

**Available 4990 projects for students starting in F22**

PROJ NO.	PROJ GROUP	TITLE	SUPERVISOR	No. of Students
1	B	Location-based reminder Mobile App	Dr. Abusitta	1-3 students
2	B	Mobile App for Car Washing Service	Dr. Abusitta	1-2 students
3	B	Mobile App for Snow Removal Service	Dr. Abusitta	1-2 students
4	B	Mobile App for Grass Cutting Service	Dr. Abusitta	1-2 students
5	A	Database System for Stocks/Portfolio Management	Dr. Ahmad	2-3 students
6	A	Excel based Stock Data Compilation & Visualization	Dr. Ahmad	1-2 students
7	A	Interactive JPEG Encoding	Dr. Ahmad	2 students
8	A	Analyzing the Verify app	Dr. Alhadidi	2-4 students
9	B	Text to HTML Generator App using Django	Dr. Al Mamoori	3-4 students
10	A	Guarding cities with cameras	Dr. Biniaz	2-3 students
11	A	Biplanar drawing of the complete graph with 12 vertices	Dr. Biniaz	1 student
12	A	Vision-Based Obstacle Detection	Dr. Boufama	4 students
13	A	Design and Implementation of Seek in Video Player	Dr. Chen	1-3 students
14	A	Working with big graphs	Dr. Chen	2-3 students
15	A	R-Drop regularization for Tabular Data	Dr. Gras	2-3 students
16	A	Secure Communication for connected/autonomous vehicles	Dr. Jaekel	1-4 students
17	B	Signature Database Updating for Antivirus Engine ClamAV	Dr. Jiang	2-3 students
18	B	Containers network security	Dr. Jiang	2-3 students
19	A	Social Network Analytic and Information Retrieval for Intelligent Decision Systems	Dr. Kobti	
20	A	Virtual Reality Cave Emulator	Dr. Kobti	3-5 students
21	A	Tackling Child Poverty using Social Network Analysis and Multi-Agent Simulations	Dr. Kobti	2-3 students
22	A	PicoCluster, a super computer in a box	Dr. Kobti	1-2 students
23	A	Mobile App platform for non-profit organizations	Dr. Kobti	2-3 students
24	A	Vectorization of Online Social Networks for Deep Machine Learning	Dr. Lu	1-2 students
25	A	Capture Word Semantics in Natural Language using Neural Network Algorithms	Dr. Lu	1-2 students
26	B	Designing a blockchain-based algorithm for the verification of students and staff members documents	Dr. Mir	1-3 students
27	A	Web application to store and retrieve profile data in/from database	Dr. Moradian Zadeh	1-2 students
28	A	Data visualization tool	Dr. Moradian Zadeh	1-2 students
29	A	Messaging, file transfer and VOIP service	Dr. Moradian Zadeh	1-2 students
30	A	Develop a mobile app for personal safety	Dr. Moradian Zadeh	1-2 students
31	A	Interactive web interface for graph generation algorithms	Dr. Mukhopadhyay	1-3 students
32	A	Edge switchings for rewiring graphs	Dr. Mukhopadhyay	1-3 students
33	B	Frequent Itemset Mining in a Hadoop cluster using MapReduce	Dr. Ranga	1-2 students
34	B	Market Basket Analysis and Classification using K-Means Clustering Techniques	Dr. Ranga	1-2 students

35	B	Algorithms for Frequent Item Set Mining and Association Rule Learning in Relational Databases	Dr. Ranga	1-2 students
36	A	Contextual Online Advertisement using Reinforcement Learning	Dr. Rueda	1-3 students
37	A	Evaluation of Tools for Single-cell RNA-sequencing Data Analysis	Dr. Rueda	1-3 students
38	A	TBD	Dr. Saad	1-4 students
39	A	PHR (Personal Health Records) Web Application using Ciphertext-Policy Attribute-Based Encryption	Dr. Samet	2-3 students
40	A	Scalability in Blockchain	Dr. Samet	1-2 students
41	A	Blockchain based federated learnig	Dr. Samet	1-2 students
42	A	Using Blockchain in PHR (Personal Health Record) systems	Dr. Samet	1-2 students
43	B	Full Stack Dev AI	Dr. Selvarajah	3-4 students
44	A	Implementation and empirical study of certifying algorithms I	Dr. Tsin	2 students
45	A	Implementation and empirical study of certifying algorithms II	Dr. Tsin	2 students
46	A	Applying Machine Learning/deep learning to Astronomy	Dr. Wu	1-2 students
47	A	Programing language source code plagiarism checking tool	Dr. Wu	1-2 students
48	A	Developing a learning Tool for AI course (web/app development)	Dr. Wu	1-2 students
49	B	Virtual Communication Stack – Development of DEVS-based MANET Simulation	Dr. Yacoub	1-3 students
50	B	INDUSTRY 4.0 – Simulation of smart manufacture	Dr. Yacoub	1-2 students
51	B	Sentence-To-Music encoder/decoder	Dr. Yacoub	2-3 students
52	B	Integrated Verification and Validation Environment – DEv-PROMELA	Dr. Yacoub	2-6 students
53	A	Smart campus -- Better Students' Life on Campus	Dr. Yuan	2-3 students
54	A	Smart campus -- Talking Software Avatar for Online Learning	Dr. Yuan	2-3 students
55	A	Smart campus -- Construction of Virtual Campus	Dr. Yuan	2-3 students
56	A	Smart campus -- Technique of Virtual Learning	Dr. Yuan	2-3 students