

**CHENNAI-PONDICHERRY****AUTOMOBILE PROJECTS 2019-2020**

1. 3 wheel electric scooter
2. 4-wheel 3 model steering
3. 91 degree turning steering mechanism
4. A study of conversion of diesel engine to fully biogas engine
5. Active brake torque vectoring in differential unit for quick turning
6. Adaptable Multi Nut Fastener with Manual Height Adjustment System
7. Air bagsuit for two wheeler driver
8. Air conditioning of automobile using engine exhaust gas
9. Air Engine with load testing (Dynamo Meter) Arrangement
10. Air hybrid cycle
11. Air preheating System using condenser waste heat in automobile
12. Air ship fabrication (model)
13. Anti-Lock Braking System In Four wheeler(ABS)
14. Automated Guided Vehicle(AGV)
15. Automatic acceleration control in traffic signal
16. Automatic air delivered system based on density of oxygen in car cabin
17. Automatic carcovering device For Automobile
18. Automatic carwindow opening by using sound and oxygen sensors
19. Automatic clutch and brake system for four wheeler
20. Automatic Differential Unit locking system
21. Automatic Distance Measurement and Braking System By using Ultrasonic Waves
22. Automatic drunken drive avoiding with helmet locking system
23. Automatic Electro-Hydraulic Jack for Four Wheeler
24. Automatic Electro-magnetic Clutch
25. Automatic Electro-Magnetic gear transmission for two wheeler
26. Automatic head lamp alignment system depending up on steering
27. Automatic Magnetic Accident preventer for Train
28. Automatic parking braking system for four wheeler
29. Automatic pneumatic bumper and break actuation before collision
30. Automatic pneumatic bumper for four wheeler
31. Automatic pneumatic discbraking system
32. Automatic Queries controlling system for two wheeler
33. Automatic Railway Gate Controller
34. Automatic Reverse locking system using differential unit
35. Automatic safety systems for railway coaches
36. Automatic speed breaker depending up on vehicle over speed control
37. Automatic speed breaker for preventing accident in school zone
38. Automatic steering control system for automobile
39. Automatic Track Guided Vehicle (ATGV)
40. Automatic turbochar gerat low and high speed of vehicle
41. Automatic tyre pressure inflation system
42. Automatic tyre pressure inflation system with voice recognition
43. Automatic Vehicle Over speed controlling system for School Zone
44. Automatic Visitor Guided with material handling Vehicle
45. Automobile air conditioning using engine exhaust

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46. Automobile dual side wipersystem with mist control
47. Automobile suspension madeof hydraulic magnetorheological damper
48. Bio gas two wheeler with power generation
49. Bio gas two wheeler with power generation
50. Both wheel driven step less speed variable bicycle
51. Button operated electromagnetic ear shifting system for two wheeler
52. Button operatedelectro-magnetic ear shifting system for two wheeler
53. Button operated Pneumatic gear shiftingin two wheeler
54. Cam shaft operated automatic gear change for two wheeler
55. Carservice complaint automation
56. Carbondioxide scrubbing in automobile
57. Catalytic converter for Two wheeler
58. Catalytic reduction in c.iengine
59. Cold Start Performance Enhancement of Motorcycle Catalytic Converter by Latent Heat Storage System
60. Combination of emergency,intelligence andanti-lock braking system
61. Compressed air production using vehicle suspensor
62. Conversion of diesel engine to biogas engine
63. Cryogenic liquid nitrogenas a fuel for zero emission vehicle
64. Design &development of standing wheel chair
65. Design &Fabrication of engine operated tillercultivator
66. Design &fabrication of Hub less wheel
67. Design &fabrication of hybrid air car with solar
68. Design &fabrication of leaf spring fatigue testing machine
69. Design &fabrication two wheel drivebike
70. Design and analysis of Aero spike nozzle for aairaugmented rocket engine
71. Design and development of down draft Gasifier for operating CI engine on dual fuel mode
72. Design and fabrication of fully covered two wheeler prototype
73. Design and fabrication of hybrid motor cycle
74. Design and fabrication of solar operate dtricycle
75. Design and fabrication of Squid jet propulsion
76. Design and fabrication of String bicycle
77. Design and fabrication of Wind propelled car
78. Development of Homogeneous charge compressionignition(HCCI)
79. Dual Brake Single liver System for two wheeler
80. Dual power generation system for Automobile (thermo electric+exhaust gas power generation)
81. Effect of swirlinduction by internally threaded in letmani foldson exhaust emissions of single cylinder diesel engine
82. Efficiency in creasing system by using preheating method
83. Efficient Car Parking System for four wheeler
84. Effort less bicycle
85. Electric Pulse Magnetic Braking (EPM Braking) System
86. Electric scooter powered by wind & piezo electric power
87. Electrical Power generation and refrigeration by using waste heat from IC engine
88. Electro-Hydraulic Braking (EHB) system for FourWheeler
89. Electro-Hydraulic System for Automation in Four Wheeler
90. Electro-magnetic actuator in ABS for two wheeler

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91. Electro-magnetic braking on propeller shaft
92. Electronic assisted hydraulic braking system
93. Electronic Fuel Injection (EFI) system for Two wheeler
94. Elimination of chain drive in bicycle
95. Emission control in two stroke petrol engine by using multiple spark
96. Energy conversion from Road ways using kinetic motion
97. Energy-harvesting shock absorber with a mechanical motion rectifier
98. Enhancing the IC Engine Performance By Using The Electrolysis And Preheating Process
99. Exhaust gas (silencer) heat recovery (TEG) power generation system
100. Exhaust gas recirculation system (EGR) for two wheeler
101. Experimental analysis of vapour chamber heat spreader
102. Experimental investigation & comparative study of diesel engine fuelled with used transformer oil (auto)
103. Experimental investigation of an air conditioning system drive by Engine
104. Experimental study and Application in Nano fluids in refrigeration
105. Experimental study of down draft gasifier & nozzle optimization
106. Experimental study of heat transfer enhancement in liquid piston cylinder (hydraulic)
107. Extraction of fuel from waste plastics using catalyst cracking & pyrolysis
108. Eyeblink sensor based automatic braking and bumper system
109. Fabrication and analysis of micro channel heat exchanger
110. Fabrication Automatic lawn mover
111. Fabrication of Active wheel
112. Fabrication of Aero dynamic design for buses
113. Fabrication of Air assisted clutch
114. Fabrication of Air bag system for two wheeler
115. Fabrication of Air brake system using Engine exhaust gas
116. Fabrication of Air engine
117. Fabrication of Air powered wheel chair
118. Fabrication of All Terrain Wheel Chair
119. Fabrication of Anti drown vehicle
120. Fabrication of Anti theft steering system
121. Fabrication of Auto clutch for Automobile
122. Fabrication of automatic gear changer in bicycle
123. Fabrication of Automatic pneumatic jack
124. Fabrication of Bicycle wind turbine
125. Fabrication of brown gas Engine
126. Fabrication of Buggy with solar hybrid vehicle
127. Fabrication of cng bike
128. Fabrication of compressed air generation using speed breaker
129. Fabrication of concept bicycle (future bicycle)
130. Fabrication of Direct drive wheel
131. Fabrication of double gear bicycles
132. Fabrication of Eddy current braking system
133. Fabrication of EGR assisted jet compressor
134. Fabrication of Electric all terrain vehicle
135. Fabrication of Electric Gear Bike
136. Fabrication of Electro-magnetic Engine
137. Fabrication of Energy produced from running vehicle

