

Project name	Redesigning Introductory Computer Programming Using Innovative Online Modules (RECOM)
Description	<p>Our effort focuses on <i>Computer Programming and Algorithms</i> lectures that is a core element for all engineering disciplines in this project. <i>Computer Programming and Algorithms</i> is a complicated course to teach and learn. It is now even more difficult on online platforms. Today, Industry 4.0 and 5.0 topics are emerging fields and have rising demand during the COVID-19 pandemic period. The increasing interest in artificial intelligence and machine learning applications is closely related to them. Under the current circumstances, online Computer Programming and Algorithms courses must be addressed with innovative solutions to support this level with well-educated professionals. In this project, teachers will be trained to overcome online education challenges while preparing adequate course materials that suit to common “<i>Computer Programming and Algorithms</i>” lectures. In this way, we design appropriate online teaching methods for this lecture and integrate them with online technologies to improve students' learning motivation and interest, maintain students' concentration and enhance students' learning. Our objective here is to develop a well-structured online teaching method for <i>Computer Programming and Algorithms</i> related courses. For this purpose, educators will get trained on online education pedagogies and didactics to face challenges with the lack of student satisfaction. Adaptation of online pedagogy and educational materials for this course will be one that emphasizes student-centered learning and employs active learning activities. These new course materials could be implemented for both online & hybrid educational systems. In particular, the project aims at persuading educators to amalgamate immersive technologies in online educational programs while developing their pedagogical knowledge to boost students' willingness to further involvement.</p>
 	
Project type	International
Project duration	2021-2023
Project Facebook page:	https://www.facebook.com/profile.php?id=100072970173457
Project coordinator	Yildiz Technical University , Istanbul, Turkey
Project coordinator for BFU	Assoc. Prof. Veselina Zhecheva , PhD
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