

CARICOM GIRLS IN ICT PARTNERSHIP ACTION PLAN

APPROVED BY THE 91ST COTED ICT ON 11 FEBRUARY 2022





TABLE OF CONTENTS

EXECUTIVE SUMMARY	
INTRODUCTION	
BACKGROUND	
RATIONALE FOR THE PLAN	
FOCUS AREAS	
OBJECTIVES	8
HIGHLIGHTS OF THE PLAN	8
IMPLEMENTATION OF THE PLAN	c
SYNERGIES	
TIMELINE	11
ACKNOWLEDGEMENTS	11
ACTION PLAN	
APPENDICES	37
APPENDIX 1 - ACRONYMS AND EXPLANATORY NOTES	37
APPENDIX 2 - LIST OF OBSERVANCES	40

EXECUTIVE SUMMARY

INTRODUCTION

The CARICOM Girls in ICT Partnership was endorsed in 2019 and worked on in 2020 – at the level of a Steering Committee- to begin the development of an Action Plan for attracting girls and young women to STEM/ICT careers.

The Action Plan is part of a comprehensive plan, cooperation, and joint action to address the challenges and opportunities for education and training in the digital age. It was designed to allow for both national and regional engagements/activities to bring more awareness of girls in ICT and to empower girls and young women to choose careers in ICT.

The activities in the Action Plan (will) focus on students (nursery, primary, secondary), academia, parents/teachers/employers, and policy makers. It is hoped that the activities are included in the education curricula of Member States.

In the process of completing the Action Plan, some regional activities in the form of (1) Digital Dialogues – held on Girls in ICT Day 2020 and May 2020, and (2) Girls in ICT 2021 workshop and web adventures, were successfully completed. These activities were led by the Steering Committee.

The Steering Committee comprises Ministries of ICT, Education and Youth {from Bahamas, Barbados, Dominica, Grenada, Guyana, Jamaica, St. Lucia, Suriname, and Bermuda}, GAN, CPCE, WGEC, UG, UWI, CXC, CYAP, CTU, OECS, ITU, UNESCO, UNICEF, UN Women, and the CARICOM Secretariat – HRD, Communications Unit, and ICT4D.

BACKGROUND

International Girls in ICT Day is the annual observance of the ITU used to bring awareness to girls and young women to choose careers in ICT and STEM. It is celebrated on the fourth Thursday of April every year.

The CARICOM Secretariat, as well as several Member States, have been celebrating International Girls in ICT Day over the past years. However, in the spirit of regional integration and for the advancement of the Single ICT Space, it was thought that a combined effort of activities will allow Member States to be more involved with girls in ICT throughout the year, instead of only on Girls in ICT Day.

The mandate for the CARICOM Girls in ICT Partnership was given at the Seventy-Ninth COTED ICT (November 2021) which was chaired by the Prime Minister of Grenada -in his capacity as Lead Head with responsibility for Science & Technology (incl. ICT), as follows:

At the Seventy-Ninth (79th) Special Meeting of the Council for Trade and Economic Development (COTED) – Information and Communication Technologies (ICT) on 8 November 2019, the Ministers:

Endorsed the proposed CARICOM Girls in ICT partnership.

Agreed to promote the Girls in ICT partnership at Inter-Ministerial Meetings and all relevant meetings.

<u>Also agreed</u> to work on replicating the partnership model at the national level for increased synergy and outputs.

Further agreed to identify senior government officials who would work with the partnership;

<u>Mandated</u> that the draft work programme for 2020 should be finalised by 29 February 2020 to allow for national preparations for Girls in ICT Day 2020 and other related activities.

<u>Also mandated</u> that the draft work programme be circulated to the Chief Education Officers, Senior ICT Officials, Directors of Youth as soon as completed for their consideration and input by 31 January 2020.

<u>Further mandated</u> that the CARICOM Secretariat would provide regular reporting to the COTED and the COHSOD, on policy issues identified by the partnership and related to digital skills and the future of work.

<u>Supported</u> the opportunity to have a regional programme for Girls in ICT Day 2020 (Thursday, 23 April 2020) as a regional launch of the programme in CARICOM.