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138. Fabrication of Engine Drive Cycle
139. Fabrication of Ethanol fuel engine
140. Fabrication of Ferrofluid power generation
141. Fabrication of Flycar
142. Fabrication of Foldable all wheel drive bicycle
143. Fabrication of Foldable two wheeler
144. Fabrication of foot board breaksystem for car
145. Fabrication of Four bar cycle drive mechanism
146. Fabrication of Fuel cell bike
147. Fabrication of fuel less reciprocating air engine
148. Fabrication of Fully Automated Intelligent Vehicle
149. Fabrication of gearless transmission system
150. Fabrication of Gyro stabilized two wheeler
151. Fabrication of Hub less cycle
152. Fabrication of Hybrid driving seat
153. Fabrication of Hydraulic lifting system for total car
154. Fabrication of Kids Car
155. Fabrication of Loading and unloading crane for ship
156. Fabrication of LPG Gasket for Four Wheeler
157. Fabrication of Magnetic fuel modifier used in IC engine
158. Fabrication of Magnetorheological clutch with load test
159. Fabrication of methane gas engine
160. Fabrication of Mono wheel bike
161. Fabrication of Motor bike with propeller shaft
162. Fabrication of Motorized Center stand for cycle/bike
163. Fabrication of movable headlight system with automatic horn
164. Fabrication of Multiple Car safety system in bumper
165. Fabrication of Piezoelectric Powered Cycle
166. Fabrication of pneumatic Scooter excavator
167. Fabrication of Pollution free four stroke petrol engine
168. Fabrication of Pulse jet engine (Model)
169. Fabrication of Quad bike
170. Fabrication of Safety bike
171. Fabrication of Screw shaft engine (model)
172. Fabrication of Self energized hybrid system
173. Fabrication of Self running bicycle
174. Fabrication of Smart trike –tilting three wheeler
175. Fabrication of Solar E cycle
176. Fabrication of Solar Hybrid Car
177. Fabrication of Solar Race Car
178. Fabrication of Steer-by-wires system for cars
179. Fabrication of Sweeper vehicle
180. Fabrication of Tumble cycle with regenerative electrical cycle
181. Fabrication of Tread mill electric vehicle
182. Fabrication of Turbo charged two wheeler with zero turbo lag
183. Fabrication of turbo charger for two wheeler
184. Fabrication of un aided automatic tri cycle
185. Fabrication of Variable volume engine
186. Fabrication of vertical bridge lifter

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187. Fabrication of Water fuel injection for mini boat
188. Fabrication of weighing bridge in moving vehicle
189. Fabrication of Wind Energy Vehicle
190. Fire proof aerial unmanned vehicle
191. Foldable Electric Go Ped Two wheeler
192. Four wheel steering (Zero degree) system
193. Fuel efficiency improvement by using Acetylene powered engine
194. Fuel Efficiency improvement in petrol Engine by using Water injection
195. Fuel efficiency increasing system by using peltier Air preheated system
196. Generation of electricity using the flow or velocity of Vehicle exhaust gas
197. Generative braking system using pneumatic interface
198. Heating and cooling jacket by using peltier effect
199. High efficient cooling system in a car with help of BLDC motor
200. High ways High Speed Sensing and Automatic Speed Braking System
201. High ways Speed controller and automatic Pneumatic Braking System
202. Hub center steering system for two wheeler
203. Hybrid tilting three wheelers systems
204. Hybrid vehicle using piezoelectric power generation
205. Hybrid vehicle with regenerative braking motor cycle
206. Hydraulic parking attachment for car
207. Improved energy performance for refrigerating machine using water spray up stream of the Condenser
208. Improving efficiency of petrol engine by using water methanol injection in two wheeler (load test)
209. Increasing the volumetric efficiency of four stroke engine by using ATEG
210. Intelligent Active Suspension system for two wheeler
211. Intelligent Braking System in Four Wheeler (IBS)
212. Intelligent gear transmission system with active helmet vehicle
213. Introduction of HHO gas in turbo jet engine
214. Joystick control car drive mechanism for physically challenged people
215. Kinetic Energy Recovery System (KERS) cycle
216. Magnetically Levitated Train/Flight
217. Magneto Hydro Dynamic (MHD) Braking System
218. Magneto Rheological Fluid (MRF) Braking System
219. Manual powered car
220. Mechanical self starter (without engine)
221. MHD power generation for two wheeler
222. Modified Reverse gear two wheeler for handicapped people
223. Motorized triangular air compressor
224. Multi task smart Wheelchair for physically challenged people
225. Neodymium magnetic shock absorber
226. Numerical analysis and experimental validation for single cylinder diesel engine with double injection
227. Opposite piston engine (model)
228. Optional acceleration circuit to increase the fuel efficiency of single cylinder Petrol engine by using double carburetor method
229. Over speed indication and Automatic accident Avoiding System for four wheeler
230. Performance analysis of evaporative air cooled condenser
231. Performance of flat fin automotive radiator using nano fluids as coolants

