

Non-Micro controller based projects

- SEM-327.** Design of Timer based industrial/Home Automation with time setting value using Taper POT using 555 Timer.
- SEM-345.** RF controller wireless Lamp Dimmer in 16-Steps with TRIAC
- SEM-350.** Automatic active phase selector for 1 phase load from 3 phase using Logic gates
- SEM-351.** Design of an Inverter with battery low & over load indicator
- SEM-295.** Hand cranked dynamo based energy generation system for emergency headlamp applications for mining workers and engineers who work under ground and dark conditions
- SEM-323.** Construction of emergency light with automatic switch ON/OFF and battery protection.
- SET-518.** Solar induction motor driver
- SEM-223.** Advanced automatic irrigation system with day and night sensing and Auto controlling of motor
- SEM-309.** Solar fencing: to prevent crop damage by animals, gives mild electric shock, which is safe and can be demonstrated to students.
- SEM-310.** Design of 100Watt efficient inverter
- SEM-315.** DC light dimmer controlling with 555 Timer
- SEM-348.** Design of low cost temp control system for solar cell lamination machine
- SEM-347.** Wireless power transmission
- SEM-317.** Speed controlling of DC motor by PWM using 555 Timer.
- SEM-340.** Construction of wireless match box for digital lantern using RF technology.
- SEM-341.** Construction of Cooking gas leakage sensor and alarming system
- SEM-342.** Industrial and Home Security System based on smoke and Fire sensors
- SEM-275.** Green Wind Energy for rural electrification
- SEM-284.** Mini UPS system
- SEM-343.** PIR based intrusion detection system with letter box information using comparator
- SEM-338.** PIR Sensor based Intrusion Detection System
- SEM-337.** Automatic Room Illumination Control

- SEM-334.** Ultrasonic Sensor based travel assistant for blind people
- SEM-333.** PIR based energy conservation system using comparator
- SEM-349.** Soil moisture& temperature based irrigation water pump controlling system.
- SEM-215.** Alcohol detector with automatic vehicle (DC motor) controlling
- SEM-346.** Automatic power failure indication system
- SEM-300.** TRIAC based four step touch dimmer
- SEM-344.**Home security based on LASER lighting system.
- SEM-130.** Solar cell based mobile phone battery charger
- SEM-321.** Digital device switching with touch input for ON/OFF
- SEM-220.** RF based digital lantern using Encode and Decoder
- SEM-267.** MOTION SENSOR FOR SECURITY LIGHT
- SEM-270.** Design of IR transmitter and IR receiver for Shopping malls using Comparator
- SEM-272.** Advanced Digital Remote Panic Alarm Button for Bank / industrial Application using RF
- SEM-325.** Mail box alerting system by using 555 Timer
- SEM-320.** Servo motor testing and direction controlling.
- SEM-269.** Design and Construction of Ultrasonic sensor
- SEM-271.** IR based Home/Industrial Automation using 555 Timer
- SEM-292.** Solar based E-Uniform for soldiers who work at extreme high temperature or extreme low temperature (same uniform can be used to warm up or cool down body temperature)
- SEM-294.** Intelligent IR based automatic highway lighting system with day / night sensor
- SEM-298.** IR based intelligent Automatic washbasin / mirror lamp controller
- SEM-306.** Sound operated baby cradle... switches on relay/motor when baby cries also the music
- SEM-308.** Automatic Water Tap for water saving... IR obstacle with cooler motor
- SEM-311.** Controlling of Servo motor by using 555 Timer.
- SEM-312.** Effective light operated device switching with efficient transistor
- SEM-313.** Electronic eye for night device switching using 555 Timer

www.mycollegeproject.com

Ph: +91 9490219339, 040-23731030

Ameerpet: A-8, 2nd floor, Eureka court, beside Image hospital, Ameerpet, HYDERABAD – 73.

Dilsukhnagar: 203, Sreemaan Rama Towers, Opp: Kalanikethan , Chaitanyapuri, Dilsukhnagar, Hyderabad-62.

Santoshnagar: Opp: Magna Hypermarket, Santoshnagar X-Roads, HYDERABAD – 59.

SEM-314. LDR based device switching with intensity controlling

SEM-293. High sensitive Alcohol sensor with auto car ignition disables function

SEM-319. Touch based device switching with efficient transistor.

SEM-318. Controlling of digital device with digital input to 555 Timer

SEM-322. Highly efficient Audio Amplifier.

SEM-339. Real-time burglar alarm system using PIR Sensor (Passive Infrared Sensor)

SEM-176. A multi agent multi sensor based security system for intelligent building

SEM-336. Soil Moisture sensor based intelligent irrigation water pump using comparator.

SEM-335. Automatic Intelligent Plant Watering System using Comparator