

In the Name of God
Submission for Outstanding School Service 2016

ACM Student Chapter, University of Tehran

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Description of the School of Electrical and Computer Engineering (ECE)

URL: <http://ece.ut.ac.ir>

The school of electrical and computer engineering at university of Tehran is one of the most prestigious academic institutions in Iran. Hosting more than 70 academic and 30 support and technical staff, school of ECE provides a friendly, modern and supportive environment which consistently leads to excellence in education and cutting-edge research. Offering both undergraduate and graduate programs, the school is a highly admired engineering college in Iran.

Flexibility of Graduate programs at ECE, encourages students to envision their educational goals early on, and move toward them with assistance of members of the faculty. In addition to

participating in the educational curriculum, undergraduate students are welcomed at laboratories.

On average, number of students who major in the fields of Computer Engineering and Information Technology at the school of ECE is:

B.Sc. in Software Engineering:	130
B.Sc. in Hardware Engineering:	100
B.Sc. in Information Technology:	100
M.Sc. in Software Engineering:	20
M.Sc. in Hardware Engineering:	25
M.Sc. in Artificial Intelligence:	15
M.Sc. in Information Technology:	10
PH.D. in Software Engineering:	6
PH.D. in Hardware Engineering:	6
PH.D. in Artificial Intelligence:	6

Description of the chapter

ACM student chapter at University of Tehran began its activity on January 10th, 2001 as the first ACM student chapter in Iran. The main motivation behind establishment of this chapter, was promoting knowledge and adequate skills among students studying computer science. Consistent engagement with students and encouraging them to pursue and improve their ideas, were other goals behind the formation of this chapter. Our engagement with students were mostly in following context:

Conducting introductory sessions in both software and hardware engineering, focused on technologies, methods, and views

Hosting conferences and educational workshops, which in turn leads to better social and managerial skill among students

Forming and participating in groups of special purposes

This chapter is also known as the scientific chapter of the computer engineering college of University of Tehran.

Essay:

The Tehran ACM student chapter tries to keep the student community active by organizing a lot of medium or large scale events, each aimed to improve part of their skills. We try to create a sense of community and active competition and strive for betterment. And we think that no single huge event keeps the students attached and intrigued.

UT ACM is constantly working on finding solutions to the school's shortages and trying to fill the voids in the system. We have tried to contribute to our school and its place in the society through numerous projects and activities, such as holding grand events like the Ubuntu Festival and Panjareh, cooperating with international conferences (e.g. FSEN), putting up a course planner service for the students in order to help them select their courses in a tidier way, and holding student-based festivals and exhibitions such as IE Fest in order to encourage the students to put more effort on their coursework, create new opportunities for the students and help the school come in contact with industry.

The award-winning "F1 Scientific Journal" is among the most practical literature available to students at bachelor level. This quarterly journal covers a wide range of topics from the new

technologies emerging in industries to our department academic news, from interviews with faculty members to challenging articles in theoretical computer science. The editorial board consists of a group of sophomore and junior students.

In addition to the numerous events and seminars organized during the academic year, a number of other substantial programs are being held during summer. Summer of Code is the other event which takes place with association of our chapter. This event is a great opportunity for students of different backgrounds to experience teamwork in a medium-scale project.

School Services:

- **Panjareh Conference**

This 3-day long conference was composed of 9 talks and panels by major tech companies and startups in Iran. It pictured the state of industry and offered advice on career development.

300 attendees per day

- **Ubuntu Festival**

Organized with the help of Iranian Ubuntu Users Community, it was composed of two main parts, technical workshops and annual speeches. And apart from promoting knowledge, organizing such programs can be potentially effective in increasing teamwork ability among students.

300 attendees

- **Live Streaming Project:**

ACM live stream service is a solution that enables hundreds of viewers to join in on events that are either inaccessible to them or simply too crowded To participate. This service started in May 2014 is currently available through <http://live.ut.ac.ir> to all departments and faculties of the university of Tehran.

More than 1500 distinct viewers

- **ACM Vahed Project -Course and Term Planner-**

This year a team of 10 people focused on developing and enriching this application. It has become the routine way of course planning.

Used by more than 800 people

- **F1 Scientific Quarterly Journal**

This Journal is peer-less at its level. It was recently named "[Best Engineering Publication](#)" in University of Tehran's publications festival. It is freely distributed online at <http://acm.ut.ac.ir/f1> (The Journal's table of contents is also available in English for the last issue.)

- **Internet Engineering Festival**

The 2nd Internet Engineering Festival of University of Tehran with the subject of Internet of Things was held at the School of Electrical and Computer Engineering of University of Tehran with collaboration of University of Tehran ACM Student Chapter.

200 attendees

- [University of Tehran ACM Internet Contest](#)

Participation in ACM ICPC is one the main programs of the University of Tehran's ACM student chapter, so by holding preparation classes and practice contests the chapter helps talented students to become more adept at ICPC style problem solving.

In 2015, UT ACM contest held both on-site and online (on sharecode.io). 98 teams participated in contest. With former coordination 25 teams of universities of Tehran attended in contest at site of ECE school of University of Tehran.

- [Technical Talks](#)

In January holidays, we invited students and professors who lives outside of Iran to give talks. We managed to organize 3 talks on big data, deep learning, and streaming algorithms, which are areas that are not covered in the curriculum.

300 attendees

- [Summer classes](#)

This program's main goal is to create an appropriate atmosphere during summers for the students interested in learning and cooperating with big-scale software projects and is mainly aimed at freshmen, trying to introduce them to teamwork and giving them space to use what they have learned through the first year.

Other Notable Services:

- Technical workshops ([Git workshop](#), [PHP Workshop](#))
- [XP Games for Freshmen](#) (No. of Participants: 70)
- [How to Apply Seminar](#)
- [FSEN International Conference](#)
- ["Mobiro Apptalent" Android Development Contest](#)