DSP MATLAB PROJECTS

Recommended links:

[Currently Trending DSP Matlab Projects (Customize Service) (matlabsimulation.com)](https://matlabsimulation.com/dsp-matlab-projects/)

DSP Matlab Projects fetches you spic-and-span ideas with a perfect outcome. For a student/scholar, Project is the most key term. It decides the grade points and shows your academic accord level. Digital Signal processing is the most-wanted field chiefly for pupils from ECE and EEE. But we do not limit our help as we plot a bespoke [DSP Matlab project](https://matlabsimulation.com/dsp-projects-matlab/) as per your learning backdrop. All of the growing applications build upon the DSP base. Thus, doing your research in this field will show you as a better learner. But doing your research with us will guide you as the Best Researcher. So be an Expert with our help, not a learner like all.

BRANCHES OF DSP TREE

1. Sonar and radar signal processing
2. Control systems and signaling
3. Seismic data processing
4. Biomedical signal processing applications
5. Signal processing for communication systems
6. Sensor array processing and spectral estimation
7. Statistical signal processing

**CONCEPTS FOR DSP MATLAB PROJECTS**

MODULATION TECHNIQUES

1. PWM (Pulse width Modulation)
2. PCM (Pulse Coded Modulation)
3. ASK (Amplitude shift keying)
4. Delta Modulation (DM)
5. FSK (Frequency shift keying)
6. BFSK (Binary Frequency shift keying)

DIGITAL FILERS

1. Low, high, band pass filter
2. Notch and comb filters
3. FIR and IIR filter
4. Adaptive and lattice filters
5. Filter builder GUI and FDA tool
6. Multistage and multi rate filters

WAVEFORM PROCESSING

1. Pulstran function
2. Sinc function
3. Multichannel signals
4. Dirichlet function
5. Periodic and aperiodic waveforms
6. Step, impulse and ramp functions

DISCRETE SIGNALS

1. Discrete complex harmonic signal
2. Unit sample sequence and step sequence
3. Functions like rand (1,N) and rand (1,N)
4. Mathematical functions (max, sum and prod)
5. Signal generation – tripuls, rectpuls, sinc, saw tooth, gauspuls, diric etc.