

CAD Training Center

Sooxma Technologies

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MECHANICAL FINAL YEAR PROJECTS LIST

PRODUCTION BASED

- CTC-1. Empirical modeling of tool wear and material removal rate using GP studios in END MILLING process.
- CTC-2. Design and Fabrication of jig.
- CTC-3. Fabrication of Automatic Embossing Drilling Machine
- CTC-4. Fabrication of Spring Testing Machine
- CTC-5. Fabrication of Mini milling machine
- CTC-6. Fabrication of Fully automated Drilling Machine
- CTC-7. Fabrication of Electronic Hack Saw Machine

AUTOMOBILE BASED

- CTC-8. Fabrication of Electric Two Wheeler with Rechargeable Battery
- CTC-9. Automatic Car Parking System for apartment Building.
- CTC-10. Fabrication of Air leak Detector.
- CTC-66. SMS based vehicle ignition controlling system.
- CTC-68. Fabrication of automatic vehicle over speed controlling system for school zone
- CTC-69. Automatic break failure indicator and engine over heating alarm
- CTC-70. Remote controlled air craft (flying model)
- CTC-71. Fabrication of sub-marine (model)
- CTC-72. SMS based automatic two wheeler locking system.
- CTC-74. Fabrication of kids car
- CTC-75. Fabrication of wind energy vehicle
- CTC-76. SMS controlled moving vehicle for industrial application
- CTC-77. Voice controlled material handling vehicle

- CTC-84.** Intelligent braking system in four wheeler (IBS)
- CTC-85.** Emergency braking system in four wheeler (EBS)
- CTC-93.** Automatic track guided vehicle (ATGV)
- CTC-94.** Fabrication of battery car
- CTC-95.** Fabrication of sensor operated AGV.
- CTC-96.** Sensor operated track guided vehicle
- CTC-97.** Fabrication of electrical steering mechanism
- CTC-98.** Automatic head light dim and bright controller with engine overheating alarm
- CTC- 99.** Automatic steering control mechanism using sensor
- CTC-100.** Automatic rain operated wiper
- CTC-101.** Fabrication of automatic car overtaking system
- CTC-102.** Railways accident avoiding system - (level crossing and fire alarm)
- CTC-75.** Fabrication of wind energy vehicle
- CTC-76.** SMS controlled moving vehicle for industrial application
- CTC-86.** Artificial intelligent based solar vehicle
- CTC-87.** Remote controlled solar vehicle
- CTC-88.** Automatic visitor guided with material handling vehicle
- CTC-89.** Automatic sky car parking system
- CTC-90.** Fabrication of path finding vehicle
- CTC-91.** Fabrication of automatic steering control system for automobile
- CTC-92.** Highways high speed sensing and automatic speed braking system
- CTC-105.** Automatic vehicle speed measuring using its rays
- CTC-106.** Fabrication of electric two wheeler.

Innovative Mechanical projects

- CTC-47.** Electricity and Water Pumping System using Wind Mill
- CTC-48.** Fabrication of Solar Seed Dryer
- CTC-49.** Fabrication of solar irrigation System.
- CTC-50.** Automatic Moisture and Light Controlling System for Garden
- CTC-51.** Automatic Water Tape Controlling System
- CTC-52.** Automatic Vegetable (or) Lemon Cutting machine
- CTC-53.** Water pumping system using Wind Power
- CTC-54.** Fabrication of Remote operated weapon system
- CTC-55.** Remote controlled tilting wheel chair for physically disable
- CTC-56.** Remote controlled wheel chair [censored] bed.
- CTC-57.** Fabrication of Steam Power Plant
- CTC-58.** voice operated intelligent Lift or Elevator
- CTC-59.** Foot step power generation system.
- CTC-60.** Wheel chair movement control using tongue
- CTC-61.** Closed loop pressure monitoring and controlling system using pressure sensor.
- CTC-62.** Implementation of tire Pressure Monitoring System with wireless communication
- CTC-63.** MEMS Accelerometer controlled tilt sensing for Avionics applications
- CTC-64.** Speech recognition based Wheel chair with elevated features
- CTC-65.** Designing of Programmable Drilling machine for depth controlling
- CTC-67.** Servo Motor Control using mobile phone
- CTC-73.** Sand collecting vehicle
- CTC-77.** Voice controlled material handling vehicle
- CTC-83.** Automatic material handling fire fighting robot
- CTC-103.** Quick lifting jack with gear arrangement
- CTC-104.** Cell phone controlled jumping robot

