As. Dr. Ing. Al- Janabi Dahlia

Nr.crt.	Titlu lucrare	Scurta descriere	Cerinte	Nivel (licenta/master)
1	Offline Scoring System for Archery Competitions	The offline scoring system will connect to the online server through special data hubs to download specific shooting group and score it locally then sync the result with the online server after the competition is done.	Existing platform has been developed using (C#,Blazor, SignalR Core,Entity Framework Core with MsSql). Required: Mobile App that connects to the platform API	**Licenta**
2	Project Target Cam for Comptition Archers and Bow Hunters	A camera connected to a microcontroller to record video only and is fixed on special optical zoon 30X to get footage of the moment of an arrow impact on the target for youtube content creators	Raspberry pi micro controller, battery, small screen, sd card storage, webcam, 30X optical scope. Windows IOT: C#, Raspbien: Java or Python.	**Licenta**
3	Design and Implementation of UAVs Drone-based Food Delivery System Using Object Enhanced Time Petri Nets	Desing and Implementation of drones control system with client side mobile application to request a meal from the restaurant. Hardware: drone.	Implementation using Java and OETPN framework.	**Licenta**
4	Automatic Translation from UML to Object Enhanced Time Petri Nets and Vice Versa for Complex Data Structures Systems	Creating a tool that converts the UML diagrams into OETPN Design and Implementation.	Implementation using Java and OETPN framework.	**Licenta**
5	Development of Robots' Control and Monitoring System in a Warehouse Using Object Enhanced Time Petri Nets	Design and implement supervisor and control using OETPN. The user Controller works on a smart phone.	Implementation using Java and OETPN framework. The controller is implemented as mobile application.	**Licenta**

6	Development of Smart Home Remote Control and Monitoring Application Using Object Enhanced Time Petri Nets	Design and implement systems for a smart home like appliances, heating, and/or access control using OETPN.	Implementation using Java, OETPN framework, and Android application for the controller remote access. Microcontroller (Arduino or raspberry pi)	**Licenta**
7	Automatic warehouse palletizing using Object Enhanced Time Petri Nets	Create an OETPN tool for a robotic palletizer that can be used for modeling and analysis	Implementation using Java and OETPN framework.	**Licenta**
8	Design and Implementation of Agricultural Products Trackig system Based on Object Enhanced Time Petri Nets	Create an OETPN tool for the tracking system using block chain.	Implementation using Java and OETPN framework.	**Licenta**
9	Alte teme propuse de studentii			**Licenta**