

## United Nations Development Programme



### United Nations Development Programme

Country: Republic of Serbia

#### Annual Work Plan 2022

<b>Project Title:</b>	Building the critical computer skills for the future ready workforce
<b>UNDAF</b>	
<b>Outcome(s):</b>	Equitable economic and employment opportunities are promoted through innovation and circularity
<b>Expected Output(s):</b> <i>(Those that will result from the project and extracted from the CPD)</i>	Innovation ecosystem, sustainable business and investment improved Women and men have better access to social services and greater learning, work and career opportunities (GEN2)
<b>Implementing Partner:</b>	Ministry of Education, Science and Technological Development
<b>Responsible Parties:</b>	Ministry of Education, Science and Technological Development

#### Brief Description

The project objective is to prepare the future-ready workforce by way of enhancing digital and computer skills. Future jobs will require workforce which will be prepared for continuous professional development and fast adaptation to changes. To achieve this the prerequisite is continuous skills development, and in particular the computer skills development. Against this backdrop the advancement of existing and creation of new open educational resources for IT and computer science learning, enhancement of the existing learning platform capabilities, development of new tools for content creation as a set of open-code software products, as well as enhancement of digital skills in general among young people through informal STE(A)M education, are key activities required for the development of skills for the future-ready workforce. In addition, the project provides for support to gifted students in computer science, as well as organising and setting up challenges which will bring together interdisciplinary teams of both teachers and students. Particular emphasis will be placed on empowerment and motivation of female students to engage more in topics from STE(A)M areas. Moreover, an outreach campaign will provide for the visibility of project outputs with a particular emphasis on vulnerable groups, such as women and young people in less developed areas. These activities are conducive to a long-term transformation of access to IT education and investment in a more equitable and more agile workforce. Specifically, taking these steps will increase the percentage of young people with developed digital and computer skills, which in turn will step up the process of society's digital transformation, enhance employability in the fast-growing IT sector and stimulate economic growth.

This project is based on the 2020-2024 Strategy for Digital Skills Development in the Republic of Serbia, the Fundamentals of the Education System Act and the UN sustainable development goals (SDGs) 4 and 8. In addition, the project is based on the UNDP's 2021-2025 Country Programme Document (CPD) and UNDP's 2022-2025 Strategic Plan. The project complements the ongoing UNDP activities in the area of digital governance and challenges in the field of innovations.

Programme Period:	2022	Total resources required:	USD 596,176.67
Key Result Area (Strategic Plan):		Total allocated resources:	USD 596,176.67
Output 1: Increased level of digital and computer skills of students and teachers in formal -pre-university education through advancement of net.kabinet content, development of servers and tools as a set of open-code software products for IT and computer science learning and training. (GEN1)			
Output 2: Open educational resources for 4 vocational subjects in specialised IT classrooms at regular grammar schools are created and particularly talented students in computer science are supported. (GEN1)			
Output 3: Increased digital skills of young people through informal STE(A)M education. (GEN2)			


Output 4: Increased visibility and dissemination of project outputs with a particular emphasis on vulnerable target groups such as women and young people in less developed areas. (GEN2)

Government: USD 596,176.67

Atlas Award ID: 00136459  
Project ID: 00127352, 00129818, 00129825, 00129826  
Start date: 24 December 2021  
End Date: 30 April 2023  
LPAC Meeting Date: 9 December 2021  
Management Arrangements: NIM

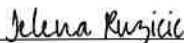
Unfunded budget:

11 March 2022

Agreed by  Ministry of Education, Science and Technological Development:

Agreed by UNDP:

DocuSigned by:



