Events (conducted last academic year 2016-2017)**

This year witnessed some interesting and innovative events.

ETCVision '16, the workshop on Eye Tracking and Computer Vision was conducted by ACM and CSI sponsored by TATA CONSULTANCY SERVICES and SMI(SensoMotoric Instruments) between 19<sup>th</sup> August -21th August 2016, receiving huge participation not only from the students of Amrita but also the students from other universities attracting researchers as well. Eye gazing is the instant way of user profiling.

The first day of the workshop (dated on 19-08-2016) started on a clean note on explaining what exactly eye tracking is all about, the growing importance of it in the field of advertising (based on arousal-pupillary dilation of the eye and valence). The talks focussed on research statistics by many universities and organisations based on gender, religiosity, age, personal interests etc. The day ended with a panel of questions and answers by the delegates.



The second day (20-08-2016) started off with a talk by Dr.Sidhu Sudarsan who extends his services presently for ABB India Corporate team.He briefly explained about the HEILBRONN experiment (the Destiny project) which is aimed at development of a software tool for automatically checking interface against usability related standard guidelines and style guides.



The third and the final day (21-08-2016) of the eye tracking and computer vision event started off with a guest speaker Dr. Prakash Paddakannaya, a professor in the department of Psychology, University of Mysore. He enlightened the listeners on the various kinds of vision, different kinds of eye trackers and explained how eye tracking is a non-invasive method for studying online cognitive processes and many scientific facts about the eye movements while reading. Dr. Kumar Rajamani spoke about deep learning. He explained the working of neural networks and how a machine goes through various steps in order to get a final processed image. The concept of deep learning increased the success rate of many medical surgeries. The last speaker of the day, Dr.Tripty Singh ,Assistant Professor at Amrita Viswa Vidyapeetham, Bangalore, spoke about computer aided medical expert system for

diagnosis of breast cancer. The last day of the workshop was ended by giving mementoes to the key speakers of the day and certificates to the participants.

On 5<sup>th</sup> October 2016, the event on Introduction to GIT enlightened the students about the version controlled technology in software development. The event was presented by Mangalnathan , Secretary of ACM Student Chapter at Amrita Bengaluru. The event drew healthy participation and involvement from students passionate about software technologies.



On 4<sup>th</sup> November 2016, Hour of Code was conducted as a joint effort by the professional members of the ACM student's chapter in the university. The event kicked off with a brief introduction to HTML and CSS which were used to build static webpages. Following this a contest was held to test the participants on the knowledge gained during the session. In this contest, a number of innovative and creative webpages were built by the students which made it difficult to judge the best out of them.



