

Titlu (original)	Titlu (in ro)	Nume profesor coordonator	Adresa de contact prof. coordonator	Nr. maxim de studenti per tema
Intelligent Head-mind controled system	Sistem inteligent de control mental	Goga Nicolae	n.goga@rug.nl	1-2
Psychological intelligent chatbot	Chatbot inteligent psihologic	Goga Nicolae	n.goga@rug.nl	1-2
Game with application in psychology	Jocuri cu aplicatii in psihologie	Goga Nicolae	n.goga@rug.nl	1-2
Intelligent system for track routing	Sistem inteligent pentru controlul rutelor camioanelor	Goga Nicolae	n.goga@rug.nl	1-2
Flexible electronic inventory for supporting educational ressources discovery	Inventar electronic flexibil pentru sprijinirea descoperirii resurselor educaționale	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	Stanciu Mihaela Miruna
AcademicCareer Path Profiling System based on Advanced Data Analytics and Semantic Computing	Sistem de profil de carieră bazat pe analize avansate de date și calcul semantic	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	Brebenel Robert-Petru
Platform for Cultural Heritage Preservation	Platforma pentru conservarea patrimoniului cultural	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	Voicu-Popescu Frederico James
Increasing Visibility of Cultural Objects by using Modern ICT Tools	Creșterea vizibilității obiectelor culturale prin utilizarea instrumentelor TIC moderne	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Academic Curriculum Comparison Tool using Ontologies – web-based application	Instrument de comparare a curriculumului academic folosind ontologii - aplicație web	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Decision-Support System based on AI/ Machine learning – web-based or desktop-based or Unity 3D-based application	Sistem de asistare a deciziilor bazat pe AI / Machine learning - aplicație web sau desktop sau Unity 3D	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Smart Waste Sorter Prototype based on Computer Vision	Prototip inteligent de sortare a deșeurilor bazat pe viziunea computerizată	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Experiential/ Game-based Learning Instrument using VR/AR – Unity (e.g. driving)	Instrument de învățare experiențială / bazată pe joc folosind VR / AR - Unity (de ex. sofă)	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Evaluation of open questions	Evaluarea întrebărilor deschise	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Data fusion tool for analyzing a person's profile	Instrument de fuziune a datelor pentru analiza profilului unei persoane	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Advanced Text Processor - Tool to transform unstructured text to structured text (and store it into a triplestore)	Procesor avansat de text - Instrument pentru transformarea textului nestructurat în text structurat (și stocarea acestuia într-un triplestore)	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Training system based on virtual reality and conversational agents (for a certain domain)	Sistem de instruire bazat pe realitate virtuală și agenți de conversație (pentru un anumit domeniu)	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Intelligent team building tool for innovative projects – web-based or desktop application	Instrument inteligent de team building pentru proiecte inovative - aplicații web sau desktop	DASCALU Maria-Iuliana	maria.dascalu@upb.ro	1
Online booking platform for events	Platformă de rezervare online pentru evenimente	Dan Alexandru Mitrea	alexandru.mitrea@upb.ro	1
Web Application for locating COVID-19 infections in Romania	Aplicație web pentru localizarea infecțiilor COVID-19 în România	Dan Alexandru Mitrea	alexandru.mitrea@upb.ro	1
Application for the map of archeological sites	Aplicație pentru harta siturilor arheologice	Dan Alexandru Mitrea	alexandru.mitrea@upb.ro	1
Comparative evaluation of virtual machine performance	Evaluarea comparativa performante masini virtuale	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
GIS centralized web application	Aplicație web centralizată GIS	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Computer network laboratory platform	Platforma laborator rețele calculatoare	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Virtual lab for operating systems	Lab virtual pentru sisteme de operare	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Virtual security solutions lab	Lab virtual soluții de securitate	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
IPSEC VPN lab platform	Platforma laborator VPN IPSEC	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2