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11 March 2022

**I. ANNUAL WORK PLAN 2022**

EXPECTED OUTPUTS	PLANNED ACTIVITIES	TIMEFRAME				PLANNED BUDGET			
		Q1	Q2	Q3	Q4	Responsible Party	Funding Source	Budget Description	2022
<p><b>OUTPUT 1: Increased level of digital and computer skills of students and teachers in formal pre-university education through advancement of net.kabinet content, development of servers and tools as a set of open-code software products for IT and computer science learning and training of teachers.</b></p> <p><b>Indicators:</b></p> <ol style="list-style-type: none"> <li>Number of students who actively use materials in a managed learning environment, disaggregated by gender (on petija.org or school LMS) from the school year, 2021-2022</li> <li>Number of students who actively use materials in the self-paced learning environment on petija.org disaggregated by gender from the school year, 2021-2022</li> <li>Number of students who actively use materials integrated in the school LMS, disaggregated by gender</li> <li>Number of primary and secondary school teachers who have been trained in this project and whose competencies have been improved, disaggregated by gender</li> </ol> <p><b>Baseline:</b></p> <ol style="list-style-type: none"> <li>1.14,000</li> <li>2.6,000</li> <li>3.0</li> <li>4.0</li> </ol> <p><b>Targets for 2022:</b></p> <ol style="list-style-type: none"> <li>1.25,000</li> <li>2.15,000</li> <li>3.1,000</li> <li>4.1,500</li> </ol>	<p><b>1.1 activity result:</b> Digital skill on-line platform</p>	X	X	X	X	UNDP	GoS-MoEST	Company contracts	\$15,000.00
						UNDP	GoS-MoEST	Contractual services (individuals)	\$19,887.78
						Petija	GoS-MoEST	Contractual services (individuals)	\$169,753.00
						Petija	GoS-MoEST	Rent	\$12,000.00
						UNDP	GoS-MoEST	National Consultants	\$134,710.00
						UNDP	GoS-MoEST	Policy advice, backstopping and coordination	\$13,258.52

EXPECTED OUTPUTS	PLANNED ACTIVITIES	TIMEFRAME				PLANNED BUDGET			
		Q1	Q2	Q3	Q4	Responsible Party	Funding Source	Budget Description	2022
<b>OUTPUT 2: Open educational resources for 4 vocational subjects in specialised IT classrooms at regular grammar schools are created and particularly talented students in computer science are supported</b>  <b>Indicators:</b> 1. Created open educational resources for 4 domain subjects for specialised IT departments 2. Number of students involved in competition preparation activities and who had mentoring support  <b>Baseline:</b> 1. 0 2. 0  <b>Targets in 2022:</b> 1. 2 2. 100	<b>2.1 activity result:</b> Curricula and mentoring	X	X	X	X	Pelija	GoS-MoEST	Contractual services (individuals)	\$64,380.00
						UNDP	GoS-MoEST	Contractual services (individuals)	\$9,199.80
						Pelija	GoS-MoEST	Rent	\$12,000.00
						UNDP	GoS-MoEST	National consultants	\$61,950.00
						UNDP	GoS-MoEST	Policy advice, backstopping and coordination	\$6,133.20
					UNDP	GoS-MoEST	Trainings, workshops and conferences	\$15,000.00	

EXPECTED OUTPUTS	PLANNED ACTIVITIES	TIMEFRAME				PLANNED BUDGET			
		Q1	Q2	Q3	Q4	Responsible Party	Funding Source	Budget Description	2022
<b>OUTPUT 3: Increased digital skills of young people through informal STE(A)M education</b>  <b>Indicators:</b> 1. Number of successfully implemented STEM projects through the challenge 2. Number of male and female pupils who attended STEM workshops  <b>Baseline:</b> 1. 0 2. 0  <b>Targets in 2022:</b> 1. 20 2. 100	<b>3.1 activity result:</b> STE(A)M education	X	X	X	X	UNDP	GoS-MoEST	Contractual services (individuals)	\$1,584.00
						UNDP	GoS-MoEST	Innovation Awards	\$2,000.00
						UNDP	GoS-MoEST	National consultants	\$8,400.00
						UNDP	GoS-MoEST	Policy advice, backstopping and coordination	\$1,056.00
						UNDP	GoS-MoEST	Trainings, workshops and conferences	\$16,000.00

EXPECTED OUTPUTS	PLANNED ACTIVITIES <i>List activity results and associated actions</i>	TIMEFRAME				Responsible Party	PLANNED BUDGET	
		Q1	Q2	Q3	Q4		Funding Source	Budget Description
<p><i>And baseline, indicators including annual targets</i></p> <p><b>OUTPUT 4: Increased visibility and dissemination of project outputs with a particular emphasis on vulnerable target groups such as women and young people in less developed areas</b></p> <p><b>Indicators:</b> 1. Number of persons covered by the information campaign</p> <p><b>Baseline:</b> 1. 0</p> <p><b>Targets in 2022:</b> 1. 10,000</p>	<p><b>4.1 activity result:</b> Outreach campaign</p>	X	X	X	X	UNDP	GoS-MoEST	\$900.00
						UNDP	GoS-MoEST	\$5,000.00
						UNDP	GoS-MoEST	\$5,000.00
						UNDP	GoS-MoEST	\$600.00
						UNDP	GoS-MoEST	\$5,000.00
							<b>Subtotal Direct Project Costs</b>	<b>\$578,812.30</b>
							<b>General Management Services (3% for GoS, 8% for others)</b>	<b>\$17,364.37</b>
							<b>TOTAL PROJECT COST</b>	<b>\$596,176.67</b>