

National Colleges of Technology in Japan Presents: The 25th Annual Programming Contest

Themed Section

Outline of Themed Section

In the Themed Section, each team is invited to propose software relevant to **measures for disaster prevention and reduction as well as reconstruction supports**.

In recent years, the people all over the world including Japan and Asian regions suffer from the natural disasters such as earthquakes, tsunamis, typhoons, heavy rains, twisters, eruptions and droughts. Many lives and properties have been lost by these disasters in every single year. It is strongly required to have sufficient provision and rapid response against the disasters as well as quick and secure restoration from them in order to protect our lives, properties and safety from these disasters that can happen in every region at any time.

It has been 3 years since Japan suffered from Great East Japan Earthquake and another earthquake in Northern Nagano region in March, 2011. The restorations of the stricken area, however, have made quite slow progress, which may make the people's memory of the disaster wear thin with time.

Each team is expected to analyze the problems in disaster prevention, disaster reduction and reconstruction support, and to propose a mean to solve such problems technically by employing ICT and the heavily stored open data. The participants can suppose these problems against generic natural disasters, and also can put stress on the reconstruction support from Tohoku earthquake in 2011. The organizers expect that this contest will be a good occasion for the participants to consider the current and actual situation in the area stricken by the earthquake in 3 years ago.

The participating students are expected to show their original ideas and extraordinary approaches and to propose fascinating systems that can lighten the disaster stricken area and Japan.

Original Section

Outline of Original Section

In the Original Section, each team is invited to propose software developed with their original ideas and visions.

In recent years, the people use smartphones, tablets and even new devices such as wearable computers. Our daily lives have been changing rapidly with the progress of Internet including cloud computing and the use of open data. The usage of ICT and open data is one of the major challenges to solve the problems in education, ecology, food supplies, telemedicine services and more.

The originality of the proposed system is the most important factor in the judgment. The participating students are expected to propose novel, original and fascinating systems.

Some Remarks for Themed and Original Section

1. The participants can use their original peripheral devices, but the usage of the devices will also be judged. These devices cannot extend outside their own displaying booth. In addition, the participants have to set up such devices with in the designated time (approx. 40 mins) in the contest.
2. In Themed Section, it will be judged how the proposed system is suitable for the designated subject.
3. The originality of the proposed system is the most important factor in the judgment, but it will be judged how the system shows the usability and high-quality finished form as well as the programming skills of the participants.