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232. Performance emission characteristics of hydrogen enriched engine
233. Pneumatic controlled steps in bus with break locking system
234. Pneumatic Disc Braking System(PDBS)
235. Pneumatic speed breaker with day and night control
236. Pneumatic try cycle with turbocharged closed loop system
237. Power generation from road transport using piezoelectric can track & pinion
238. Pulse jet engine performance normal petrol gas
239. Rear wheel steering for trailer truck
240. Recovery of energy of suspension system
241. Refrigeration using exhaust gas in automobiles (without engine)
242. Regenerative braking using pneumatic interface
243. Regenerative compressed air systems by suspension for automatic turbo lag reduction
244. Remote controlled hydraulic jack trolley
245. Remote controlled scrap collecting vehicle
246. Remote controlled tilting handicapped wheel chair
247. Safety system to avoid accident when driver in sleep
248. Seg way vehicle (3 wheels)
249. Self-activated center stand for two wheeler
250. Sensor Operated Automatic Reverse Braking System
251. Shaft driven bicycle with 2 speed automatic gear transmission system
252. Shock Absorber test rig using Cam and Sensors
253. Shock absorber power generation system
254. Solar E-bike with regenerative Braking System
255. Speedometer using arduino kit
256. Sterling engine with parabolic collector (Model)
257. Theo Jansen four leg walking Mechanism
258. Three axis pneumatic modern trailer
259. Total Electrical system for automobile (headlights, taillights, indicators and wiper)
260. Touch screen based automatic gear shifting system
261. Triangular air Compressor with Common Compression Chamber
262. Turbo jet engine with active magnetic bearing
263. Two Engine Synchronization for Four Wheeler
264. Variable volume engine (automatic clutch based)
265. Vehicle Accident information through SMS
266. Vehicle ignition using RFID and finger print
267. Viability of used sunflower oil as a substitute for diesel Engine
268. Water Fuel (Hydrogen/Brown gas) Engine with load test
269. Water fuel engine with power generation
270. Wheel chair using Eye shadow and touch screen
271. Wireless tyre pressure monitoring system
272. Working of air conditioning unit using damping effect of shock absorbers

**MECHANICAL/PRODUCTION**

1. A Positive Pressure Universal Gripper Based on the jamming of granule
2. Accident preventing system in cutting Machine
3. Activated Carbon Manufacturing Plant
4. Activated carbon scrubber
5. Air powered wheel chair
6. Aqua max fine (without battery)

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7. Aqua plant removing machine
8. Assistive limb for physically challenged people
9. Auto indexing gear cutting attachment for pneumatic shaping Machine
10. Auto roll punching machine using Geneva mechanism
11. Automated papercup Feeding and making machine
12. Automated Pneumatic Drilling Machine
13. Automatic agarbatti incense stickcounting and packing Machine
14. Automatic boring mechanism for foundries
15. Automatic buffing machine
16. Automatic Colour code sensing punching machine
17. Automatic Dish Washing Machine
18. Automatic Dosa making machine
19. Automatic Drilling and Tapping machine
20. Automatic Fault egg sorting machine
21. Automatic Foot Dust Cleaning Machine
22. Automatic gear milling machine using proximity sensor
23. Automatic multi point greasegun
24. Automatic oil mill mechanism
25. Automatic open well cleaning machine
26. Automatic paint spraying pick and place Equipment
27. Automatic paper cutting using Geneva mechanism
28. Automatic parking brake & automatic bumper
29. Automatic pneumatic Gear Changer
30. Automatic PVC pipe feeding and cutting machine
31. Automatic Quick tool retrieval system for industry
32. Automatic rubber processing machine
33. Automatic seeding machine
34. Automatic sheetmetalfeedingandcuttingmachine
35. Automatic thread cutting machine by using cam mechanism
36. Automatic transformer heat reduction system
37. Automatic Water level Sensing Crane
38. Automatic workpiece counting with belt conveyer
39. Bio-diesel extraction from waste plastic material
40. Book readingaid for handicapped People
41. Button Operated Multi-speed gear box
42. Calendar machine (roller)
43. Chain hooks separator & pressing machine
44. CNC Multipurpose milling machine
45. Coconut dehusking machine
46. Coconut tree climbing and cutting machine material
47. Comfort bed with vibration
48. Contour Turning Attachment for Lathe
49. Conveyor for quality control Machine
50. D & f Pneumatic brick handling machine
51. D & Fabrication of Portable Slotting Machine
52. Deflection of beam apparatus
53. Design & fabrication of automatic idly making machine
54. Design & Fabrication of Conveyor Automation

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55. Design & Fabrication of cotton baling machine
56. Design & fabrication of leaf spring fatigue testing machine
57. Design & fabrication of manual operated liquid pump
58. Design & fabrication of shoesole cleaning with polishing machine
59. Design & fabrication of spring punching machine
60. Design & fabrication of two stage bio digester
61. Design and fabrication of low cost surface finishing machine
62. Design and fabrication of ball milling machine
63. Design and fabrication of bar bending machine
64. Design and fabrication of Exo-Skeleton
65. Design and fabrication of hand operated fertilizer blender
66. Design and fabrication of human air bag
67. Design And Fabrication Of Progressive Conveyor
68. Design and Fabrication of Semi-Automatic Road Reflector Stud Installation Machine
69. Design and fabrication of unimill for lathe
70. Design of drone for seed dropping (quad copter)
71. Design of Automatic Embossing Drilling Machine
72. Detection of cavitations in venturi injector using strain gauges
73. Developing a si engine using fuel as petrol biogas blend (including testing)
74. Double leaching hack saw machine using scotch yoke mechanism
75. Double drum wet grinder
76. Dual ram shaper to reduce lead time increasing material removal rate
77. Dual ram shaper to reduce lead time and increasing material removal rate
78. Dual side water pumping system by using scotch yoke mechanism
79. Dual type grinding machine
80. Eccentric punching machine
81. Eccentric shear cutting machine
82. Electro chemical drilling machine
83. Electro-mechanical ladder
84. Exo support for legs
85. Experimental investigation of a hybrid series active power compensator to improve power quality of typical households
86. Experimental setup on Gasifier
87. Experimental study of control parameter in pulsed spray hot steel plate
88. Extraction of fuel from waste plastics using catalyst cracking & pyrolysis
89. Fabrication of Abrasive Jet Machine
90. Fabrication of air powered wheel chair
91. Fabrication of Air umbrella
92. Fabrication of Automatic shoe polisher
93. Fabrication of Axial piston pump
94. Fabrication of ball milling machine
95. Fabrication of banana Fiber Extracting Machine
96. Fabrication of Beans Sheller machine
97. Fabrication of biomass briquetting machine
98. Fabrication of Borewell child rescuing machine
99. Fabrication of Briquette burner
100. Fabrication of bucket wheel escalator
101. Fabrication of Cake decorating machine
102. Fabrication of Centrifugal Pump apparatus



