



BIP

Innovative Approach in Fostering
Algorithmic Thinking through
Educational ROBOTICS and Using 3D
Technology in Elementary Schools

Program Booklet



CONSTANTINE
THE PHILOSOPHER
UNIVERSITY FACULTY OF
IN NITRA CENTRAL EUROPEAN STUDIES

June 2, Monday

13:00 – 17:00

- Introduction
- Introductions of institutions and students
- Developing algorithmic thinking through robotics and coding at the age of 3–10

ON-SITE

June 9, Monday

11:00 – 12:30

Registration

12:30 – 13:00 (A–9)

Opening ceremony

13:00 – 14:30

Ice-breaking activities

14:45 – 16:15

workshop 1 + workshop 2

June 10, Tuesday

9:15 – 10:45

workshop 1 + workshop 2

11:00 – 12:30

workshop 3+ workshop 4

13:30 – 15:00

workshop 3+ workshop 4

15:00 – 18:00

Sightseeing in Nitra

- **Workshop 1:** Introduction to 3D modelling and 3D printing, development of spatial thinking – manipulation of physical and virtual models, development of problem-solving and critical thinking.
- **Workshop 2:** Using Ozobot robots in elementary schools
- **Workshop 3:** Design and interoperability of coding tasks in a BeeBot environment in kindergarten and elementary school
- **Workshop 4:** Using Lego robots in elementary schools

June 11, Wednesday

7:30 – 12:00

Visiting the Aurelium Experiential Science Centre in Bratislava

12:00 – 16:00

Sightseeing in Bratislava

18:00

Farewell Dinner in Nitra

June 12, Thursday

7:15 – 16:00

Visiting primary schools in Vozokany and Búč

16:00 – 18:00

Group work



June 13, Friday

8:00 – 10:00 (A-9)

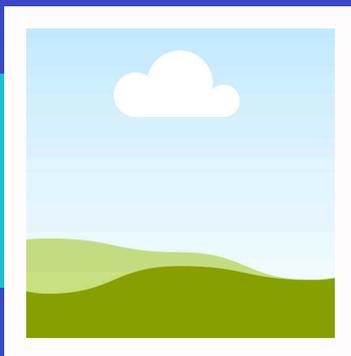
Students' presentations

10:00 – 12:00

Conclusions and award ceremony

LINK FOR ONLINE MEETING

<https://meet.ukf.sk/BIPFSS>



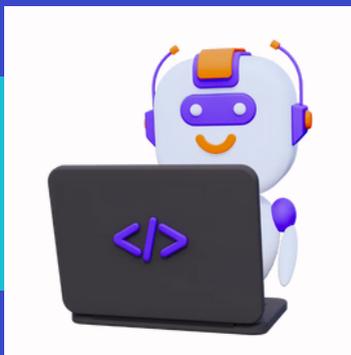
EVENT LOCATION

Faculty of Central European
Studies
Dražovská 4,
949 04 Nitra



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Thank you for being part of this
BIP PROGRAM!