

The Rules of Dr. Juozas Petras Kazickas Programming Contest

Goal

To encourage students' interest in computer science by allowing them to test their knowledge and skills in programming tasks.

Scope and structure of the competition

This is a competition of a personal nature.

Participants can compete in one of the 6 regional competitions and/or the final (national) competition.

For the regional competitions, the territory of the country is divided into 6 conditional regions: Aukštaitija, Dzūkija, Kaunas region (only Kaunas city and Kaunas district), Suvalkija, Vilnius region (only Vilnius city and Vilnius district) and Žemaitija.

The regional competitions are open to all interested school students from gymnasiums, progymnasiums, secondary schools, and primary schools in the respective region.

The regional competitions will open to 50 participants in each region (up to 300 in total).

The final (national) competition is open to all interested school students from gymnasiums, progymnasiums, secondary schools, and primary schools in the country.

Up to 200 participants will be able to participate in the final (national) competition.

A student will be able to register or will be registered for one regional competition (based on the school's affiliation to the region) and/or for the final (national) competition.

Conditions for the competition

The regional competitions will be organized in a combined way:

- The student participates in the competition from his/her school's computer classroom;
- The student (or students, if more than one student from the same school is participating) is supervised by a teacher, who must ensure fair competition conditions;
- The competition tasks are given, and the contestants' solutions are submitted through the competition website <https://open.ktu.edu/forumas/>;
- During the competition, a two-way conference link is ensured between the participating schools and the organizers of the competition, through which the organizers announce the opening of the competition, announce the beginning of the tasks solving time, monitor

what is occurring in the classroom where the tasks are being solved, communicate with the contestants about the tasks, announce the winners and the end of the competition.

The final competition will be held in physical space on the University's premises:

- The organizers of the competition prepare the premises for the competition at the Faculty of Informatics of KTU and coordinate the movement of the participants within the premises of KTU;
- Participants register for the competition on their own or are registered for the competition by an IT teacher (the teacher has to arrange the participants' arrival to KTU and transportation back home);
- During the task-solving period, participants are supervised by a member of the competition organizers' team, who has to ensure conditions for fair competition and communicate with the contestants on issues related to the tasks as needed;
- The competition tasks are given, and the contestants' solutions are submitted through the competition website <https://open.ktu.edu/forumas/>;
- During the competition, the organizers shall ensure communication about the competition process and procedures: opening of the competition, solving of the tasks, evaluation of the submissions, announcement of the winners, and closing of the competition event;
- The date, duration, and additional conditions of the competition will be announced at least two weeks before the competition.

Competition in programming is carried out.

Before the competition, the organizers and IT teachers chose the programming language used by most schools that year.

There is no grouping of participants. All students work on the same tasks.

The tasks vary in difficulty and are scored.

The number of tasks, the point value, the evaluation criteria, and other program requirements are provided to students on the day of the competition. The conditions for all tasks will be given to each student at the workplace (at the computer).

The organizers of the competition may extend the competition program by organizing competitions in other areas of computer science (e.g., computer-based learning programs, individual or collective creative tasks carried out during the ongoing school year), and seminars for teachers and school students.

Competition Organizing Committee

The judging committee comprises the lecturers of Kaunas University of Technology, Faculty of Informatics. Representatives of other higher education institutions and organizations may be invited.

The Committee conducts the competition, evaluates the tasks performed by the students, and announces the winners.

Tasks

The assignments are prepared by lecturers from the Kaunas University of Technology Faculty of Informatics and included in the composition of the guiding committee. Anyone can propose the assignments. The assignments should be sent to the KTU lecturers organizing the competition by e-mail to giedrius.ziberkas@ktu.lt. The tasks selected for the competition are known only to the teachers who prepare them. The assignments are made public after the end of the competition. Unused assignments may be used in subsequent competitions.

Participant applications and registration

Application and registration for regional competitions:

- The application phase for regional competitions starts at least 14 days before the scheduled date of the competition. The application phase is open for a minimum of 10 days.
- One IT teacher on behalf of a school shall apply for participation in a regional competition.
- The school's application is submitted online by filling in the form at <https://forumas.ktu.lt/index.php/en/school-application>
- When completing the school application form, the IT teacher shall indicate the name of the school, his/her data (name and email address), the number of places (the number of participants per school is limited to 5 at the start) desired by the school for the students wishing to take part in the competition, and the maximum number of places desired (if possible, the school's quota would be increased).
- After the closing date for applications, the competition organizers approve the schools' applications. Suppose the total number of places requested for participants does not reach the expected number of participants in the region. In that case, the organizers will allocate the remaining vacant places proportionally to the schools that indicated that they had more students interested in participating in the competition.
- The teacher will be informed of the confirmation of the application by e-mail to the e-mail address indicated in the application. The e-mail will also indicate the number of places allocated to the school.
- The IT teacher coordinates the self-registration of the specified number of participants for the regional competition on behalf of the school.

Registration for the final (national) competition:

- Registration for the final round starts at least 14 days before the scheduled date of the competition and lasts at least 10 days.
- Participants must personally register for the final (national) competition, coordinating their arrival with their school (IT teacher) and/or parents/guardians.
- For the final round, participants should register at <https://open.ktu.edu/forumas/>

- Registration for the final round is on a first-come, first-served basis. There is no limit to the number of participants per school. There is a limit on the total number of participants. The limit is 200 participants.

Competition winners

Points evaluate the contestants' submissions according to the evaluation criteria in the assignments. At the end of the competitions, the list of participants is ranked in descending order according to the points scored.

In the regional competitions, the first six participants from each region, according to the list, are declared winners.

The nine contestants with the highest number of points are selected in the national competition.

The winners are awarded diplomas and prizes from the Kazickas Family Foundation and/or sponsors.

Seminars

Workshops for students and teachers may be organized during the competitions.