<u>Recommended</u> that information on the partnership be forwarded for the attention of CARICOM Heads of Government at the Thirty-First Inter-Sessional Meeting in February 2020, as part of the update report on the Single ICT Space.

RATIONALE FOR THE PLAN

It is anticipated that the Action Plan will set out a framework for critical actions to foster and accelerate sustainable development by closing the digital gender gap and harness the transformative potential of ICTs for women's and girls' empowerment. Empowering girls to follow careers in information and communications technology (ICT) is not only a matter of gender equality, but also an urgent development imperative.

While girls tend to outperform boys in reading skills in most regions, they continue to be under-represented amongst top performers in STEM subjects. Women also continue to be under-represented in the STEM workforce. Transforming girls education through STEM - encourages girls to think as innovators, contribute to develop girls' literacy and numeracy, and increases opportunity for transferrable skills. (*UNICEF 2020*)

Transforming education and training systems is a key part of the vision for a Caribbean Community fit for the digital age. This transformation requires multi-pronged, strategic and concerted action, as well as the pooling of resources, investment and political will to move ahead at the regional and national level(s). The effective use of digital technologies will continue to be an integral part of the design and development of the CARICOM digital economy.

FOCUS AREAS

At the Fourth Meeting of the CARICOM Girls in ICT Partnership held on 23 June 2020, the Steering Committee "agreed on the Policy Areas which would be addressed by the Partnership".

These Policy Areas are as follows:

- 1. Fostering the partnership as a leading platform for a single point of contact in CARICOM.
- 2. Raise awareness about the issues related to bringing the young people into ICT careers and supporting them as digital citizens.
- 3. Supporting more linking of ICT, STEM and the ARTS.
- 4. Integrating ICT and STEM into a broader Curriculum.

OBJECTIVES

The objectives of the Action Plan are:

- 1. Deconstructing gender-based stereotypes
- 2. Embedding digital learning objectives within education policy and curriculum
- 3. Improving girls and young women computer literacy and digital skills
- 4. Raising awareness about the digital economy and the associated careers/opportunities

HIGHLIGHTS OF THE PLAN

- Build partnerships and platforms for cooperation with the private sector, secondary schools, vocational schools and public institutions.
- Raise awareness through online campaigns such as Webinars and online meetings/events to promote technology for development in and out of school children and/or girls and young women
- Support the collection /development of data to support roll-out of Programmes
- Mentorship programmes

- Implementation of non-formal ICT training courses in cooperation with local non- governmental organizations to enhance IT
 literacy particularly among girls and young women
- Support elements of a STEAM 'strategy'/approach
- Consultations (ICT, Computing, STEM) into curriculum
- Development of Policy / Guidelines / Strategy
- Establish Protocols to support STEM in the learning curriculum

IMPLEMENTATION OF THE PLAN

The intent is to present the Caribbean Community (CARICOM) Member States and Associate Members with an integrated plan, outlining key activities (planned) to be implemented in Member States. It is anticipated that the plan will be supplemented with existing, complementary activities in Member States.

The plan will serve as a resource and supplement to help guide Member State policy makers and other stakeholders in approaching the complex issue of girls in ICT in a concerted manner and to have access to available technical and other resources (international, regional and national).

To date, the partnership has successfully conducted several girls in ICT activities, at the regional level, such as Digital Dialogues and regional celebrations of Girls in ICT Day 2020 and 2021.

In 2021 - as part of the ITU celebration of its 10th Anniversary, a series of virtual girls in ICT activities were created, called "10 Moments of Girls in ICT". The objectives of the 10 Moments series are to:

1. Build momentum and awareness about the importance of encouraging girls in STEM

- 2. Engage key stakeholders and communities
- 3. Provide an inclusive platform to discuss the best ways to encourage girls to pursue STEM careers.

The 10 Moments in ICT series:



These 10 moments in ICT align with the work of the CARICOM Girls in ICT Partnership. This is clearly seen in the activities that have been conducted so far, and those that are included in the Plan.

