

In the Name of God
Submission for Outstanding School Services 2017

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

Following is the detailed explanation of our chapter's school services:

- **ACM Vote**

“ACM vote” was one of the SoC projects conducted by a number of freshmen and sophomores with the management of the ACM branch. The project was originally launched at the chapter election in 2016 and was later on expanded for the use of other departments of the university due to its success. Guaranteeing the security of the votes and providing an appropriate support system were some of the biggest challenges.

- **internet.ut.ac.ir**

In the past few years, University of Tehran’s students and staff had difficulty using internet service due to its requirements of running specific software and settings on different devices. For facilitating and integrating this process, ACM’s student chapter and University of Tehran’s Informatics Center developed internet.ut.ac.ir project in 2016 and replaced the former system with Central Authentication System.

- **UTSec**

UTSec was held at the University of Tehran in two days in the light of the importance of hacking and how it is usually left out. This event consisted of three classes, covering the subjects reverse engineering, web attacks and network attacks followed by a Capture the Flag (CTF) competition. This event was sponsored by [Amnafzar group](#).

300 attendees

- **Panjareh Conference**

This conference was composed of 4 talks and a panel by teachers of University of Tehran, major tech companies, and startups in Iran. It pictured the state of industry and offered advice on career development. This event was sponsored by [Dotin](#).
300 attendees

- **F1 Special Issue**

Entering university can be a big change in a person's life. It can come with difficulties such as adapting to new surroundings and a diverse community of people, getting to know the professors, and adjusting to new methods of teaching. These changes form some common questions in a freshmen's head, and the F1 team decided to address these issues in a special edition of F1, the Chapter's quarterly journal.

- **Summer of Code**

“Summer of Code” is one of the largest events held by UT ACM Student Chapter since 2012. The main audience of the event are freshmen and sophomores. It's one of the most effective ways of strengthening social relations between students. Participants work on projects defined by the Student Chapter for three months in teams of 4-8 people, supervised by a mentor. Many of these projects are a beginning to a long-term cooperation of students with ACM Student Chapter.
40 attendees

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

ACM Vahed Project-Course was developed in 2015 by a team of 10 people in order to help students schedule their weekly courses before the formal semester registration sessions. In 2016 some new features and updates were added to the project and it became available to all faculties of University of Tehran.
Used by more than 1000 people

- **Live Streaming Project**

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