

# Princess Sumaya University for Technology

## ACM Student Chapter

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### PSUT ACM Student Chapter

Group ID: 121310

#### Officers:

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#### Chapter's Websites:

##### Facebook page:

<https://www.facebook.com/psutacmsc>

##### Youtube channel:

[https://www.youtube.com/channel/UC9vR\\_ulCafDvVFiVZb8cqDA](https://www.youtube.com/channel/UC9vR_ulCafDvVFiVZb8cqDA)

## **Our Chapter:**

In its 4th year running, the ACM Student Chapter at PSUT has maintained its reputation as the top scientific club at the university. Our vision is to see Computer Science as a respected major choice in Jordanian households as much as Engineering and Medicine. We strive to achieve our vision by making it possible for our community to explore the true nature of Computer Science; not only as a tool to aid all other scientific fields, but also as an applied science that is relevant in our everyday lives, much like all the other types of sciences they are familiar with.

## **Our University:**

Since its establishment in 1991, Princess Sumaya University for Technology has been the leading university in Jordan in the field of technology. The university started by offering only 2 majors; Computer Science and Electronics Engineering. It has grown since then to cover an array of ICT related programs in 3 different schools; IT, Electrical Engineering, and Business. PSUT is considered one of the smallest universities in Jordan, but despite a population of only 3000 students, it has acquired an excellent reputation at the regional level.

Official website: <http://psut.edu.jo/>

## **Chapter Members:**

One of our core values is that science is for all, and that knowledge should be accessible to any curious mind. Therefore, this year, an important goal of ours was to remove all membership fees. With the support of our university, we successfully managed to do that by making all organized competitions, trainings, and activities entirely free for any student in the university interested. Therein making members this year to be volunteers who share our vision and have the experience and skill set to make our events a success. To choose the members, we conducted 5 minute interviews with interested students and each student choose the category for which they can volunteer. Currently, our chapter consist of 52 members (including committee members): 5 photographers, 6 designers, 5 photo editors, 4 video editors, 23 organizers, 2 social media experts, and 7 Trainers that have experience in national and regional competitions.

Our chapter consists of **52** members, typically majoring in:

Computer Science, Computer Graphics and Animation, Software Engineering, Electrical Engineering, Computer Engineering, and Networks and Information Security Engineering.

## **Outstanding Chapter Activities:**

### **1) One Hour of Computer Science:**

On March 5, 2017, we invited 7 schools targeting students from grades 7 up to 11. We held a 3-hour session to introduce Computer Science (CS) as untraditionally as possible. We used the help of CS Unplugged; the famous website that provides references for CS academics.

Introducing CS to schoolboys, as a major full of beautiful theories and logical thinking. Also, trying to equip them with the insight they need to know at their age about CS, to help them make the right decision regarding the selection of their major.

The event included games for designing an algorithm, graph theory, image compression, and search methods all in fun interactive ways that are relevant to their interests.

70 school students attended this activity.

### **2) JCPC Training Sessions:**

Our training sessions started in December, 2016 going till now on campus by our brightest CS students and ACM members with excellent experience in national and regional ACM ICPC competitions. We provide beginners, intermediate, and advanced level training twice a week.

Noting from last year that many Business and Engineering students want to learn programming, so this year's beginner's training targeted those students specifically as we taught C++ programming for those with no experience.

Keeping the participants engaged throughout the week by posting problems, tutorials on blogs, and online contests. These training sessions aim at preparing students for the JCPC and other local competitive programming contests. Around 60 students attend in total, with three trainers and 3 volunteers.

### **3) Coding Marathon:**

The annual Coding Marathon is a simulation of the ICPC, held at PSUT. Prepared by our ICPC world finalists. Trophies are awarded at the end of the contest. We recently also conducted a practicing coding marathon just for the students training to get them used to an ICPC pc<sup>2</sup> style competition before the bigger school-wide coding marathon to be held this May 13<sup>th</sup>. 60 students took role in this practicing marathon.

#### 4) Activities with other clubs at PSUT and PSUT Student Council:

As we had a role in our university's cultural week 9-13 April, we organized a campaign to provide participants with technical articles about several terms used in IT fields, to be translated into Arabic and published online. The goal is to increase the Arabic content on the internet with regard to technical terminology.

#### 5) Study Groups:

Our chapter is excited to launch a new initiative this summer! Noticing that students are looking for online courses for the topics that are not covered during university classes, or competing in new competitions.

Study Groups will help them form a team to compete and learn as a collective with our chapter providing any resources they so desire.

#### 6) Codability Programming Summer Camp:

Codability was founded by previous PSUT ACM members to involve children in the programming experience.

The chapter shares their vision and supports them constantly with trainers, volunteers, organizers, and ceremony preparations.

Official website: <http://www.codability.net/>