SYNERGIES

The Action Plan finds synergy with the following strategies, programmes and initiatives:

- ✓ SDG 2030: In June 2021 the United Nations approved the CARICOM Girls in ICT Partnership as a Sustainable Development Goal Good practice.
- ✓ WSIS Plan of Action
- ✓ UNESCO Priority Gender Equality Action Plan: 2014-2021
- ✓ ITU & UNWOMEN Global Partnership for Gender Equality in the Digital Age (EQUALS), Girls in ICT global programme
- ✓ UN Women Generation Equality
- ✓ UNICEF Generation Unlimited
- ✓ CARICOM HRD Strategy 2030
- ✓ CARICOM Regional Digital Development Strategy (RDDS)
- ✓ CARICOM Single ICT Space Roadmap and Action Plan
- ✓ CARICOM Digital Skills Taskforce

TIMELINE

The Action Plan will be implemented in 2022-2023.

ACKNOWLEDGEMENTS

The CARICOM Secretariat expresses gratitude to the Steering Committee Members of the CARICOM Girls in ICT Partnership for the leadership and support in developing this Action Plan. The Steering Committee members are as follows:

- Member States: Bahamas, Barbados, Dominica, Grenada, Guyana, Jamaica, St. Lucia, Suriname, and Bermuda
 - Ministries of ICT

- Ministries of Education
- Ministries of Youth
- Guyana Animation Network (GAN)
- Cyril Potter College of Education (CPCE)
- Women and Gender Equality Commission (WGEC)
- University of Guyana (UG)
- University of the West Indies (UWI)
- Caribbean Examination Council (CXC)
- CARICOM Youth Ambassadors Programme (CYAP)
- Caribbean Telecommunications Union (CTU)
- Organisation of Eastern Caribbean States (OECS) Commission
- Caribbean Association of National Telecommunication Operators (CANTO)
- International Telecommunication Union (ITU)
- UN Women Caribbean Office
- United Nations Educational, Scientific and Cultural Organization (UNESCO)
- United Nations Children's Fund (UNICEF)
- CARICOM Secretariat

ACTION PLAN

The CARICOM Girls in ICT Partnership Steering Committee received endorsement and approval of the COTED ICT for this Action Plan - as part of a comprehensive plan, cooperation, and joint action to address the challenges and opportunities for education and training in the digital age.

KEY ACTIONS / FOCUS ACTIVITY AREAS	IDENTIFIED ACTIONS/ INITIATIVES			STEERING COMMITTEE MEMBER ACTIVITY OR RESPONSIBILITY	EXISTING ACTIVITIES /SUPPORTING (information/comments/ follow-up)			
	PLANNED							
		2022	2023					
POLICY AREA 1: FOSTERI	POLICY AREA 1: FOSTERING THE PARTNERSHIP AS A LEADING PLATFORM AND MAIN POINT OF CONTACT IN CARICOM (FOR GIRLS IN ICT ACTIVITIES)							
Build Partnerships and Platforms for	· ·	✓		CARICOM Secretariat	Broader cooperation framework and			
Cooperation	for Ministerial approval			Secretariat	policy, which can also support ICT trade and investment (offshore ICT etc.)			
	Develop an annual calendar	√		CARICOM				
	for Girls in ICT Day observance in CARICOM			Secretariat				
	Use of key international and	√	√	Steering				
	regional observances to			Committee				
	highlight issues (e.g., Girls in							

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	PLANNED				
		2022	2023		
	ICT day, Day of the Girl Child, International Teachers Day)				
Build innovative	Identify strategic partners	✓		Steering	Industry Groups, and Voluntary
partnerships with the	and determine			Committee	Initiatives
private sector,	methodology for				
secondary schools,	'attracting/engaging'				
vocational schools, and					
public institutions					
	Promote public, private, people collaboration to design and jointly deliver initiatives to address the skills that are needed	•		Steering Committee	
	Strengthen cooperation and exchange - Linking to regional and global partnerships and initiatives (for knowledge exchange +)	V		Steering Committee	UN Agencies (e.g., EQUALS Skills coalition)
	Develop a Compendium/register of partners and practitioners	√	V	Steering Committee	

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	PLANNED				
		2022	2023		
	active in STEM/STEAM ICT training				
	Convene Regional consultation(s) with Ministers and high-level policy makers to engender 'buy-in' for the plan and related issues	√		UNESCO	
	Build a calendar that collects event data from different entities and allows search, subscription services	√	V	Steering Committee	
	Support the development of on-line spaces and platforms (including partner websites) for sharing of information relevant to STEM/STEAM and ICT	V	V	Steering Committee	

