



DRISHTI
A Revolutionary Concept

LIST OF MAKERSPACE PROJECTS:

Domain	Project Name	Description
Embedded Systems	Cafe Management System	To design an automation system that will allow a digital menu to be displayed on an LCD monitor. The customer's order will be received directly at the kitchen.
	Fingerprint Locking System	To design a smart device that can receive fingerprint sensor commands from mobile via Bluetooth and show the results on an LCD display.
	Speedometer	To control and monitor a motor's speed and displaying the speed on a 7 segment/LCD display.
	Fire Alarm System	To design a fire alarm device that can deliver a warning SMS directly to your cell phones.
	Scientific Calculator	To design a high-end scientific calculator which can perform simple to complex mathematical operations.
	Digital Clock	To design a digital clock which can be programmed as an alarm clock or as a stop-watch timer. It can also be used to display real date and time.
	House Price and Heart Disease Prediction	To predict house prices using a dataset and also predict from the dataset of previous heart patients which new test cases will have heart disease and which will not.
Chemical	Industrial designing of aniline production plant	Project aim is to research, design and simulate a production of aniline from nitrobenzene and hydrogen. DWSIM software will be used to design the flowsheet and simulate it under given conditions.
	Industrial designing of vinegar production plant	Project aim is to research, design and simulate a production of acetic acid from acetaldehyde. DWSIM software will be used to design the flowsheet and simulate it under given conditions.
Mechanical Systems	Tyrolean Traverse Bot	To design a robot that is capable of travelling across a rope extended horizontal with respect to the ground.
	Box Transport Machine	To design a conveyer belt with intermittent motion and also a mechanism for distributing objects in the boxes.
	Football Launcher	To design a machine that can load and throw a football to certain height and range.
	Spherical 4 Bar	To study the spherical 4 bar mechanism and find applications for it.
	Gearless transmission	To design a mechanism which is capable of transmitting power between shafts inclined in given angular range without using any gears and find certain real life application.

	Stair Climbing Robot	To design a robot that can climb a set of stairs.
Civil	Designing of Water Tank	To study and design a water tank and perform analysis using appropriate software.
	Planning of Residential Building	To do a planning of residential building with fulfilling all the required criteria's of it.