

Fuzzy Logic Projects are used to perform Data mining Concepts. Image processing related concepts are shaped in effective manner using Fuzzy Logic. Fuzzy Logic generates rules which were defined by human and it supports kinds of processes such as classification, segmentation, routing and clustering. Basic goal of Fuzzy Logic is to minimization of cycling times. Straightforward and an inexpensive control electronics where Control of the environment for large computing systems.

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

Fuzzy Logic:

- Mathematical logic which attempts to solve problems by assigning values to an imprecise spectrum of data
- To handle the concept of partial truth where the truth value range between completely true and completely false

Applications:

- Facial Pattern Recognition.
- Washing Machines.
- Antiskid Breaking Systems.
- Control of Subway Systems.
- Air Conditioners.
- Weather Forecasting Systems.

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Steps Involved in Fuzzy Logic Projects.

- Fuzzification.
- Fuzzy Inference.
- Defuzzification.

Software used to generate simulation:

- Java.
- Android.
- Dotnet.
- Matlab.
- NS2.
- NS3.
- Omnet++.
- Qualnet.
- Mininet.
- Scilab.

Platform: Windows, linux, Mac OS.

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Sample Fuzzy Logic Projects Topics.

SI	IEEE Fuzzy Logic Project Titles.
1	IR and color image fusion using interval type 2 fuzzy logic system.
2	Speed precision of switched reluctance motor using fuzzy logic controller.
3	Fuzzy logic based hybrid approach for sentiment analysis of Malayalam movie reviews.
4	Fuzzy Bisimulation for Goedel Modal Logic.
5	A Modular Implementation Scheme for Nonsingleton Type-2 Fuzzy Logic Systems With Input Uncertainties.
6	Design of a Fuzzy Logic control system for monitoring gearbox jamming in a bottle washer machine.
7	Type - 2 fuzzy logic controller for nonlinear object control.
8	MAS energy management of a microgrid based on fuzzy logic control.
9	The estimation of the joint angles of upper limb during walking using fuzzy logic system and relation maps.
10	Medical diagnosis system using fuzzy logic toolbox.
11	Controlling the number of equipments powered from photovoltaic panels with fuzzy logic.
12	Fuzzy logic based channel selection for mobile secondary users in cognitive radio networks.
13	A novel relay selection scheme for multi-user cooperation communications using fuzzy logic.
14	A comprehensive comparative study of DGA based transformer fault diagnosis using fuzzy logic and ANFIS models.
15	A Fuzzy Logic Controlled Bridge Type Fault Current Limiter for Transient Stability Augmentation of Multi-Machine Power System.
16	A Novel Method Based on Fuzzy Logic and Data Mining for Synchronous Generator Digital Protection.
17	Fault analysis of VSC HVDC systems using fuzzy logic.
18	Fuzzy logic based expert system for students' performance evaluation.
19	Dynamic routing and wavelength assignment using fuzzy logic controller in WDM optical networks.
20	A crossed pack-to-cell equalizer based on quasi-resonant LC converter with adaptive fuzzy logic equalization control for series-connected lithium-ion battery strings.
21	Advanced Pitch Angle Control Based on Fuzzy Logic for Variable-Speed Wind Turbine Systems.
22	Fuzzy Logic Vector Control design for fault-tolerant control of a 15-phase induction machine.
23	An interval type-2 fuzzy logic PSS with the optimal H_{∞} tracking control for multi-machine power system.

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24	Energy aware flash flood monitoring stations using a GA-fuzzy logic control mechanism.
25	Fuzzy-Logic Sliding-Mode Control Strategy for Extracting Maximum Wind Power.
26	Hierarchical Fuzzy-Logic-Based Electrical Power Subsystem for Pico Satellite ERPSat-1.
27	A Fuzzy Logic Model for Predicting the Development Schedule of Software Projects.
28	Incorporating Human Perception With the Motion Washout Filter Using Fuzzy Logic Control.
29	PID and fuzzy logic optimized controller for temperature control in a cavity of refrigeration.
30	Cybi: A Smart Companion Robot for Elderly People: Improving Teleoperation and Telepresence Skills by Combining Cloud Computing Technologies and Fuzzy Logic.
31	Design and Experimental Implementation of DTC of an Induction Machine Based on Fuzzy Logic Control on FPGA.
32	Implementation of a Fuzzy Logic Controller in a FEM Code to Model a Magnetic Suspension Mechanism.
33	Type-II Fuzzy Logic Controller for Temperature control of a Double pipe heat exchanger system.
34	Voice pathology detection by fuzzy logic.
35	A robust fuzzy logic controller for a Green Plug-switched filter for nonlinear loads.
36	Time Series Mining by Fuzzy Natural Logic and F-Transform.
37	Using Fuzzy Logic and Symbolic Execution to Prioritize UML-RT Test Cases.
38	Employing Type-2 Fuzzy Logic Systems in the Efforts to Realize Ambient Intelligent Environments [Application Notes].
39	A shadow detection approach based on fuzzy logic using images obtained from PV array.
40	Residential energy monitoring and management based on fuzzy logic.
41	Application of fuzzy logic for selecting the route in AODV routing protocol for vehicular ad hoc networks.
42	Food quality assessment using fuzzy logic.
43	Bearing fault detection based on interval type-2 fuzzy logic systems for support vector machines.
44	Integrating Wireless Cellular and Ad-Hoc Networks Using Fuzzy Logic Considering Node Mobility and Security.
45	Modified AHP for Gene Selection and Cancer Classification using Type-2 Fuzzy Logic.
46	Optimization of power quality problem for a windturbine fixed speed induction generator under asymmetric faults using UPFC fed vector control-PI, hysteresis and fuzzy logic.
47	Fuzzy-Logic-Based Terrain Identification with Multisensor Fusion for Transtibial Amputees.
48	Design of a Fuzzy Logic process Controller for flow applications and implementation in series tanks Pilot Plant.
49	A new method of fuzzy logic-based steganography for the security of medical images.
50	On fuzzy logic control of PV/T based reverse Osmosis desalination plant.