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103. Fabrication of chip crushing machine
104. Fabrication of chocolate punching machine
105. Fabrication of Coconut Scraping Machine
106. Fabrication of coconut tree sprayer
107. Fabrication of Coin Separator Machine
108. Fabrication of Coir Making Machine
109. Fabrication of Crane operated camera
110. Fabrication of Doubleaxis Eccentric mobile crane
111. Fabrication of Duplex milling machine
112. Fabrication of easy lift stairs
113. Fabrication of eccentric pipe cutting machine
114. Fabrication of Electronic HackSawMachine
115. Fabrication of Engraving machine
116. Fabrication of Ferro fluid power generation
117. Fabrication of Foldable pram cum cradle
118. Fabrication of friction Welding Machine
119. Fabrication of gear tooth grinding machine
120. Fabrication of ground driller
121. Fabrication of Ground nut shelling machine
122. Fabrication ofground nut thruster
123. Fabrication of hand operated edge folding machine
124. Fabrication of Hoisting and winch drum
125. Fabrication of Hydraulic boring machine
126. Fabrication of hydraulic machine vice
127. Fabrication of Hydraulic sensing cutting machine
128. Fabrication of Indexing jig formilling fixture
129. Fabrication of Inspection Conveyor
130. Fabrication of Intelligentgot feeder
131. Fabrication of Loading and unloading crane for ship
132. Fabrication of Low cost sugar cane / rice harvester
133. Fabrication of low cost sugarcane harvester
134. Fabrication of Mechanical Seed crushing machine
135. Fabrication of Mechanical seed thruster
136. Fabrication of mechanical spider (wakingrobot)
137. Fabrication of Medical dispenser
138. Fabrication of Mini milling machine
139. Fabrication of mini vertical Lathe
140. Fabrication of Motorized forging machine
141. Fabrication of Motorized Multi-Engine Compressor
142. Fabrication of Multi-axis drilling machine
143. Fabrication of multiple wear testing machine
144. Fabrication of Multi-process Cutter
145. Fabrication of Multipurpose seed shower
146. Fabrication of Paper recycling machine
147. Fabrication of Pedal operated air compressor
148. Fabrication of Pedal Washing Machine
149. Fabrication of Pepper thresher machine
150. Fabrication of Pin ondisc type Tribometer
151. Fabrication of plastic crushing and moulding machine

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152. Fabrication of Pneumatic bell crank press
153. Fabrication of Pneumatic belt Conveyor
154. Fabrication of Pneumatic garage door opener
155. Fabrication of pneumatic pellet press
156. Fabrication of pneumatic sheet metal cutting machine with feed roller
157. Fabrication of Pneumatic Slotting Machine
158. Fabrication of potato chips making machine
159. Fabrication of Power producing pendulum kit
160. Fabrication of Quad processing machine
161. Fabrication of Rotary Kaller
162. Fabrication of Rubber tree tapping machine
163. Fabrication of scorestove
164. Fabrication of Seismic valve
165. Fabrication of sewage water treatment plant
166. Fabrication of Sheet metal Rolling Machine
167. Fabrication of shot blasting machine
168. Fabrication of Split type electrical brush cutter
169. Fabrication of Stretch wrapping machine
170. Fabrication of Swirl gripper
171. Fabrication of switch board Cutter
172. Fabrication of Three Axis Electrical crane
173. Fabrication of tool cutting force dynamo meter on lathe
174. Fabrication of Torsion (spring) testing machine
175. Fabrication of Vacuum assisted wall climber
176. Fabrication of Waste oil burning system
177. Fabrication of water soaked sole cleaning system
178. Fabrication of welding slag cleaning machine
179. Fitness equipment for localized electric power generation
180. Flapping bird uav (model)
181. Flywheel based water pump
182. Fuel processing Technology to reduce emission
183. Fully automated chapatti making machine
184. Fully Automated Hydraulic crane
185. Fully Automated potato Chip Slicemaking machine
186. Furnace using infrared Lamp
187. Gear type Injection Moulding Machine
188. Ginger cutting, feeding and drying Machine
189. Ground nut harvester with thresher
190. High speed Portable Pipe Cutting machine
191. Hill climb assist mechanism
192. Horizontal and vertical tiles cleaner
193. Hybrid high way wind turbine
194. Hydraulic clamping device with power pack
195. Hydraulic Flatcutting machine
196. Hydraulic hand operated scissor lift trolley
197. Hydraulic operated sheet bend/bend removing machine
198. Hydraulic Pipe Bending Machine
199. Intelligent Motorized Wall Painting Crane
200. Intelligent trolley for domestic cylinder

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201. Letter folding machine
202. Low cost automated hot stamping machine
203. Low cost harvesting machine for agriculture
204. Magnetic power transmission for machine
205. Magnetic repulsive engine
206. Manufacturing of cutting & sealing unit of automatic sanitary napkin making machine
207. Mechanical can crusher with automatic feeding mechanism
208. Mechanical dual can crusher
209. Metal die and aring machine
210. Metal polishing machine by using Abrasive
211. Microwave irradiation pyrolysis of rice straw in ionic liquid
212. Mini rice harvesting and threshing machine
213. Mobile automatic rubber tapping system
214. Motorized High speed four way hack saw Machine
215. Motorized Multipurpose Excavator
216. Motorized radial sheet bending machine
217. Motorized triangular air compressor
218. Multi tool operating machine
219. Multiple roller handling pneumatic manipulator
220. Multipurpose key way attachments in lathe
221. Multipurpose pneumatic sheet cutting and bending machine
222. Multipurpose sheet metal cutting and bending machine
223. Object sensing pick & place using agv
224. Optimization of process parameters in spark EDM
225. Optimization of process parameters in wire cut
226. Palm plate making machine
227. Pedal cranking mechanism for paddy wheat threshing Machine
228. Pedal operated drilling machine
229. Pedal operated hack saw and grinding machine
230. Pedal operated hydro pneumatic vice
231. Pedal operated vertical hack saw machine
232. Pedal operated wet grinder with Cell phone charger
233. Pedal operated wet grinder with Cell phone charger
234. Pedal powered reverse osmosis water purification system
235. Pedestal Spot Welding Machine
236. Pendulum based water pumping system
237. Performance analysis of a refrigeration system using Nano fluids
238. Pipe inspection robot with wireless camera
239. Pneumatic controlled inspection conveyor (3ft, inspection & removal only)
240. Pneumatic double axis excavator arm
241. Pneumatic double side cutter by using width work Mechanism
242. Pneumatic double side cutting time reduction in shaper
243. Pneumatic Machining Time Reduction in Shaping machine
244. Pneumatic machining time reduction shaper machine
245. Pneumatic Multi Axis Modern Truck
246. Pneumatic multi Axis Welding Machine
247. Pneumatic Paper cup making Machine
248. Pneumatic road marking machine
249. Pneumatic speed breaker with day and night control