SSL VPN lab platform	Platforma laborator VPN SSL	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Integrated GPS position reporting with GIS map	Raportare integrata a pozitiei GPS cu harta GIS	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Smart GIS map with coordinate conversion	Harta inteligenta GIS cu conversie de coordonate	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Car fleet monitoring with GIS representation	Monitorizarea flotei auto cu reprezentare GIS	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
IT&C security: best practices for high level data forensics	Securitate IT&C: cele mai bune practici pentru investig datelor la nivel înalt	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Image comparison tools aggregation for forensic investigation	Compararea imaginilor in cadrul investigațiilor criminal	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
Tools aggregation for WiFi security checking	Agregarea instrumentelor pentru verificarea securității WiFi	Constantin Viorel MARIAN	constantinvmarian@gmail.com	1-2
MicroPython apps.	MicroPython / IOT	Pavaloiu Bujor	klingo_w@yahoo.com	Ion Ana-Maria
Digital Signal Processing Applications (Audio, Medical, etc...) in Matlab on PC	Procesare de semnal	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Digital Signal Processing Applications (Audio, Medical, etc...) in Python using Raspberry Pi	Procesare de semnal / IOT	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Digital Signal Processing Applications (Audio, Medical, etc...) in microPython using ESP32 or ESP8266	Procesare de semnal / IOT	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Image Processing Applications (Compression, Denoising, Medical, etc.) in Matlab or Python on PC	Procesare de imagine	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Image Processing Applications (Compression, Denoising, Medical, etc.) using Raspberry Pi and OpenCV (in Python)	Procesare de imagine / IOT	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Image Processing Applications (Recognition, Medical, etc.) on PC using ESP32 for video acquisition	Procesare de imagine / IOT	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Machine/Deep Learning Applications (in Python or Matlab) Ex: Plant Recognition from Photos Person Recognition from Photos	Aplicatii folosind Deep Learning	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Deep Learning on Raspberry Pi with Coral Edge TPU	Deep Learning in IOT	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Virtual Reality Applications & Games in Unity, esp. Serious Games Ex: Driving in a City Simulation for Dentistry, Sculpture (including Oculus, Kinect, Leap Motion, Haptic Devices)	Aplicatii VR in Unity	Pavaloiu Bujor	klingo_w@yahoo.com	Max 2 per ap.
Web Crawler and Study of the Romanian Blogosphere	Studiul blogosferei din Romania	Pavaloiu Bujor	klingo_w@yahoo.com	Max 2 per ap.
3D Reconstruction using Turntable, Web Camera and Structured Light	Reconstructzia 3D a unui obiect folosind lumina structurata	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
3D Reconstruction using Turntable, Web Camera and laser grid	Reconstructzia 3D a unui obiect folosind laser grid	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
3D Reconstruction using laser distance sensor	Reconstructzia 3D a unui obiect folosind senzor de distanta laser	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Humanoid 3D Printed Robot Bust	Bust de robot umanoid printat 3D	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Mobile Robots - any kinds (flying, crawling, crawling on water, jumping, gliding, Sun powered RC cars	Robotzi de toate soiurile Mashinute autonome Mashinutze alimentate solar	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Small moving humanoid like robot with 15-18 servos	Mobot mobil cu multe servo-uri	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
GPS guided RC type truck	Mashinutza cu GPS	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.

Autonomous RC Cars operation Ex: Parking, Holding the lane, Deep Learning Using Raspberry Pi zero W or similar	Masinite autonome	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Driving RC Cars, including telemetry	Conducerea modelelor auto, incluzand telemetrie (tip drona)	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Traffic Lights Optimization in a Smart City	Optimizarea semafoarelor intr-un oras inteligent	Pavaloiu Bujor	klingo_w@yahoo.com	Max 2 per ap.
Logistic Optimization for a Transport Fleet	Optimizarea logisticii pentru o flota de transport	Pavaloiu Bujor	klingo_w@yahoo.com	Max 3 per ap.
Deep Learning - Detection of cars in images, Car type classification	Deep Learning - Detectarea masinilor in imagini, clasificarea tipului de masina	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Deep Learning - Sentiment Analysis from text	Învățare profundă - Analiza sentimentelor din text	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Deep Learning - Sentiment Analysis from images	Învățare profundă - Analiza sentimentelor din imagini	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Deep Learning - Sentiment Analysis from video	Învățare profundă - Analiza sentimentelor din video	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Games in PyGame	Jocuri in Pygame	Pavaloiu Bujor	klingo_w@yahoo.com	1 per ap.
Indoor positioning system	Sistem de pozitionare in interiorul cladirilor	Vasileanu Andrei	andraevs@gmail.com	1 per ap.
Frailty detection using smart bracelets	Detectarea fragilitatii folosind bratari inteligente	Vasileanu Andrei	andraevs@gmail.com	1 per ap.
Vehicle Fleet routing	Logistica inteligenta	Vasileanu Andrei	andraevs@gmail.com	1 per ap.
Software agent organizations	Organizatii de agenti software	Vasileanu Andrei	andraevs@gmail.com	1 per ap.
Software development competency testing	Testarea competentelor de dezvoltare software	Vasileanu Andrei	andraevs@gmail.com	1 per ap.
Securing IoT applications using Blockchain	Securizarea aplicatiilor IoT folosind Blockchain	Vasileanu Andrei	andraevs@gmail.com	1 per ap.
Software architecture testing	Testarea arhitecturilor software	Vasileanu Andrei	andraevs@gmail.com	1 per ap.