

# ACM STUDENT CHAPTER EXCELLENCE AWARDS 2016

## **Address**

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## **Chapter Executives**

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## **About University of Moratuwa (<https://www.mrt.ac.lk/web/>)**

University of Moratuwa is the most sought-after technological university in Sri Lanka, founded in 1960. UoM has three faculties namely, Faculty of Engineering, Faculty of Architecture, and Faculty of Information Technology. Students from UoM have won competitions for Google Summer of Code, Microsoft Imagine Cup, and IEEEExtreme. The university's vision is to be the most globally recognized Knowledge Enterprise in South Asia by providing transformative education in technological knowledge and skills while providing expert services to the State, Industry and the Society.

## **About University of Moratuwa ACM Student Chapter**

ACM Student Chapter of University of Moratuwa, Sri Lanka was officially chartered by ACM's Chief Operating Officer on August 30, 2013. Chapter has taken great steps on improving technological awareness of university students.

This year is the third operative year of this student chapter. Under the Chapter Group ID 111289 and with above mentioned chapter officers, the session for 2015/2016 was initiated.

There are 12 committee members apart from the above 5 chapter officers. All the chapter officers, committee members, and the faculty sponsor are from the Department of Computer Science & Engineering (CSE) of University of Moratuwa. There are about

500 students in the department majoring in Integrated Computer Engineering and Computer Science & Engineering.

All the events for the year 2015/2016 were publicized using social media (<https://www.facebook.com/ACM.UOM>) and emails.

### **Chapter Activities**

ACM Student Chapter of the University of Moratuwa organized a set of activities including Tech talks, Programming workshops and competitions throughout the year, not only for the undergraduates in the Department of CSE but also for the outsiders.

The financial sponsorship for the activities of the chapter was provided by the Computer Science & Engineering Society (CS&ES) of University of Moratuwa.

#### **- XtremeCS 2015**

One of the major events conducted by ACM student chapter of University of Moratuwa is XtremeCS 2015. XtremeCS 2015, is a 12-hour programming competition organized to provide experience for IEEEExtreme competition and was held on 11th July from 6am to 6pm at Department of Computer Science & Engineering. The competition was preceded by two workshops ([Photos](#)) conducted by previous IEEEExtreme award-winners to provide guidance in approaching problems.

The competition was successfully completed with the participation of over 40 teams (115 students), each consisting of up to 3 members and the winners were recognized in an award ceremony that was held after the competition. Winning team of the competition was awarded exclusive passes for the [WSO2 Con](#). HackerRank was used as the competition platform.

[Photos-Coding Arena](#)

[Photos-Award Ceremony Event Day](#)

[Photos-Award Ceremony for Winners](#)

Post XtremeCS Workshop was organized to discuss some of the hard problems of XtremeCS competition.

#### **- Hour of Code ([Photos](#))**

This event was organized to introduce and to induce excitement about programming for children of the Administrative staff of University of Moratuwa. 35 school children in the age range of 6 - 13 years participated in the event and learnt programming using Scratch.

ACM Student chapter also conducted some technical workshops and sessions. This was done with the objective of enhancing the technical and theoretical skills of members and the undergraduates of the university, and outside.

#### **- Microprocessor Simulation Workshop ([Photos](#))**

GNUSim8085 Microprocessor Simulation workshop was focused on introducing and providing hands on experience on Microprocessor Simulation software to Semester 2 students of Department of Computer Science & Engineering. More than 80 students participated for the workshop.

#### **- Neural Networks & Fuzzy Logic Workshop ([Photos](#))**

This workshop was held covering the areas “Introduction to Machine Learning”, “Introduction to Fuzzy Logic”, “Application of Machine Learning with Kaggle”, and “Introduction to Neural Networks” and two hands on sessions on Fuzzy Logic and Neural Networks with the participation of more than 30 students from UoM as well as from other universities.

#### **- GSoC Introductory Session ([Photos](#))**

Google Summer of Code (GSoC) Introductory Session was organized to give a brief introduction on how to work in GSoC projects. The session was held with the participation of more than 100 students of Department of CSE and was conducted by alumni of ACM student chapter who were also GSoC students in the past

#### **- Tech Talks**

Several tech talks were organized throughout the year as well, under the following topics:

- 1) An Online Lighting Model Estimation Using Neural Networks for Augmented Reality in Handheld Devices ([Photos](#))
- 2) Deep Learning with Machines ([Photos](#))
- 3) Postgraduate Study Options & Research Careers ([Photos](#))
- 4) Enterprise Architecture/Infrastructure, IT careers & IoT at High Level ([Photos](#))