



## *Cooperative Republic of Guyana*

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### OFFICE OF THE PRIME MINISTER

#### Industry and Innovation Unit

#### Girls in ICT Programme 2023

The capacity development programme under the **Girls in ICT** initiative of the Office of the Prime Minister is intended to be innovative and ICT-based. Under the initiative, three activities are envisaged for the Year 2023:

#### One-day Training – April 21<sup>st</sup>, 2023

- **Duration:** 3-4 hours
- **Target audience:** 15-20 “at risk” girls from secondary schools between the ages of 12 and 16. This is done in collaboration with the Ministry of Human Services and Social Protection.
- **Objectives:**
  - To promote gender equality and inclusion in ICT for national development
  - To build exposure to the relevance of technology in the job market
  - To showcase females within the technology industry
  - To provide training content within the field of problem-solving, algorithms and programming
- **Modality:** In-person
- **Content:**
  - Algorithms
  - Unplugged Problem-solving
  - Block-based programming with scratch

#### Guyanese Girls Code Remote Training – July to August 2023

- **Duration:** 10 weeks
- **Target Audience:** 100-150 girls between ages 12-16 from all regions of Guyana
- **Objectives:**
  - Build capacity among youths, particularly girls between the ages of 12 to 16, on the creation of small-scale software applications, programs and tools in a way

that encourages the exploration of ICTs and awareness building of the application of technology in various domains

- Stimulate active learning process among students with mentoring in ICT competence.
  - Develop skills that integrate hardware and software structures to widen the scope of digital literacy and technology use among youths.
  - To integrate the needs of the workplace and higher education with that of the training content, to better prepare the trainees for developing opportunities.
  - Facilitate the development of mentorship relationships between trainers and trainees to boost academic and career prospects for youths.
- **Modality:** Online
  - **Content:**
    - Understanding of Females' Role in Computing Today
    - Awareness building of Remote/Distance Learning Methodologies
    - Problem-Solving and Design Thinking
    - Robotic Applications with VexCode VR
    - Programming with Scratch
    - Group-based/collaborative work

### Guyanese Girls Code In-Person Training - July to December 2023.

- **Duration:** 1 week per region
- **Target audience:** 15-20 girls each from regions 2, 3, 4, 5, 6, 9 and 10
- **Objectives:**
  - Deliver specialized training content in line with emerging technologies and styles of programming in contemporary society.
  - Develop skills that integrate hardware and software structures to widen the scope of digital literacy and technology use among youths and young adults.
  - Build capacity among youths, particularly girls between the ages of 12 to 16, on the creation of small-scale software applications, programs and tools in a way that encourages the exploration of ICTs and awareness building of the application of technology in various domains.
  - Facilitate the development of mentorship relationships between trainers and trainees to boost academic and career prospects for youths.
- **Modality:** In-person
- **Content:**
  - Algorithms and problem-solving
  - Programming with Scratch
  - Miro:bit technology
  - Mini-projects and Assessments