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250. Pneumatic tool grinding machine
251. Polymer abrasive mixing chamber
252. Portable packing machine
253. Power generation through spring tension
254. Punching machine using whit worth mechanism
255. Remote controlled floor cleaning machine
256. Remote controlled motorized zip crane
257. Rim type pedal operated water pumping system
258. Salt water converted to purified drinking water by using pedal power
259. Semi automated wall plastering machine
260. Semi automatic transfer machine in conventional industries
261. Semi automatic weed remover in sugarcane farm
262. Semi-Automated Areca Nut Collecting conveyor
263. Sickle bar push mower
264. Solar powered compact dish washer
265. Special purpose machine for threading operation
266. Spring End Grinding Machine
267. Square holes drilling machine
268. Stroke therapy chair
269. Swivels eat for physically disabled people
270. Tapping attachment in drilling machine
271. Three axis hydraulic modern trailer
272. Three way motion for tool in ECM machine
273. Tilt & roll bed
274. T-Shirt folding machine
275. Two stage mechanical amplifier
276. Two stage mechanical oscillator (water pendulum)
277. Universal Multi Axis tool grinding machine
278. Unpowered exoskeleton boot
279. Vacuum bag Moulding Machine
280. Vacuum conveyor for industrial Application
281. Wall plastering machine
282. Water waste separator using belt conveyor
283. Wireless joystick operated machine tool for lathe

**AUTOMATION AND MECHATRONICS**

1. 91 degree turning steering mechanism
2. Accident Avoiding System for Punching Machine
3. An optical method of foot pressure monitoring & therapy for paralyzed patient
4. Anti-dazzling head light for two wheeler
5. Auto Indexing gear cutting attachment for pneumatic shaping Machine
6. Auto roll punching machine using Geneva mechanism
7. Automated overtank cleaning system
8. Automated papercup Feeding and making machine
9. Automated prosthetic leg for physically challenged
10. Automated sidestands with breaking locking system
11. Automatic acceleration control in traffic signal
12. Automatic agarbatti incense stick counting and packing Machine

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13. Automatic air delivered system based on density of oxygen in car cabin
14. Automatic ambulance rescue system
15. Automatic board cleaner with vacuum dust cleaner
16. Automatic Book reading aid for handicapped People
17. Automatic boring mechanism for foundries
18. Automatic break in hill station
19. Automatic car covering system
20. Automatic Car Parking System for apartment Building
21. Automatic car window opening by using sound & oxygen sensor
22. Automatic chocolate punching machine
23. Automatic Colour code sensing punching machine
24. Automatic Differential unit Locking System
25. Automatic Dish Washing Machine
26. Automatic Distance Measurement and Braking System By using Ultrasonic Waves
27. Automatic Dosa making machine
28. Automatic double axis Pneumatic JCB Equipment
29. Automatic Double Axis Welding Machine
30. Automatic drunken drive avoiding with helmet locking system
31. Automatic Electro Hydraulic Braking System
32. Automatic emergency exit and tyre inflation system
33. Automatic Engine oil alerting system
34. Automatic Fire fighting cum material handling vehicle
35. Automatic Foot Dust Cleaning Machine
36. Automatic gear changer in bicycle
37. Automatic gear milling machine using proximity sensor
38. Automatic Ginger cutting, feeding and drying machine
39. Automatic Humidification system
40. Automatic idly batter filling mechanism
41. Automatic Lemon cutting machine for pickle industry or lemon slicer
42. Automatic multi directional photo shearing machine
43. Automatic open well cleaning machine
44. Automatic over load indication for bridge
45. Automatic Packing control Machine
46. Automatic Paint Spaying Equipment
47. Automatic paper cutting using Geneva mechanism
48. Automatic parking and braking system
49. Automatic pneumatic bumper and break actuation before collision
50. Automatic pneumatic emergency exit
51. Automatic Pneumatic gear shifting in two wheeler
52. Automatic Pneumatic speed breaker with day and night control
53. Automatic PVC pipe feeding and cutting machine
54. Automatic railway track crack detecting Vehicle
55. Automatic Rain operated wiper and Head light Dim / Bright Controller
56. Automatic Rain sensing window for Home
57. Automatic safety systems for rail way coaches
58. Automatic sheet metal feeding and cutting machine
59. Automatic Shoe polisher machine with coin box
60. Automatic Side stand retriever System for two wheeler
61. Automatic speed breaker depending upon vehicle overspeed control

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62. Automatic speed breaker for preventing accident in school zone
63. Automatic Spring End Grinding Machine
64. Automatic Stair climbing wheel chair
65. Automatic Steering alignment system with Head light Dim/Bright controller
66. Automatic steering control system for Automobile
67. Automatic thread cutting machine by using cam mechanism
68. Automatic turbo charger at low and high speed
69. Automatic Vehicle Accident Information System
70. Automatic vehicle accident prevention system
71. Automatic vehicle over loading alert system
72. Automatic Vehicle Overspeed controlling system for School Zone
73. Automatic Voice controlled Wheel Chair
74. Automatic work piece counting with belt conveyer
75. Automation in diode assembly for industry
76. Automation of front plate assembly of rotary switch
77. Automation of Neural control of a fully actuated biped robot
78. Automation of Steer-by-wires system for cars
79. Automation of Violent elephant controlling mechanism
80. Automobile dual side wiper system with mist control
81. Coconut tree climbing and cutting machine
82. Combination of emergency, intelligence and anti-lock Braking System
83. Conveyor for quality control (Automatic)
84. Cricket ball shooter for amateurs
85. D & F of Automatic Pneumatic Printing Press
86. Design & Automation of Smart blind stick
87. Design & fabrication of automatic lime juicer
88. Design & fabrication of automatic soil monitoring robot
89. Design & fabrication of Camshaft operated automatic gear change for two wheeler
90. Design & fabrication of Conveyor Automation
91. Design & fabrication of Double axis drilling machine
92. Design & fabrication of hotel serving robot
93. Design & fabrication of modified sand muller
94. Design & fabrication of Self balancing vehicle
95. Design & fabrication of Semi-Automatic Road Reflector Stud Installation Machine
96. Design & fabrication Wall glass cleaning machine
97. Design of automatic plastic separation module for municipal solid waste
98. Digital locking system (Password) for Two wheeler
99. Electro Hydraulic System for Automation in Vehicle
100. Electronic assisted hydraulic Braking System
101. Electronic Fuel Injection (EFI) system for two wheeler
102. Engine cooling and fuel preheating using peltier element
103. Eyeblink sensor based automatic bumper and breaking system
104. Fabrication & automation of vibro cleaning process in a typical diecasting industry
105. Fabrication of Airbag Automation
106. Fabrication of Anti drown vehicle
107. Fabrication of Anti theft steering system
108. Fabrication of Anti-lock Braking System (ABS)
109. Fabrication of Automated gardener
110. Fabrication of Automatic Electro hydraulic Jack

