

Programming Academy Program – Lead Trainer, Seavus Education and Development Center (SEDC)

1. BASIC PROJECT INFORMATION

Official Project Title	Programming Academy Program – Lead Trainer, Seavus Education and Development Center (SEDC)
Acronym / Short Name	SEDC Programming Academy / Lead Trainer Initiative
Programme / Funding Source	Seavus Education and Development Center (SEDC) – internal educational and professional development programme; no external grant source is specified
Duration	February 2020 – November 2020
Coordinator	Seavus Education and Development Center (SEDC), Skopje
Partner Institutions	SEDC Programming Academy, technical trainers and assistants, Seavus/industry experts and clients involved in practical software engineering activities

2. PARTICIPATION OF UNIVERSITY SKOPJE ACADEMIC STAFF

Name and Surname: Assistant Professor Dr Miodrag Cekikj

Academic Title: Assistant Professor

Role / Function in the Project: Lead Trainer

Specific Contribution to the Project

Conceptualisation, architecture and leadership of the technical education delivery framework within the Programming Academy. The responsibilities included standardising the teaching approach, supporting and upskilling technical trainers and assistants, organising semester “Train the Trainers” workshops and sharing good practices for knowledge transfer. In addition, the contribution focused on increasing the practical character of the programme through hands-on programming, industry scenarios and client-driven software engineering projects, as well as aligning learning outcomes with expectations and working practices in the software industry.

3. CONTENT AND ACHIEVED RESULTS

Brief Project Description

The Programming Academy Program at Seavus Education and Development Center was a framework for standardised and practically oriented technical education, aimed at improving teaching quality and reducing the gap between academic learning and industry expectations. During the period February–November 2020, as Lead Trainer, I led the initiative to improve teaching methodology, trainer development and the integration of hands-on and project-based learning. The programme included “Train the Trainers” activities, exchange of good practices, support for hybrid/remote delivery and work on practical software engineering tasks and projects. The goal was to create a more consistent student experience, a higher teaching standard and better preparation for real team-based and client software projects.

Key Results / Outputs

Standardised framework for technical teaching; semester “Train the Trainers” workshops; improvement of trainers’ and assistants’ competencies; introduction and strengthening of hands-on and project-based learning; better connection of teaching activities with real software engineering practices; support for hybrid and remote learning delivery.

Publications / DOI / Other Relevant Scientific Results

Professional/educational programme – not associated with a scientific DOI. The current successor to SEDC is Avenga Academy.

<https://avengaacademy.com/>

4. SIGNIFICANCE FOR THE FACULTY

Benefits for Students, Teaching and/or Research

The experience as Lead Trainer is directly applicable to academic teaching through structuring practical laboratory activities, project-based learning, mentoring and aligning learning outcomes with the real requirements of the IT industry. Train-the-trainer methods and standardisation of teaching delivery can be used to improve the quality and consistency of teaching, especially in technical subjects. In addition, experience with client and team software engineering scenarios creates a basis for more authentic student projects, simulations of real development processes and better preparation of students for professional work.

5. LINKS AND MULTIMEDIA MATERIALS

Official Website / Project Link: Avenga Academy (successor to Seavus Education and Development Center): <https://avengaacademy.com/>