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Matlab Projects grants high quality graphics and visualization. Matlab is a High level programming languages for solving linear algebra problems. Matlab is used to provide effective and easy handling tools for end users. Matlab is easy to code. Powerful tool for manipulating images in which the images are treated as matrices is processed in Matlab projects.

We assist research Scholars in implementing **MATLAB Projects** with best Customer Support. For more details contact us: +91 9790238391.

### Requirements:

**Platform:** Windows (7-32bit & 64 bit), Windows (8, 8.1), Linux, Mac

**Software:** MATLAB.

\*Other requirements depend upon Projects Topics and dimensions.

### Needs & Uses:

- Projects are done under the topics of security, communication, medical imaging, biometrics and signal processing
- Used to perform image processing concepts are edge detection, masking, wrapping and saturation, watermarking.

### Domain Area:

- Image Processing.
- Digital Image Processing.
- Medical Imaging.
- Biomedical Engineering.
- Remote Sensing.

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Link to [Matlab Projects](https://academiccollegeprojects.com/matlab/matlab-projects) : <https://academiccollegeprojects.com/matlab/matlab-projects>

### Sample MATLAB Projects Topics.

SI	IEEE MATLAB Project Titles.
1	Simulating MATLAB system models in PSpice.
2	Arterial Traffic Two-Direction Green Wave Coordination Control Based on MATLAB Graphical Method.
3	Analysis of performance enhancement on graphic processor based heterogeneous architecture: A CUDA and MATLAB experiment.
4	Simulations of lightning impulse residual voltage test of surge arresters in matlab-simulink.
5	A Multiple View Interactive Environment to Support MATLAB and GNU/Octave Program Comprehension.
6	Matlab-based simulator of cooperative spectrum sensing in real channel conditions.
7	Design and analysis of low pass microstrip filters using MATLAB.
8	Impact of charging Electric Vehicles in residential network on the voltage profile using Matlab.
9	An RFID-Based Dynamic Positioning Scheme with MATLAB GUI.
10	MATLAB interface for portable microelectrode impedance measurements.
11	Matlab demonstrations for concepts in electromagnetic.
12	A Matlab tool for regions of attraction estimation via numerical algebraic geometry.
13	A Matlab Based GUI for Multiframe Super Resolution Reconstruction of Different Gray Scale Images with and without Adaptive Filter.
14	Control valve position response identification by Matlab.
15	Strain measurements by cardiac ultrasound using an original Matlab software.
16	Design and simulation of DC-DC converters for Photovoltaic system based on MATLAB.
17	DiffEq: A MATLAB-Based Discrete-Time System Simulator [Testing Ourselves].
18	Development of a MATLAB tool based on graph theory for evaluating reliability of complex mechatronic systems.
19	Implement of neural network predictive controller based on Matlab and VC++ mixed programming.
20	An integrated framework for cooperative ground and aerial vehicle missions utilizing Matlab and X-Plane.
21	Human hand tracking using MATLAB to control Arduino based robotic arm.
22	Study of model-PI predictive controller for coke fractionation tower using Matlab.
23	BasketBallBot: Developing an intelligent controls teaching platform using LabView, MATLAB, and Arduino.
24	Simulation of phasor measurement unit (PMU) in MATLAB.
25	A novel improved matlab-based software for the electric and magnetic analysis and design of rotating electrical machines.

26	Developing a hierarchical modular PV array model using PLECS block-set in MATLAB.
27	Modeling the energy systems in Matlab Simulink - problematics of energy system control.
28	Study and Analysis of Robust DWT-SVD Domain Based Digital Image Watermarking Technique Using MATLAB.
29	Removal of High Density Gaussian and Salt and Pepper Noise in Images with Fuzzy Rule Based Filtering Using MATLAB.
30	Matlab GUI-based simulation platform design of flexible satellite attitude control and vibration suppression.
31	Decomposition & reconstruction of medical images in MATLAB using different Wavelet parameters.
32	Comparison and analysis of defuzzification methods of a fuzzy controller to maintain the cane level during cane juice extraction.
33	CAD for three phase ONAN cooling system transformers.
34	Traveling salesman problem optimization with parallel genetic algorithm.
35	A Comparative Study of PI and Fuzzy Controllers for Solar Powered DC-DC Boost Converter.
36	Effect of shunt capacitors on power systems containing renewable energy resources.
37	Design of OFDM on Digital Signal Processors.
38	Simulation time analysis of MATLAB/Simulink and LabVIEW for control applications.
39	Image processing based system for classification of vehicles for parking purposes.
40	Study on predicting for workload of cloud services using Artificial Neural Network.
41	Efficient real time hardware co-simulation for image enhancement applications.
42	A new algorithm on wavelet based robust invisible digital image watermarking for multimedia security.
43	Study of ECG signal processing using wavelet transforms.
44	Design of rectangular microstrip patch antenna based on Artificial Neural Network algorithm.
45	Simulation peculiarities of high-frequency zero-current switching quasi-resonant boost converter.
46	Design and implementation of an extended modular structure of Transistor clamped H-bridge multilevel inverter for single DC source.
47	Simulation of collision avoidance by navigation assistance using stereo vision.
48	Examining the structure cracks in concrete structures exposed to high temperatures.
49	Design and implementation of accurate reactive power compensator for renewable grid connected transmission system.
50	Optimization of parameters for CMOS MEMS resonant pressure sensors.