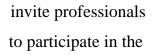**MASHAV - Israel's Agency for International Development Cooperation**

with

The MASHAV Educational Training Center in cooperation with The Fund for Innovative Education

STATE OF ISRAEL

invite professionals

to participate in the

On Line Webinar:

Computational Thinking in Education
The New Normal Time

5 online meeting between

13 of August to 10 of September, 2020

About the Course

Background

We live in the Digital Age where we spend long hours in front of the screens as technology consumers. Students usually learn how to apply technologies, rather than learning how to develop technologies. Application development activity enters the education system because it enriches the learning experience, allows students to be active learners, to explore cause and effect and analyze how their actions or the actions of others affect a given situation, increases the learner satisfaction and set up students for long-term success.

Through software development, the students learn the set of "computational thinking" that helps them to develop skills important not only for STEAM subjects, but also across the social sciences and language arts, which deals with reasoning, problem solving and relies on computer science.

The OECD in its "Future of Education in 2030" document defines the learning skills needed to introduce in schools to prepare students for the future adult world. In this context, Computational Thinking –CT was recently defined as a set of the most important and complex skills to learn, that is not yet taught in schools.

The course will develop the teacher's sense of ability to lead lessons that combine app development and commissioning the acquisition of computational thinking skills into their own classroom content, teaching practice, learning, and how to incorporate CT into the curricula.

Objectives

- Familiarity with the content of computational thinking.
- Diagnosis of the educational arena during the crisis and focus on the need to respond.
- Initial development of innovative action in response to a defined need.

Audience

The focus of the course is learning what computational thinking is and to introduce this set of skills in their educational programs.

This online course is design for ICT Educators, Coordinators in ICT Education Departments, Computer labs Coordinators, with basics skills in ICT, Educational Supervisors, Educational Trainers and Leading Teachers.

Course Structure

The webinar will include 5 sessions of two-hours with a variety of activities including: conferences, presentations through videos and discussions that allow the participants to experiment educational initiatives in the field.

Training phase	Date	Time	Duration	Main Topics
Meeting 1	13.08	11.00-13.00	2.00	Opening Ceremony and Introduction to Computational thinking
Meeting 2	20.08	11.00-13.00	2.00	Development of a first application and demonstration of decomposition skill
Meeting 3	27.08	11.00-13.00	2.00	Development of a second application and demonstration of pattern recognition
Meeting 4	03.09	11.00-13.00	2.00	Practicing Algorithm Design
Meeting 5	10.09	11.00-13.00	2.00	Project Presentation and Closing Ceremony

*The course will be accompanied by a Learning Management System where tasks and material will be shared between meetings.

***Application forms are annexed to this mail. You can also get it at the closest Embassy of Israel

About MASHAV

MASHAV – Israel's Agency for International Development Cooperation is dedicated to providing developing countries with the best of Israel's experience in development and planning. As a member of the family of nations, The State of Israel is committed to fulfilling its responsibility to contribute to the fight against poverty and to the global efforts to achieve sustainable development. MASHAV, representing Israel and its people, focuses its efforts on capacity building, sharing relevant expertise accumulated during Israel's own development experience to empower governments, communities and individuals to improve their own lives.

MASHAV's approach is to ensure social, economic and environmental sustainable development, and is taking active part in the international community's process of shaping the Post-2015 Agenda, to define the new set of the global Sustainable Development Goals (SDGs).

MASHAV's activities focus primarily on areas in which Israel has a competitive advantage, including agriculture and rural development; water resources management; entrepreneurship and innovation; community development; medicine and public health, empowerment of women and education. Professional programs are based on a "train the trainers" approach to institutional and human capacity building, and are conducted both in Israel and abroad. Project development is supported by the seconding of short and long-term experts, as well as on-site interventions. Since its establishment, MASHAV has promoted the centrality of human resource enrichment and institutional capacity building in the development process – an approach which has attained global consensus.

http://mashav.mfa.gov.il https://www.facebook.com/MASHAVisrael

About the A. Ofri International Training Center

The A. Ofri International Training Center was established in 1989 as a professional extension of MASHAV - Israel's Agency for International Development Cooperation. The activities are targeted to meet the Millennium Development Sustainable Goals-SDGS set by the United Nations to be fulfilled by the year 2030.

The Center's vision is that education is the starting point for a person to build himself/herself a gate to new possibilities. Education is the key to a better future and shields against physical harm and confronts moral dilemmas. Education enables us to ask for proper healthcare when needed, and the way to stay healthy and adopt responsible behavior with our bodies. Education is sharing, learning and growing up together with others. Through education we can learn to take better care of our world, treat it respectfully and use wisely the resources it offers us.

Education concerns itself with learning at all levels, from elementary and secondary school through adult education, and provides knowledge and training for basic skills development, civic awareness, community education, education for special populations, treatment for youth (Including those at risk), youth integration, youth leadership, education for health and the prevention of drugs abuse.

Since its inception, the A. Ofri Center has trained thousands of professionals from countries throughout the world. The Center cooperates with senior staff in the Israeli Ministry of Education, academic experts, governmental organizations and non-governmental organizations. In addition, it communicates and cooperates with key international organizations such as UNESCO, OECD, USAID, UNODC, OAS, IOM and the World Bank.

In adopting the UN's Millennium Development Goals, the A. Ofri Center contributes to the sustainable development of human resources internationally, based on knowledge and experience accumulated in Israel.

For further information, please contact:

The A. Ofri International Training Center**:**

    Website: www.ofri.org.il