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	PLANNED		1		
		2022	2023		
	Develop Project Proposal to	√	V	Steering	
	support activities and			Committee	
	resources identified in plan				
	(regional)				
	Development of a			UNICEF	
	Communication Plan for				
	CARICOM Girls in ICT				
	Produce quality assured		V	Steering	
	exemplars of effective and			Committee	
	highly effective practice and				
	case studies				
Monitoring and	Scope a set of actions for the		√	CARICOM	
Evaluation of the Action	review of progress and			Secretariat	
Plan	publish a review of progress				
	on the implementation of				
	the Action Plan				
	CINC ANADENESS ABOUT THE				C DECOLE INTO ICT CAREERS AND

POLICY AREA 2: RAISING AWARENESS ABOUT THE ISSUES RELATED TO BRINGING YOUNG PEOPLE INTO ICT CAREERS AND
SUPPORTING THEM AS DIGITAL CITIZENS

KEY ACTIONS / FOCUS ACTIVITY AREAS	IDENTIFIED ACTIONS/ INITIATIVES			STEERING COMMITTEE MEMBER ACTIVITY OR RESPONSIBILITY	EXISTING ACTIVITIES /SUPPORTING (information/comments/ follow-up)
	PLANNED				
		2022	2023		
Regional consultation(s) to brainstorm, highlight and document the issues: - Specific age groups and relevant interventions	Foster a Girls in ICT interschool's initiative			Steering Committee	
Raising Awareness: Webinars and online meetings/events	Awareness raising events for nursery, primary and post primary schools' leaders on key messages	√	V	Steering Committee	
	Host regional ICT competitions (essays, speech competitions and projects)		√	Steering Committee	Bahamas (FEMSTEM) Competitions can focus on development areas such the climate change / environment, ending violence against women and girls, economic empowerment
	Competitions (video contest, digital art poster	√	✓	Steering Committee	

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	PLANNED				
		2022	2023		
	competition, logo competition)				
	Host Strategic Digital dialogue with (1) Teachers/parents, (2) Academia and (3) Employers, Private sector, labour officials	V	~	Steering Committee	
	Open public consultations	V	V	Steering Committee	
	Hearing from CARICOM Youth: Girls Speak Tech; Boys speak Tech2; Digital citizenship issues; Cybersecurity	V	V	Steering Committee	Youth Development Programme of the CARICOM Secretariat (contribution and participation of the CYAs)
	Use opportunity of observances (key international and regional) to highlight issues:	√	V	Steering Committee; Member States	List of observances are at Appendix 2
	 Focus on Youth and Careers; preparing 		V	CYAs	

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	PLANNED				
		2022	2023		
	for a STEAM centred workplace				
	- Regional Hackathon	√		CANTO	
	- Focus on Teachers	√		CPCE	International Teachers day – 5 October)
	- Focus on Academia		✓ 1 st Quart er	UG, UWI	
	 Participation of regional teams in CS50x Puzzle day (Harvard University activity) 	V	V	UG, UWI	UG's TechEd Revolution club has participated in CS50x Puzzle day from 2018-2020
Career Identification	Development of a Career Alphabet (colouring books, online games, printed alphabet, videos); career wheel, career paths		V	UNICEF/UNESCO (TBC)	EXAMPLES: Social media manager, Airbnb host, influencer, app developer, Uber driver, driverless car engineer, podcast producer and drone operator
	Identification of a core list of ICT careers (existing/new) and career paths	V		Steering Committee	

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	PLANNED		1		
		2022	2023		
	Regional Study on appetite for new careers in ICT, STEM, STEAM; socioeconomic and gender disparities in ICT and STEM across the region			UN WOMEN; UNICEF	
	Competitions to encourage girls to choose careers in ICT		V	GAN	
	Linking and supporting campaigns to recognize women's work in STEM fields	V	V	Steering Committee	
	Partner with local businesses to host ICT career day		V	Bahamas (Department of Transformation and Digitization)	
Online campaign to promote technology for	Develop an online campaign (as part of the Communications Plan) and	√	√	UNICEF	Generation Unlimited Initiative; Rights of the Child youth ambassadors

