

Simulink Projects supports simulation, automatic code generation, and continuous test and verification. Simulink is a Graphical programming environment for modeling, simulating and analyzing multi domain systems. Simulink is integrated with MATLAB[®] which enables you to incorporate MATLAB algorithms. **Simulink Projects** provides a graphical editor, customizable block libraries. Simulink Projects Libraries of predefined blocks for modeling continuous-time and discrete-time systems. Simulation engine with fixed-step and variable-step ODE solvers are used in Simulink Projects.

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

Steps Involved in Simulink Projects.

- Selecting blocks.
- Building and editing model.
- Model Hierarchy.
- Manage signals & parameters (Data types, Dimensions, Complex values).
- Choose a solver.
- Run simulation.

DOMAIN AREA:

- Bio-medical.
- Communication.



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Versions:

- Simulink 8.1
- Simulink 8.2
- Simulink 8.3
- Simulink 8.4
- Simulink 8.5

Requirements

Languages: C, C++

Operating Systems: Linux, Microsoft Windows, OS X.

SOFTWARE: MATLAB & Simulink.

APPLICATIONS of Simulink Projects.

- Aerospace (Radar tracking, Air traffic design).
- Automotive (Anti-lock brake system, Climate control system).
- Industrial Automation and Machinery.
- Communications.
- Electronics Applications.

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Link to [Simulink Projects](https://academiccollegeprojects.com/eee-projects/simulink-projects): <https://academiccollegeprojects.com/eee-projects/simulink-projects>

Sample Simulink Projects Topics

Sl.No	IEEE Simulink Project Titles.
ACP-SP01	Model predictive control of three-level four-leg flying capacitor converter operating as Shunt Active Power Filter.
ACP-SP02	Addressing protection challenges associated with Type 3 and Type 4 wind turbine generators.
ACP-SP03	IMC-PID traction control system for an automobile via engine torque control.
ACP-SP04	Incorporating deadbeat and low-frequency harmonic elimination in modular multilevel converters.
ACP-SP05	Elevator car resilient oscillations suppression control system.
ACP-SP06	MATLAB/Simulink-based verification environment for motion estimation in H.264/AVC.
ACP-SP07	Generalized switching function model of modular multilevel converter.
ACP-SP08	Application and simulation of the active fault current limiter.
ACP-SP09	Data-driven modeling and simulation of PV array.
ACP-SP10	Power capability of Multi-Function Grid connected Converters.
ACP-SP11	Performance comparison between sliding mode control and periodic controller for cart-inverted pendulum system.
ACP-SP12	Experimental validation of minimum cost function-based model predictive converter control with efficient reference tracking.
ACP-SP13	Real time implementation of artificial neural networks-based controller for battery storage supported wind electric generation.
ACP-SP14	Test bed for low-cost measurement of AM/AM and AM/PM effects in RF PAs based on FPGA.
ACP-SP15	DC/DC Buck Power Converter as a Smooth Starter for a DC Motor Based on a Hierarchical Control.
ACP-SP16	Systolic array architecture for steerable multibeam VHF wave-digital RF apertures.
ACP-SP17	Modeling and simulation of a switched reluctance generator for aircraft power systems.
ACP-SP18	Macromodeling of electronic circuits based on model order reduction.
ACP-SP19	Current Source Converter series tapping of a LCC-HVDC transmission system for integration of offshore wind power plants.
ACP-SP20	Comparative analysis of the BER performance of DWT OFDM over that of FFT OFDM in presence of phase noise.
ACP-SP21	Induction motor fed from multilevel inverter topology incorporating selective harmonic reduction.
ACP-SP22	A robust fuzzy logic controller for a Green Plug-switched filter for nonlinear loads.
ACP-SP23	Path tracking of autonomous ground vehicle based on fractional order

	PID controller optimized by PSO.
ACP-SP24	Adaptive optimization using grey relational analysis and PID control of CNC drilling process.
ACP-SP25	A hardware in the loop simulation for electrically driven robot manipulator.
ACP-SP26	Improvement of shunt active power filter compensation through switching output reactances.
ACP-SP27	Analysis and simulation studies for position sensorless BLDC motor drive with initial rotor position estimation.
ACP-SP28	Empirical modelling of FDSOI CMOS inverter for signal/power integrity simulation.
ACP-SP29	Design and optimization of multivariable controller for CSTR system.
ACP-SP30	Development of 300-kV Air-Insulation Standard Impulse Measurement System.
ACP-SP31	An artificial Neural Network model for wind energy estimation.
ACP-SP32	Impact of static synchronous compensator on flux-based synchronous generator loss of excitation protection.
ACP-SP33	Utilization of Energy Sources in Hybrid PV/FC Power Assisted Water Pumping System.
ACP-SP34	Canonical switching cell converter fed SRM drive for SPV array based water pumping.
ACP-SP35	Coupled Analysis and Protection of the HTS DC Magnet for DC Induction Heater in Dynamic Disturbance.
ACP-SP36	Optimal control method for wind farm to support temporary primary frequency control with minimised wind energy cost.
ACP-SP37	High-performance hybrid photovoltaic -battery system based on quasi-Z-source inverter: application in microgrids.
ACP-SP38	Induction motor drive predictive direct torque control method.
ACP-SP39	Fractional-order control of three level boost DC/DC converter used in hybrid energy storage system for electric vehicles.
ACP-SP40	Dynamic modeling and simulation of temperature and current effects on an electric vehicles Lithium Ion battery.
ACP-SP41	Controller design for TCSC using observed-state feedback method to damp SSR in DFIG-based wind farms.
ACP-SP42	Characteristic Investigation and Control of a Modular Multilevel Converter-Based HVDC System Under Single-Line-to-Ground Fault Conditions.
ACP-SP43	DVR with auxiliary DC voltage source provided by a high power diode based rectifier used in MV connection substations.
ACP-SP44	Improved constant current islanding detection with regardless NDZ and its stability analysis.
ACP-SP45	Harmonic analysis in power systems with Discrete Fourier Transform.
ACP-SP46	A switched-capacitor multilevel inverter for high AC power systems with reduced ripple loss using SPWM technique.
ACP-SP47	Design of a sensorless controller for PMSM using Krill Herd algorithm.
ACP-SP48	Production code generation for server power supply controller.
ACP-SP49	PFC Cuk Converter-Fed BLDC Motor Drive.
ACP-SP50	Damping of sub synchronous resonance using fuzzy based PI controlled.