

DOBRA Mirela:

Nr.crt.	Titlu lucrare	Scurta descriere	Cerinte	Nivel (licenta/master)
1	Reduced code generation for data acquisition	Simulink Coder™ (formerly Real-Time Workshop®) generates and executes C and C++ code from Simulink® diagrams, code outside MATLAB and Simulink.	Medium knowledge of C/ C++	Licenta
2	Reduced code generation for data processing	Simulink Coder™ (formerly Real-Time Workshop®) generates and executes C and C++ code from Simulink® diagrams, code outside MATLAB and Simulink.	Medium knowledge of C/ C++	Licenta
3	Open and closed loop control of Electric drives with PMSM	Work with dsPICDEM™ MCLV-2 Development Board (Low Voltage)	Medium knowledge of C/ C++	Licenta
4	Interfață grafică pentru afișarea turației / poziției unui motor PMSM	Utilizarea kitului dsPICDEM™ MCLV-2 Development Board (Low Voltage)	Utilizator mediu de C/ C++	Licenta
5	Interfață grafică pentru afișarea turației / poziției unui motor BLDC	Utilizarea F28035 Piccolo Experimenter's Kit (http://www.ti.com/tool/TMDSDOCK28035)	Utilizator mediu de C/ C++	Licenta
6	Evaluarea performanțelor unui panou solar	Utilizare Solar Micro Inverter Development Kit (http://www.ti.com/tool/TMDSSOLARUINVKIT)	Utilizator avansat de C/ C++	Master
7	Gestionarea unei camera web	Pagina web	Programare HTML	Master
8	Ceas inteligent	EZ430-CHRONOS-433 - KIT DEV EZ430-CHRONOS WLESS WATCH WW (http://www.ti.com/lit/ug/slau29)	Utilizator avansat de C/ C++	Master

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9	Digital oscilloscope: low power implementation	Sampling techniques	Cunoștințe de electronică	Master
10	Design and real-time implementation of perturbation observer-based sliding-mode control for second order systems	Discrete time implementation	Observer design	Master
11	Modelling and simulation of essential oil extractors	Use of mathematical models for LTI systems	Utilizarea algoritmilor din Matlab dedicați modelării și simulării sistemelor LTI	Master
12	Interactive Learning Modules for Control	Matlab GUI offering access to specific parameters	State Observer Design	Master