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	PLANNED				
		2022	2023		
development in and out of school children	which will involve youth from other programmes and initiatives in the development of the career alphabet				
Development of Fact Sheets	Develop 1-2-page fact sheets related to the activities and policy areas in this Plan	V	√	Steering Committee	
Supporting collection /development of data to support roll-out of Programmes	Conduct a Regional study; Information from tertiary institutions; Information from Ministries of Education, ICT, Youth		V	Steering Committee; Member States	
	Develop a Contact Database of regional role models, mentors, facilitators:	V	V	CARICOM Secretariat	
Positive role modeling and Mentoring	Source or commission profiles on women or young	V	V	Steering Committee	

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	PLANNED				
		2022	2023		
	female students in STEM, STEAM, in different formats				
	Identify possible role models/mentors and form the following initiatives: Women in STEM/STEAM/ICT Series; Technology Enabled Girl Ambassadors	V		Steering Committee	Silicon caribe Top 50 women in Tech
Promoting Sustainability	Support the re-engagement of retired teachers as Mentors; and promote the use of libraries;	V	~	Steering Committee	
	Promote online communities of practice; and access to and use of open/free educational resources	V	V	Steering Committee	
	Policy development			Steering Committee	

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	PLANNED				
		2022	2023		
	Make recommendations for online/distance learning in primary & secondary education	V	•	Steering Committee; Member States	
	Support schools in their engagement with parents/guardians with regard to the use of digital technologies to support teaching, learning and assessment and responsible use of the internet	V	✓	Steering Committee; Member States	
	Continued collaboration with the University of Guyana Institute of Gender Studies in the development of sustainable Projects (Jan – Dec)	√		WGEC	Private Sector, Ministries, Embassies, UG
	Support related research & innovation activities	√	V	Steering Committee	

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	PLANNED				
		2022	2023		
	Support Digital Education Content Framework (to be developed by the Digital skills taskforce)	✓	V	Steering Committee	
Implementation of non- formal ICT training courses in cooperation with local non- governmental organizations to enhance IT literacy particularly among girls and young women	Internship programs for students and teachers especially females			Steering Committee	Students already do job shadowing so more emphasis can be placed on giving opportunities to gain hands-on knowledge and experience through training in work environments that focus on ICT
Promoting ICT among girls (Ages 11-18 - Concentration in Secondary Schools)	Cross- curriculum integration of ICT in all subjects; Use ICT in all subject areas not just for learning but also in learning	√		Ministry of Education- Grenada	E.g., Creating social media promotions for a F&N project, creating podcasts for English B lessons, Creating a virtual display for visual arts, etc.
Building competences & mindsets; educating on	Career day where women in ICT are featured	√		Ministry of Education- Grenada	Girls can be assigned to an organisation or person that is engaged in an aspect of ICT that they

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	PLANNED				
		2022	2023		
careers Collaborative/c ompetitive projects that involves girls using ICT					are interested in (Coding, Gaming, AI, Robotics, etc.)
	Organise and participate in events that promote girls' usage of ICT	V	V	Ministry o Education- Grenada	Girls Hack is an example. However, to eliminate gender bias a general hack can be organised but ensure that boys and girls are equitably represented
	Formation of Tech Clubs	√	√	Ministry o Education- Grenada	Emphasis on the involvement of girls in those Tech clubs
	BE-STREAMING project	V	V	Ministry o Education, Suriname	Each BE-STREAMING School kit will consist of activities, lesson materials, manuals, and guides with complete instruction on an integrated STREAM curriculum that will incorporate research-based and project-based learning to enhance pedagogical practices of teachers and improve student learning. All the activities will

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	PLANNED				
		2022	2023		
					be aligned to the Suriname learning outcomes with enhancements. The learning materials that will be developed as a part of this work will be used in the after-school activities along with suitable pre-assessment and post-assessments. Specific learning resources will include: • Hands-on teaching and learning activities in each of the strands S (Science), T (Technology), R (Reading), E (Engineering), A (Arts), M (Mathematics) • A project-based learning activity tool • Online E-learning modules Access • Learning by doing activities • Postcards and Quizlet cards with lessons