**CHENNAI-PONDICHERRY**

111. Fabrication of Automatic Fault egg sorting machine
112. Fabrication of Automatic foot board break system for car
113. Fabrication of Automatic multi-point grease Gun
114. Fabrication of automatic punching/Printing conveyor
115. Fabrication of Automatic Railway Gate Controller
116. Fabrication of Automatic shoe polishing machine
117. Fabrication of Automatic weighing and packing machine
118. Fabrication of Button operated hydraulic jack
119. Fabrication of Electrode flux remover
120. Fabrication of Hydraulic sensing cutting machine
121. Fabrication of Intelligent Braking System (IBS)
122. Fabrication of Multi safety system in bumper
123. Fabrication of Paper recycling machine
124. Fabrication of Pneumatic Auto gear changer
125. Fabrication of Pneumatic garage door opener
126. Fabrication of Quantity based sorting machine
127. Fabrication of Remote operated weapon System
128. Fabrication of Semi automatic weed remover
129. Fabrication of Stretch wrapping machine
130. Fabrication of three axis CNC milling machine
131. Fabrication of Tilting fan
132. Fabrication of unaided automatic tri cycle
133. Fabrication of Unaided Guided Vehicle (UGV)
134. Fabrication of Wall climbing robot (by using magnet)
135. Flying ball (tricopter)
136. Fully Automated potato Chip Slice making machine
137. GPS based vehicle root tracking system
138. GSM Based two wheeler security system
139. High efficient cooling system with help of BLDC motor
140. High way high Speed sensing and Automatic Pneumatic Braking System
141. Hower board
142. Hydraulic based emergency rescue ladder
143. Hydraulic parking attachment for car
144. Hydroclone & electro-chlorinator
145. Integrated drunk and drive prevention system
146. Intelligent active Suspension system for two wheeler
147. Intelligent trolley for domestic cylinder
148. Joystick control wheel chair for physically challenged people
149. Mechanical can crusher with automatic feeding mechanism
150. Mine detecting hovercraft with camera
151. Mobile automatic rubber tapping system
152. Motorized 3-axis Electro chemical drilling machine
153. Multi tasked smart Wheelchair for physically challenged people
154. On board sprinkling system
155. Over Speed Indication and Automatic Accident Avoiding System for Four Wheeler
156. Pcm based thermal energy storage device in solar water heater
157. Plc based paper plate vending machine
158. Plc based shoe polishing & foot cleaning machine
159. Pneumatic Auto feed Drilling Machine

**CHENNAI-PONDICHERRY**

160. Pneumatic controlled steps in bus with break locking system
161. Portable medical ventilator with motor speed control
162. Potato peeling & slicing machine(automatic)
163. Prevention kit for driving two wheeler without helmet
164. Punching machine using with worth mechanism (Automatic)
165. Queries controlling system for two wheeler
166. Quick tool retrieval system for industry
167. Remote controlled handicapped Wheelchair cum bed
168. Remote controlled hydraulic jack trolley
169. Remote controlled Scrap collecting Vehicle
170. Remote operated fire fighting & surveillance system
171. Remote operated wireless crane control system
172. Restaurant monitoring system
173. Safety system to avoid accident when driver in sleep
174. Semi automated Areca Nut/Coconut Collecting conveyor
175. Semi automatic wall plastering machine
176. Semi-automatic transfer machine in conventional industries
177. Sensor Based Automatic Water level Sensing Crane
178. Sensor Based Inspection Conveyor
179. Sensor fusion based vacant parkings lot detection and tracking with RFID
180. Sensor Operated Automated Guided Vehicle (AGV)
181. Sensor Operated Automatic Ramming Machine
182. Sensor operated electronic clutch with switched gear shifting
183. Sensor Operated Fire Fighting AGV(Automatic)
184. Sensor Operated Foot dust cleaner
185. Shaft driver bicycle with 2 speed automatic gear transmission system
186. Smart life saving jacket
187. Smart trolleys in malls
188. SMS based automated guided vehicle
189. SMS based automatic vehicle accident information system
190. SMS punching and riveting with accident avoidance system
191. Solar powered smart irrigation system(with moisture sensor)
192. Step climber planetary gear mechanism
193. Student attendance monitoring system using microcontroller
194. The wingy project (automatic baby cradle)
195. Touchscreen based automatic gear shifting system
196. Two Wheeler Automation with security System
197. Vehicle ignition using RFID and finger print Sensor
198. Visual and in gear arrangement with Tyre Pressure Inflation system
199. Wheelchair using shadow and touch screen
200. Wireless joy stick operated machine tool for lathe

**ROBOTICS**

1. Accelerometer and tactile controlled robot
2. Accelerometer controlled robot using mobile phone
3. AI Based Automatic Path finding Cum Video Analyzing Robot
4. AI based solar vehicle and coin based electronic bus conductor
5. An intelligent mobile Robot navigation technique using RFID Technology



