

LIST OF SUPPORTED PROJECT IN DESIGN LAB AY:2018-19

Sr. No.	Name of the Project	Guide	List of Components Utilized From the Design Lab
1	GUI Based Over current Relay	Prof. M.K.Patel	Raspberry PI – 3 Kit,Arduino Starter Kit
2	Remote Monitoring of Water Use and control of water wastage.	Prof. M.K.Patel	Arduino Starter Kit,Flow sensor
3	Raspberry PI based reader for blind	Prof. M.R.Suneja	Raspberry PI – 3 Kit
4	Automated 5 DoF Robotic Arm Mechanism.	Prof. P.N.Boka	Arduino Starter Kit,RQ-HUNO Robotic Humanoid kit
5	Investigate effect of weld parameters on weld joints in TIG by SOLDAMATIC simulator	Prof. A.D.Patel	Thermal Camera for Product Inspection - TG165

LIST OF SUPPORTED PROJECT IN DESIGN LAB AY:2019-20

Sr. No.	Name of the Project	Guide	List of Components Utilized From the Design Lab
1	Energy Usage Monitoring Using Labview	Prof. J.H.Patel	CIRO-9030 Compact Controller,NI 9223 Module
2	Auto Cut Off Of 20 Hp Submercible Pump Based On Water Level In GEC, Palanpur	Prof. M.K.Patel	Arduino Starter Kit,Multi meter
3	Energy Monitoring System	Prof. M.K.Patel	Arduino Starter Kit,Multi meter
4	Chainless Bicycle	Prof. P.N.Boka	MyoWare Muscle Sensor
5	Rough Terrain Robot Using Rocker Bogie	Prof. P.N.Boka	RQ-HUNO Robotic Humanoid kit

LIST OF SUPPORTED PROJECT IN DESIGN LAB AY:2020-21			
Sr. No.	Name of the Project	Guide	List of Components Utilized From the Design Lab
1	Automatic irrigation system using arduino mega	Prof. M.K.Patel	Arduino Starter Kit,Multi meter,DSO

LIST OF SUPPORTED PROJECT IN DESIGN LAB AY:2021-22

Sr. No.	Name of the Project	Guide	List of Components Utilized From the Design Lab
1	Automatic irrigation System Using Arduino Mega	Prof. M.K.Patel	Temperature, Humidity Sensor, Arduino, LCD, Connector
2	Smart Solar Vehicle	Prof. M.K.Patel	Solar Cell
3	Wireless Notice Board	Prof. M.K.Patel	Arduino, LCD, Connector
4	Wireless Robotic Arm Control System	Prof. M.K.Patel	Arduino Starter Kit, Multi meter, Sevo Motor, RQ-HUNO Robotic Humanoid kit, Bluetooth HC-05
5	SMART ROADS SYSTEMS	Prof. M.K.Patel	DC Motor, Connector, Sensor

LIST OF SUPPORTED PROJECT IN DESIGN LAB AY:2022-23

Sr. No.	Name of the Project	Guide	List of Components Utilized From the Design Lab
1	Wireless Red Signal Alerting For Trains	Prof. M.K.Patel	Hall Sensor,Arduino,LCD,Connector
2	Smart anti suicide fan	Prof. M.K.Patel	DC Motor,Connectror,Sensor

LIST OF SUPPORTED PROJECT IN DESIGN LAB AY:2023-24

Sr. No.	Name of the Project	Guide	List of Components Utilized From the Design Lab
1	PH detector for fish farm	Prof. M.K.Patel	PH Sensor,Arduino,LCD,Connector
2	Rope climbing robot for kids	Prof. M.K.Patel	DC Motor,Connectror,3D Printer