As. Dr. Ing. Al- Janabi Dahlia

Nr.crt.	Titlu lucrare	Scurta descriere	Cerinte	Nivel (licenta/master)
1	Automatic Translation from Object Enhanced Time Petri Nets to UML	Creating a tool that converts the OETPN design into UML diagrams.	Implementation using Java and OETPN framework.	**Licenta**
2	Automatic Translation from UML to Object Enhanced Time Petri Nets for Database Systems	Creating a tool that converts the UML diagrams into OETPN Design and Implementation.	Implementation using Java and OETPN framework.	**Licenta**
3	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.	IOT and implementation using Java and OETPN framework. The controller is implemented as an Android application.	**Licenta**
4	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.	IOT and implementation using Java, OETPN framework, and Android application for the controller remote access.	**Licenta**
5	Development Of Smart Vehicle controller using Object Enhanced Time Petri Nets	OETPN and image processing to detect the traffic signs and the spaces between cars to avoid crashing	IOT and implementation using Java and OETPN framework	**Licenta**
6	Development of Train Conflict Prevention System using Object Enhanced Time Petri Nets	Create a system that analyses train schedules and control traffic lights to prevent accidents of trains crashes.	implementation using Java and OETPN framework.	**Licenta**
7	Object Enhanced Time Petri Nets Size and Complexity Code Estimation based on requirements Documents	Estimate the size and code of the OETPN based on the application specification.	implementation using Java and OETPN framework.	**Licenta**

8	Code Auto-Generation Tool from Requirements Documents to Object Enhanced Time Petri Nets Framework for Urban Vehicle Systems	Auto generating the OETPN design and implementation based on the requirements documents.	implementation using Java and OETPN framework.	**Licenta**
9	Alte teme propuse de studentii			**Licenta**