Pattern Recognition Projects aims to predict & classify an object. Learn to distinguish patterns of interest. Make sound and reasonable decisions about the categories of patterns.

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

Goal of Pattern Recognition Projects

➢ Minimize expected loss.

➢ Increase probability distribution.

➢ Minimize the error rate.

Software:

- Java.

- Matlab.

- Dotnet.

- Weka.

- OpenCV.

- ImageJ.

- Scilab.

Requirements:

Platform: Windows, Linux, Mac OS.

Needs & Uses:

- Used to perform two kinds of processes such as training or learning and detecting or classifying.

- Used to perform the approaches are statistical pattern recognition, structural pattern recognition and neural networks.

Learning Types:

➢ Unsupervised Learning.

➢ Reinforcement learning.

➢ Supervised Learning.

Process of Pattern recognition:

- Data Acquisition.

- Pre-processing.

- Feature Extraction.

- Classification.

- Post-processing.

Applications of Pattern Recognition Projects:

- ➢ Biometrics.

- ➢ Military Applications.

- ➢ Optical Character Recognition.

- ➢ Diagnostic Systems.

Steps Involved in Pattern Recognition Projects:

- Data Collection.

- Feature Choice.

- Model Choice.

- Training.

- Evaluation.

- Computational Complexity.

Sample Pattern Recognition Projects Topics.

SI	IEEE Pattern Recognition Project Titles.
1	A practical radial basic function network and its application.
2	Activity recognition with smartphone sensors.
3	Online Text-independent Writer Identification Based on Temporal Sequence and Shape Codes.
4	MPEG-U based advanced user interaction interface system using hand posture recognition.
5	A time-efficient image processing algorithm for multicore/manycore parallel computing.
6	Prototype for determination of pre-transfusion tests based on image processing

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Phone Number: +91 9790238391 Google+ https://plus.google.com/104643943617095075238
Link to Pattern Recognition Projects:
https://academiccollegeprojects.com/cse-projects/pattern-recognition-projects

	techniques.
7	Trigger-Wave Asynchronous Cellular Logic Array for Fast Binary Image Processing.
8	Plant counting with low altitude image processing.
9	Image processing based package volume detection with Kinect.
10	Using Image Processing on MRI Scans.
11	Application of Conditioned Level-Set Method to OH-PLIF Image Processing of Typical Molecule Diffusion Flames.
12	On the accuracy of RF and image processing based hybrid localization for wireless capsule endoscopy.
13	Determination of type and quality of hazelnut using image processing techniques.
14	An assistant for an incremental learning based image processing system.
15	Image processing on Field Programmable Gate Arrays.
16	Design and implementation of field programmable gate array based error tolerant adder for image processing application.
17	Optimum placement of the cutting patterns on the leather with image processing and optimization.
18	Hyperspectral image processing for target detection using Spectral Angle Mapping.
19	Elaboration of novel image processing algorithm for arcing discharges recognition on HV polluted insulator model.
20	On the Impact of Energy-Accuracy Tradeoff in a Digital Cellular Neural Network for Image Processing.
21	Real-time image de-blurring and image processing for a robotic vision system.
22	A novel approach for the analysis of US images using morphological image processing techniques.
23	Effects of standard image processing methods on steganalysis.
24	Investigation of the production properties of fancy yarns using image processing method.
25	Enhancement of old images and documents by digital image processing techniques.
26	Object tracking by PI control and image processing on embedded systems.
27	Image Processing for Identification of Sea-Ice Floes and the Floe Size Distributions.
28	High-speed cluster scanning scheme for three-dimensional constellated image processing.
29	Extraction of Energy Information From Analog Meters Using Image Processing.

30	Detection of rail faults using morphological feature extraction based image processing.
31	Portable Framework for Real-Time Parallel Image Processing on High Performance Embedded Platforms.
32	Performance analysis of pre-processing filters for underwater images.
33	Acute lymphoblastic leukemia diagnosis using image processing techniques.
34	Computer-aided detection of brain tumors using image processing techniques.
35	Remote sensing image processing to identify spatial units of human occupation along Trans-Amazonian Highway (BR-230), Brazil.
36	Image processing based fault detection approach for rail surface.
37	Super resolution techniques for medical image processing.
38	Various document image mosaicing method in image processing: A survey.
39	A Comprehensive Evaluation of Spectral Distance Functions and Metrics for Hyperspectral Image Processing.
40	Implementation of Kalman filter and Sonar image processing on FPGA platform.
41	Hipacc: A Domain-Specific Language and Compiler for Image Processing.
42	A detection of tears in laces using image processing.
43	Traffic queue length measurement by using combined methods of Photogrammetry and digital image processing.
44	Application of an image processing architecture for the Solar Orbiter SPICE instrument.
45	An intelligent method of detecting pork freshness based on digital image processing.
46	Enhanced quality LANDSAT image processing based on 4-level Sub-Band Replacement DWT.
47	Iterative function systems for natural image processing.
48	Image-processing assisted characterization of spray injection systems.
49	Image processing based system for classification of vehicles for parking purposes.
50	eAGROBOT — A robot for early crop disease detection using image processing.