

Guidelines for State IT Challenge for Youth with Disabilities

Information Technology has brought about significant improvements in business operations and in the entire human life as a whole. In the state IT Challenge for Youth with Disabilities participants from following category will be allowed to participate :

- Physical Impairment (locomotor)
- Visual Impairment
- Hearing Impairment
- Development/Intellectual Impairment

Eligibility for Participants

- Must be in age group of 13-19 for all categories and must not be a college student.
- Must be able to work with Internet explorer web browser, MS Office and Scratch programmes.
- Must be able to communicate in English.

List of Events

| Sr. No. | Event Name | Objective | Category |
|---------|---------------------|--|-----------------------|
| 1. | eTool Challenge | MS Office utilization ability | Individual assessment |
| 2. | eLifeMap Challenge | Ability to respond to specific situation | Individual assessment |
| 3. | eDesign Challenge | Ability to make design posters | Team assessment |
| 4. | eCreative Challenge | Ability to create story books or games using scratch program | Team assessment |

Note: In case of team assessment, team comprise of four members one from each category (i.e. Physical Impairment, Visual Impairment, Hearing Impairment and Development Impairment).

Description of Events

1. eTool Challenge: :

It will be an individual event which evaluates participation utilization ability for MS-office software such as Excel and PowerPoint, which are the most commonly used in offices and schools.

The event is divided into two parts

- A. Excel
- B. PowerPoint

In this event, participants who are visually impaired will compete in Excel (Part A) while the other participants compete in PowerPoint (Part B). The problems in Excel will be given to participants on the basis of functions like modifying columns, rows, and cells; formatting cells; simple formulas; worksheet basics ;complex formulas; basic functions ;sorting data ; data filtering; chart; pivot tables etc. The problems in PowerPoint will be given to participants on the basis of functions like text; applying a theme; inserting image; modifying lists; wordart and Shapes; modifying themes; animations; smartart; tables; chart etc. The time duration for this event will be around one hour.

2. eLifeMap Challenge :

It will be an individual event which tests participant's ability to respond to search skill beyond simple text search. It will accelerate their ability to deal with many problems effectively in reality. The participants will be asked to search for given figures, social issues etc. The time duration for this event will be around one hour.

3. eDesign Challenge:

It will be a team event which evaluates participant's design ability to make a poster of a specific theme by utilizing PowerPoint. In the process of discussing ideas, designing a poster, and writing phrases on a poster, the team is required to show each member's participation and cooperation. The problems in this event will be based upon the features like: slide preparation; slide size; slide background; text decoration; image search; remove background of the image; add information etc. The time duration for this event will be around two hours.

4. eCreative Challenge :

It will be a team event that evaluates the participant's ability to develop the ability of story making and programming by using a scratch program created by MIT. Scratch is a program that lets us share our own stories, games, and animation with your friends. Creating games or story books through Scratch, we can practice the ability to think creatively, judge logically, and utilize programming languages. Also, job opportunities in related fields will increase. As a team event; the participants will also learn how to cooperate in group events.

The problems in this event will be based upon following features: motion; repeating actions; playing with color; creating your own sprite; speaking; creating image effects; sounds; creating animations etc. The time duration for this event will be around three hours.