ROBOTICS BASED

- CTC-11.** Fabrication of bucket wheel excavator
- CTC-12.** Automatic bottle washing machine
- CTC-13.** Automatic Water level Sensing Crane
- CTC-14.** Paddy Harvester
- CTC-15.** Fabrication of vegetable slicing Machine
- CTC-16.** Automatic paint spraying pick and place Equipment
- CTC-17.** Sensor Based Automatic paint marking machine for sprocket Industries
- CTC-18.** Fabrication of Grass Cutting Machine
- CTC-19.** Intelligently Investigate Pipe-line Robot
- CTC-20.** Solar based self powered high efficient Line following robot with obstacle avoidance.
- CTC-21.** Speech recognition Controlled wireless Pick and Place Robot
- CTC-22.** Obstacle Avoidance and Manhole detection Electronic travel aid Robot for blind
- CTC-23.** Voice actuated hospital bed control system and Heart Beat monitoring and alerting system
- CTC-24.** Autonomous Mobile Platform II with artificial intelligence using digital compass and GPS
- CTC-25.** Tongue controlled speaking robot for paralyzed/physically handicapped persons.
(Implemented on Real-time wheel chair)
- CTC-26.** Solar Tracker Robot using Microcontroller.
- CTC-27.** Robot controlling wirelessly through Wi-Fi
- CTC-28.** Servo Motor Control using mobile phone.
- CTC-29.** PC controlled wireless Pick and Place Speaking Robot
- CTC-30.** Gestures controlled Intelligent Wheel chair with device switching
- CTC-31.** MEMS Accelerometer based Head movement controlled Firefight iRobot
- CTC-32.** PC operated wireless War field Robot
- CTC-33.** Voice commands based wheel chair for physically challenged.
- CTC-34.** Voice activated multipurpose robot

- CTC-35. Development of vision system to a humanoid Robot
- CTC-36. PC controlled multipurpose Robot
- CTC-37. PC controlled wireless pick & place Robot with video camera
- CTC-38. Gesture controlled wireless spy Robot with video capture
- CTC-39. Computer Controlled Wireless Pick and Place Robot
- CTC-40. Missile detection and auto destroy system.

DESIGN BASED (Pro-E)

- CTC-41. Design of Lathe Tail stock.
- CTC-42. Design of Pressure relief valve.
- CTC-43. Design of Connecting rod.
- CTC-44. Design of Stuffing box.
- CTC-45. Design of Plummer blocks bearing.
- CTC-46. Design of Universal joint.
- CTC-107. Design of single tool post
- CTC-108. Design of square tool post
- CTC-109. Design of machine vice
- CTC-110. Design of drill jig
- CTC-111. Design of indexing drill jig
- CTC-112. Design of self centered chuck
- CTC-113. Design of four jaw chuck
- CTC-114. Design of crane hook
- CTC-115. Design of lathe slide rest.
- CTC-116. Design of lathe speed gear box
- CTC-117. Design of milling fixture
- CTC-118. Design of indexing drill jig.
- CTC-119. Design of radial engine subassembly

- CTC-120. Design of rotary gear pump
- CTC-121. Design of fuel injector
- CTC-122. Design of single plate clutch
- CTC-123. Design of multiplate clutch
- CTC-124. Design of spark plug.
- CTC-125. Design of gear box