KEY ACTIONS / FOCUS ACTIVITY AREAS	IDENTIFIED ACTIONS/ INITIATIVES			STEERING COMMITTEE MEMBER ACTIVITY OR RESPONSIBILITY	EXISTING ACTIVITIES /SUPPORTING (information/comments/ follow-up)
	PLANNED				
		2022	2023		
					 Project-based integrated lesson plans and lesson overview for teachers
					Critical Thinking and Creativity building activities
POLICY AREA	3: SUPPORTING MORE LINKING	G OF ICT,	STEM AN	D ARTS (STEAM) RE	GIONALLY
Support elements of a	Support the conduct of		/	CPCE;	Increased teachers' recognition of the
STEAM	teacher professional			Member States	initiative; Increased teacher
'strategy'/approach	development courses in training college and as a graduate teacher (STEM and STEAM)				confidence
	Engage or identify arts	V	V	Steering	
	integration specialists to support the STEAM approach in schools			Committee	
	Support the inclusion of	√	V	Steering	Focus on collaboration, creativity,
	learning activities which			Committee	communication

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	PLANNED				
		2022	2023		
	integrate knowledge and skills into the curriculum Linking STEAM and special		V	Steering	
	Education			Committee	
	Provide teacher and student incentives for collaborative/competitive projects which involves girls using STEAM		V	Steering Committee	
	Promote and encourage STEAM in and outside of the classroom (e.g. in after- school initiatives)		V	Steering Committee; Member States	(e.g. translate some of these STEAM career fields into actual jobs students can do in the classroom)
	Link with research components for school-based examinations and SBA (CXC)		✓	СХС	
Competitions or invited submissions – writing, art, spoken words on "Why Girls must Connect	Support the implementation of awareness and image campaigns such as Digital			Steering Committee	Coding competitions are performance related (skill demonstration, measurable outcomes);

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	PLANNED				
		2022	2023		
with Digital Opportunities"	Skills, Mobile Storytelling and Citizen Journalism, Data Privacy, and Cyber Security Hackathons (T&T)	✓May		UWI	Awareness competitions are more reflective (writing, illustrations, active speaking) Digicel Girls Power Tech (in May 2021) Main goals: inspire young girls (secondary school) to pursue careers in STEM through hands-on exposure to the latest technology and engagement with industry professionals. Two-day event with presentations, team competition, panel, industry booths; This is being done by Digicel Trinidad and Tobago Foundation, Digicel Business Solutions, CISCO

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	PLANNED				
		2022	2023		
	Hackathons (Guyana)	\	~	Guyana	Office of Prime Minister Yearly National Hackathons; Nexus Hub Inc. Partnership with IDB
Multidisciplinary Awareness	Digital Influencers in STEAM		V	Steering Committee	
	Digital influencers in Fashion, Beauty Shops		√	Steering Committee	
	Short Training/ Workshops/ Programs/ Courses (Teacher Opportunities)		V	Steering Committee	
Improve the employability of young women, at-risk youth, and persons with disabilities	Short Training/ Workshops/Programs/ Courses (At-risk Youth Opportunities, Disabled youth)	V	V	UG	UG and Avasant Foundation partnership: 1) To offer Avasant's Digital Skills training programme to young adults between the ages of 18- 28, whereby 50% will be female candidates. The

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	PLANNED				
		2022	2023		
					MOU will expire by July 30, 2023 . The total number of students shall be 150-200. 2) The agreement stipulates that UG should train about 150 at-risk students, 18 – 30 years old, in the areas of Digital/Data Literacy, Data Management, Data Visualization, Data Integration and Big Data Analytics. Other spin-off benefits include mentorship of all participants and job placement for at least 20% of the participants. Training of the first two groups (80 in total) commenced in March 2021.
Digital Opportunity	Develop an apprenticeship		V	UWI	UWI, St. Augustine Department of
traineeships:	and internship programme for girls according to their areas of interest in STEM/ICT;				Computing and Information Technology Internship Course

