

Princess Sumaya University for Technology ACM Student Chapter

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Chapter's Websites:

Facebook page:

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

www.codability.net (Under Construction)

Youtube channel:

https://www.youtube.com/channel/UC9vR_uICafDvVFIVZb8cqDA

Our Chapter:

In its 3rd 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 every other scientific field, but also as an applied science, pretty 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 offering only 2 majors; Computer Science, and Electronics Engineering. It grew 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.

The school's mission is to graduate high quality professionals who are capable of competing, both academically and professionally at the national and international levels, actively participating in building the ICT sectors in Jordan; in accordance with official policy, promoting solid research in the leading technological fields, and building a research platform for the Jordanian industry.

There is a total of 941 students enrolled in Computer Science and Computer Engineering related majors at PSUT, in addition to 100 Masters students, and 9 PhD students who study IT majors.

Our chapter consists of **72** members, they study the following majors:

- **Computer Science: 36.**
- **Computer Graphics and Animation: 5.**
- **Software Engineering: 13.**
- **Electronics Engineering: 2.**
- **Computer Engineering: 7.**
- **Networks and Information Security Engineering: 7.**
- **Communications Engineering: 1.**
- **Accounting: 1.**

Outstanding Chapter Activities:

1) One Hour of Computer Science:

At the beginning of this semester, we visited schools and targeted students from grade 6 up to 11. We held sessions to introduce Computer Science as untraditionally as possible. We used the help of CS Unplugged; the famous website that provides puzzles and references to aid CS academics, students and professionals let others know more about the field.

The main purpose behind this event is to introduce school students to Computer Science, because firstly, we love Computer Science, and we want everyone to grasp the beautiful theories and science taught in this field. Also, as the globe is revolutionizing technologically and moving towards an IT-based world, we sought to try to equip these children with the necessary information and insight they need to know at their age about CS, to help them make the right decision regarding the selection of their major.

2) JCPC Training Sessions:

Our training sessions are held on campus by two of our brightest CS students and ACM members. We provide beginners and advanced level training sessions twice a week, during which new algorithms and problem-solving techniques are introduced. We keep the participants engaged throughout the week by posting problems, and contests online. These training sessions aim at preparing students for the JCPC and other local competitive programming contests.

3) Coding Marathon:

The annual Coding Marathon is a simulation of the ICPC, held at PSUT. The contestants are given a problem set prepared by our ICPC world finalists. The contest runs for 4 hours, during which the participants are engaged in a competitive, fun atmosphere. Trophies are awarded at the end of the contest and approximately, 90 PSUT students take role.

4) Codability Programming Summer Camp:

Through Codability, we aspire to involve children in the programming experience which mainly revolves around problem solving and logical thinking - a way to enable children to approach programming and real-life problems in a CS-oriented mentality.

The camp's sessions take place weekly in PSUT labs. Children join one or more of the courses we provide, ranging from programming, problem solving, into web designing courses.

5) Bilisan Araby:

As we had a role in our university's cultural week, we organized a campaign to provide participants with technical articles about several terms used in IT - Computer Science, Software Engineering and Animation fields, to be translated into Arabic in order to be published online. The main goal of this event is to increase the Arabic content on the internet with regard to technical terminology. The translated articles are currently being processed.

6) First Competitive Programming Company Round in Jordan:

As the first step of its kind, we have been in touch with several companies around Jordan in order to organize a company - sponsored competitive round; pretty much like Codeforces! The first round was sponsored by Mixed Dimensions, Inc. Top 15 out of 100 contestants of the qualification round that went online were hosted for the onsite round in the company's HQ. We look forward to organize yet more company rounds in the near future!

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