**CHENNAI-PONDICHERRY**

6. Areca nut tree climbing and cutting robot
7. Artificial Intelligent based Solar Vehicle
8. Automated Guided Vehicle (AGV)
9. Automated prosthetic leg for physically challenged
10. Automatic fire fighting Robot with visitor guided
11. Automatic Human Seeker Robot with Body Heat Scanner
12. Automatic lawnmower Robot
13. Automatic motorized Arc Welding Robot
14. Automatic open well cleaning robot
15. Automatic Paint spraying Robot
16. Automatic pick and place paint spraying Robot
17. Automatic Scrap collecting Robot
18. Automatic smart Robot for library
19. Automatic Steering Control Robot
20. Automatic Vehicle Accident Information System
21. Autonomous Line tracking Robot with Obstacle Avoidance
22. Building an Autonomous Light Finder Robot
23. Cell Phone controlled pick and place Robot
24. CPR parallel robot for heart patient in hospital application
25. D & f Pneumatic brick handling robot
26. Distance Monitoring and Object Detecting Robot
27. Fabrication of Anti drown vehicle
28. Fabrication of Automatic Stair climbing Robot
29. Fabrication of Bipedal walking robot
30. Fabrication of Bore well child rescuing Robot
31. Fabrication of Concrete spray robot
32. Fabrication of Fire Fighting Robot
33. Fabrication of Fire fighting AGV
34. Fabrication of Fly car
35. Fabrication of Go-kart car
36. Fabrication of Kinematic walker Robot
37. Fabrication of mechanical spider (walking robot)
38. Fabrication of Mini Robot Car
39. Fabrication of Multi-purpose Soldier robot
40. Fabrication of Path finding Robot
41. Fabrication of Pneumatic Ball Printing Robot
42. Fabrication of Quad bike
43. Fabrication of Robot manipulator
44. Fabrication of Swirl gripper
45. Fabrication of Tennis ball collector robot
46. Fabrication of unaided automatic tri cycle
47. Fabrication of Unaided Guided Vehicle (UGV)
48. Fabrication of under water robot
49. Fabrication of Vacuum assisted wall climber
50. Fabrication of wall climbing and cleaning robot
51. Fabrication of Wheel chair cum stretcher model
52. Fire Fighting Robot with Auto Dialer Facility
53. Fully Automated Track Guided Vehicle (ATGV)
54. Hum and detection in robot search & rescue using PIR

**CHENNAI-PONDICHERRY**

55. Human Eye Robot (Model)
56. Image processing based PC inspection Robot
57. Intelligent oil skimmer Robot
58. IVRS Based Control of Alive Human Being Detector with Voice Feedback
59. Kinematics analysis of a parallel robot with a passive segment
60. Man less defense multipurpose robot
61. Multi tasked smart Wheelchair for physically challenged people
62. Multiple roller handling pneumatic manipulator
63. Neural control of a fully actuated biped robot
64. Object Tracking Robot Using Image Processing
65. Pick and Place Robot with Remote Control
66. PIR based human focus movement Robot
67. Pneumatic Double axis JCB Robot
68. Pneumatic Four (or) six Axis Material Handling Robot
69. Real time security guard robot using GSM/ CDM Anet working
70. Remote controlled bomb detecting Robot
71. Remote controlled paint spraying Robot
72. Remote Controlled Video Analyzing pick and place Robot
73. Remote Controlled Water Splash Robot for Gardening
74. Remote operated weapons Robot for Military
75. Rescue Robo for Deep Well
76. Rescue Robot for Military Purpose
77. Ripened fruit identification and picking robot
78. Robot Assistive limb for physically challenged people
79. Robot controlled Vacuum Cleaner
80. Robot with Search and Rescue Feature for an Accident Area or Natural Disaster Area
81. Robotic arm (pneumatic)
82. Simple leg walking mechanism
83. Smart Tanker Robot for Security Operations
84. SMS Based Alive Human Detector in Affected Areas/War Fields
85. SMS based automated guided vehicle
86. SMS Based automatic vehicle accident information system
87. SMS controlled video analyzing Robot
88. SMS Enabled Autonomous Robotics for Military
89. Solar operated automatic seed sowing Vehicle
90. The Autonomous Navigation of Intelligent Robots for Risky Interventions
91. The Watchdog - Robot Inspector for a Fire Hazards Area
92. Un powered exoskeleton (2hand)
93. Visitor guided with material handling Robot
94. Voice operated intelligent mobile Robot
95. Walking Robot with Hyper Line Tracker Using IR Sensors
96. Wheel chair using Eye shadow and touch screen
97. Wild fire detection using iot
98. Wireless PC based Voice Based Path Control Robot

**PNEUMATIC AND HYDRAULIC**

1. Accident avoiding System for Punching Machine
2. Active brake torque vectoring in Differential unit

**CHENNAI-PONDICHERRY**

3. Air powered wheelchair
4. Auto indexing gear cutting attachment for pneumatic shaping Machine
5. Automated papercup Feeding and making machine
6. Automatic Coconut cutting Machine
7. Automatic differential unit locking System
8. Automatic Electro Hydraulic Braking System
9. Automatic Electro hydraulic Jack
10. Automatic emergency exit and tyre inflation system
11. Automatic Fault Eggsorting machine
12. Automatic hydro-pneumatic Lubrication System
13. Automatic multi point grease gun
14. Automatic paint spraying Equipment
15. Automatic parking breaking system for four wheeler
16. Automatic Pick and Place paint spraying Equipment
17. Automatic Pneumatic Bottle washing machine
18. Automatic pneumatic bumper and break actuation before collision
19. Automatic Pneumatic Chapatti making machine
20. Automatic pneumatic double axis welding machine
21. Automatic Pneumatic gear milling machine
22. Automatic Pneumatic Hammer
23. Automatic pneumatic Jack for Four Wheeler
24. Automatic Pneumatic punching and riveting Machine
25. Automatic Pneumatic Ramming Machine
26. Automatic pneumatic reciprocating grinding machine
27. Automatic Pneumatic sheet Cutting Machine
28. Automatic pneumatic Spring End Grinding Machine
29. Automatic pneumatic vice and jack
30. Automatic PVC pipe feeding and cutting machine
31. Automatic Reverse locking system using differential unit
32. Automatic Sensor Operated Pneumatic Braking System
33. Automatic sheet metal feeding and cutting machine
34. Automatic sidestands with breaking locking system
35. Automatic two ram hydraulic steering of ship
36. Automatic wall painting Robot
37. Automation in diode assembly for industry automation
38. Automobile suspension made of hydraulic magneto rheological damper
39. Button operated Pneumatic gear changer in two wheeler
40. Combination of emergency, intelligence and anti-lock Braking System
41. Compressed air generation using speed breaker
42. Compressed air production using vehicle suspensor
43. Compressor gas level digital indicator with alarm system
44. CPR parallel robot for heart patient in hospital application
45. D & F of Pneumatic Automatic Printing Press
46. Design & fabrication of riser removal in the casting by pneumatic piston
47. Design and fabrication of bar bending machine
48. Design and fabrication of human air bag
49. Double axis pneumatic JCB Equipment
50. Electro hydraulic System for Automation in Vehicle
51. Electronic Assisted hydraulic breaking system