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	PLANNED							
		2022	2023					
To enhance ICT capacity and awareness in the education link system in partnership with industry	Programmes for Partners to Offer Services (as Employers) Implement innovative Professional orientation formats with the private sector to encourage secondary school girls to choose a career in ICT			Steering Committee				
POLICY AREA 4: INTEGRATING ICT AND STEM INTO A BROADER CURRICULUM								
Consultations (ICT, Computing, STEM) into curriculum	Partner with local ICT/STEM Training Institutions, programmes and nonprofit organizations to incorporate ICT curriculum in activities;		V	Bahamas (Department of Transformation and Digitization);	Suriname Basic Education Improvement Program II (BEIP II, InterAmerican Development Bank funding) project;			

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	PLANNED				
		2022	2023		
Development of Policy / Guidelines / Strategy	Promotion of ICT and STEM into other sectors such as energy, and agriculture at learning institutions Develop common guidelines for teachers and educational staff to foster	V	~	Suriname (Ministry of Education, Science and Culture) Steering Committee UNICEF	Suriname (Ministry of Labor, Employment and Youth Affairs) Coach training will be provided to young people – age group 16-24 years
	digital literacy and tackle disinformation through education and training; Ethical guidelines on artificial intelligence (AI) and data usage in teaching and learning				

KEY ACTIONS / FOCUS ACTIVITY AREAS	IDENTIFIED ACTIONS/ INITIATIVES			STEERING COMMITTEE MEMBER ACTIVITY OR RESPONSIBILITY	EXISTING ACTIVITIES /SUPPORTING (information/comments/ follow-up)
	PLANNED				
		2022	2023		
	Develop Curriculum planning toolkit		V	Steering Committee	
	Develop policies/guidelines for digital citizenship netiquette child online protection gender equality in the workforce		·	Steering Committee	
Produce reports on data collected that analyse, uncover trends, support claims	Data to support the activities: - Representation at primary level - Representation at secondary level - Representation at University level - Representation in Workforce			CARICOM Secretariat; Universities (UWI, UG); CXC; Member States (Ministries of Education)	Important findings on pass/fail rates, attrition, enrolment, graduation, methodologies, state of computing; UG and Slash Roots Foundation partnership - Caribbean School of Data

KEY ACTIONS / FOCUS ACTIVITY AREAS	IDENTIFIED ACTIONS/ INITIATIVES			STEERING COMMITTEE MEMBER ACTIVITY OR RESPONSIBILITY	EXISTING ACTIVITIES /SUPPORTING (information/comments/ follow-up)
	PLANNED				
		2022	2023		
	Collect data on: 1) Pass/fail rates (by subject), enrolment (by year, country) 2) Enrolment, attrition, graduation (by faculty, by department) 3) Primary school data (literacy rates, girls/boys, number of schools, resources, environment); 4) Job placements				
	Publication and presentation of research activities		✓	Universities	Examples of studies: multidisciplinary research (on the established infrastructures, structures, systems, and processes that inadvertently lead to systematic or systemic oppression of women in STEM/ICT/STEAM)

KEY ACTIONS / FOCUS ACTIVITY AREAS	IDENTIFIED ACTIONS/ INITIATIVES		STEERING COMMITTEE MEMBER ACTIVITY OR RESPONSIBILITY	EXISTING ACTIVITIES /SUPPORTING (information/comments/ follow-up)	
	PLANNED				
		2022	2023		
Establish Protocols to support STEM in the learning curriculum	Establish Protocols to support STEM in the learning curriculum: - development of protocols and guidelines for green and resilient school designs that increase learning spaces			UNICEF, UG	Data collected on trends in Primary School regions can inform observations of resource deficiencies. This policy may then be applied to those schools; Safe Schools Initiative standards; (Sep 2021 – Sep 2022; University of Guyana -The MST-Tree Model (Motivation, Support, Teaching) was created in 2018 Application of this model to the Guyanese Girls Code Initiative; University of Guyana STEM-Robotics curriculum to teach Special Needs Students; Application of the curriculum to Special Needs Schools • Pilot study was conducted in 2020

APPENDICES

APPENDIX 1 - ACRONYMS AND EXPLANATORY NOTES

ACRONYMS	EXPLANATORY NOTES	
CWIC	CARIBBEAN WOMEN IN ICT	
EQUALS SkillsCoalition	 Empowering women and girls to acquire skills to become both ICT users and creating the digital world and STEM fields; 	
	Contributes to the UN Sustainable Development Agenda through actions and	
	evidence-based research aimed at closing the global gender digital divide	
HRD STRATEGY – HUMAN	is intended to address general deficiencies and shortfalls in the education system by	
RESOURCE DEVELOPMENT	reforming/redesigning the three inter-connected sectors (basic education – early childhood	
STRATEGY 2030	development – primary and secondary; lifelong skills learning; and tertiary education) within a	
	single unified seamless HRD system in the areas of access, relevance, equity and quality.	
SDG	SUSTAINABLE DEVELOPMENT GOALS	
	 No Poverty: End poverty in all its forms everywhere 	
	Zero Hunger: End hunger, achieve food security and improved nutrition and promote sustainable agriculture	
	3. Good Health and Well-Being: Ensure healthy lives and promote well-being for all at all ages	
	 Quality Education: Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all 	
	Gender Equality: Achieve gender equality and empower all women and girls	
	 Clean Water and Sanitation: Ensure availability and sustainable management of water and sanitization for all 	
	 Affordable and Clean Energy: Ensure access to affordable, reliable, sustainable and modern energy for all 	

ACRONYMS	EXPLANATORY NOTES
	8. Decent Work and Economic Growth: Promote sustained, inclusive and sustainable
	economic growth, full and productive employment and decent work for all
	9. Industry, Innovation and Infrastructure: Build resilient infrastructure, promote
	inclusive and sustainable industrialization and foster innovation
	10. Reduced Inequalities: Reduce inequality in and among countries
	11. Sustainable Cities and Communities: Make cities and human settlements inclusive, safe, resilient and sustainable
	12. Responsible Consumption and Production: Ensure sustainable consumption and production patterns
	13. Climate Action: Take urgent action to combat climate change and its impact
	14. Life Below Water: Conserve and sustainably use the oceans, seas and marine resources for sustainable development
	15. Life on Land: Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss
	16. Peace, Justice and Strong Institutions: Promote peaceful and inclusive societies for sustainable development, provide access to justice for all and build effective, accountable and inclusive institutions at all levels
	17. <i>Partnerships for the Goals</i> : Strengthen the means of implementation and revitalize the global partnership for sustainable development
SINGLE ICT SPACE	to provide the ICT-enabled foundation for enhancing both CARICOM's functional cooperation and
OBJECTIVE	fulfilling the social, cultural and economic imperatives of the region.
	The Roadmap and Action Plan were approved by CARICOM Heads of Government in 2017.
WSIS	WORLD SUMMIT ON INFORMATION SOCIETY PLAN OF ACTION

ACRONYMS	EXPLANATORY NOTES	
	The objectives of the WSIS were to develop and foster a clear statement of political will and take concrete steps to establish the foundations for an Information Society for all, reflecting all the different interests at stake; and to put Geneva's Plan of Action into motion as well as to find solutions and reach agreements in the fields of Internet governance, financing mechanisms, and follow-up and implementation of the Geneva and Tunis documents (https://www.itu.int/net/wsis/basic/about.html)	
WSIS PLAN OF ACTION – ACTION LINES	 The role of public governance authorities and all stakeholders in the promotion of ICTs for development Information and communication infrastructure Access to information and knowledge Capacity building Building confidence and security in the use of ICTs Enabling environment ICT applications Cultural diversity and identity, linguistic diversity and local content Media Ethical dimensions of the Information Society International and regional cooperation 	

APPENDIX 2 - LIST OF OBSERVANCES

Date	Observance	
24 Jan	International Day of Education	
Feb (2 nd Tuesday)	Safer Internet Day	
11 Feb	International Day of Women & Girls in Science	
8 Mar	International Women's Day	
Apr (4 th Thursday)	International Girls in ICT Day	
17 May	World Telecommunication and Information Society Day	
15 Jul	World Youth Skills Day	
12 Aug	International Youth Day	
28 Sep	International Day for Universal Access to Information	
1-31 Oct	Cyber Security Awareness month	
5 Oct	World Teachers' Day	
11 Oct	International Day of the Girl Child	

Date	Observance
15 Oct	CARICOM Statistics Day
20 Nov	Universal/world Children's Day
3 Dec	International Day of Persons with Disabilities