**CHENNAI-PONDICHERRY**

52. Eyeblink sensor based automatic breaking and bumper system
53. Fabrication of Air bag system for two wheelers
54. Fabrication of Air brake system using exhaust gas
55. Fabrication of Anti drown vehicle
56. Fabrication of Auto feed pneumatic vice
57. Fabrication of Automatic Colour code sensing punching machine
58. Fabrication of Borewell childres cuing machine
59. Fabrication of coconut tree sprayer
60. Fabrication of Foot board break system for car
61. Fabrication of Hydraulic boring machine
62. Fabrication of Hydraulic fork lift
63. Fabrication of hydraulic machinevice
64. Fabrication of Hydraulic sensing cutting machine
65. Fabrication of Hydraulic tail stock
66. Fabrication of Magnetor heological clutch with load test
67. Fabrication of Mini Hydraulic Press
68. Fabrication of Pedal operated air compressor
69. Fabrication of Pneumatic bell crank press
70. Fabrication of Pneumatic Belt Conveyor
71. Fabrication of pneumatic cargo weight lifter
72. Fabrication of pneumatic disc brake
73. Fabrication of Pneumatic garage door opener
74. Fabrication of Pneumatic Mobile Crane
75. Fabrication of Pneumatic Multipurpose Machine
76. Fabrication of pneumatic pelletpress
77. Fabrication of Pneumatic Slotting Machine
78. Fabrication of Pneumatic steering for ship
79. Fabrication of Smart energy monitoring break over module
80. Fabrication of threeaxis pneumatic Modern Trailer
81. Fabrication of Vacuum assisted wall climber
82. Foot operated hydraulic vice
83. Fully Automated Hydraulic crane
84. Generative Braking System using pneumatic interface
85. Hydraulic armature bearing remove system
86. Hydraulic Break show Riveting Machine
87. Hydraulic Cylinder Liner Puller
88. Hydraulic hybrid system for four wheeler
89. Hydraulic Lift with Power pack
90. Hydraulic Lift with Pressure Booster
91. Hydraulic lifting system for four wheeler
92. Hydraulic oil pump testing Equipment
93. Hydraulic parking attachment for car
94. Hydraulic Pipe Bending Machine
95. Hydraulic sheet bending machine with power pack
96. Hydraulic TMT rod bending Machine
97. Hydro-Pneumatic Vice with Pressure Booster
98. Inbuilt hydraulic jack for automobile
99. Injection molding for keycover plate
100. Intelligent Active Suspension system for two wheeler

**CHENNAI-PONDICHERRY**

101. Kinematics analysis of a parallel robot with a passive segment
102. Magneto hydro dynamic (MHD) breaking
103. Magnetorheological fluid (MRF) Braking System
104. Manual Hydraulic sheet bend /bend removing machine
105. Manual Hydraulic sheet cutting machine
106. Mini Hydraulic Hand Operated Zip Crane
107. Motorized triangular air compressor
108. Multiple roller handling pneumatic manipulator
109. Multipurpose sheetmetal cuttingand bending machine
110. Paper Cup Making Machine
111. Pneumatica crylic sheet bending machine
112. Pneumatic Anti-theft steering system
113. Pneumatic Autofeed Drilling Machine
114. Pneumatic Autofeed Punching Machine
115. Pneumatic Autofeed Riveting Machine
116. Pneumatic Auto gear changer
117. Pneumatic automatic Vegetable Cutting Machine
118. Pneumatic Bearing Pressand Puller
119. Pneumatic Bending/ Bend Removing Machine
120. Pneumatic biomass briquetting machine
121. Pneumatic brick handling machine
122. Pneumatic Coconut dehusking machine
123. Pneumatic controlled steps in bus with break locking system
124. Pneumatic Cuttingand Grinding Machine
125. Pneumatic doubl eaxis escalator arm
126. Pneumatic doubleside cutter width work Mechanism
127. Pneumatic Envelope Cover making machine
128. Pneumatic Four (or) Six axis JCB Equipment
129. Pneumatic Gear tooth grinding machine
130. Pneumatic Injection Moulding Machine
131. Pneumatic Leaf-Cup Making Machine
132. Pneumatic mould making machine for gear wheel
133. Pneumatic Multipurpose GrindingMachine
134. Pneumatic Multipurpose Press System
135. Pneumatic Operated Anti-Lock Braking System (ABS)
136. Pneumatic Operated Emergency Braking System (EBS)
137. Pneumatic Operated Inspection conveyor
138. PneumaticOperatedIntelligent Braking System(IFS)
139. Pneumatic operated ladletilting mechanism for foundries
140. Pneumatic plastic crushing and Moulding machine
141. Pneumatic powered bicycle
142. Pneumatic reciprocating Hack saw Machine
143. Pneumatic Reciprocating Water Pumping System
144. Pneumatic road marking machine
145. Pneumatic scissor Lifter
146. Pneumatic six axis material handling Equipment
147. Pneumatic speed breaker with dayandnight control
148. Pneumatic time reduction in Shaping Machine
149. Pneumatic trainer kit with air compressor

**CHENNAI-PONDICHERRY**

150. Pneumatic wheel chair cum bed
151. Quick lifting hydraulic jack with gear arrangement
152. Remote controlled car/bus door open/close mechanism
153. Remote controlled hydraulic jack trolley
154. Safety system to avoid accident when driver insleep
155. SMS Pneumatic punching and riveting with avoiding accident system
156. Three axes Hydraulic Modern Trailer

**NON CONVENTIONAL SOLAR/WIND**

1. Advanced Solar Water Heater with Electricity Generation
2. Agricultural Paddy Cleaning System by using Solar Power
3. AI based solar vehicle and coin based electronic bus conductor
4. Air borne wind mill energy system
5. Application of evaporation air cooler coupled with solar water heater for dehumidification of indoor air
6. Automated Rain Operated Wiper using solar energy
7. Automatic board cleaner using solar energy
8. Automatic wind blade pitch controlling system
9. Bio-diesel extraction from waste plastic material
10. Cell phone controlled Solar Vehicle
11. Coin Based Solar Mobile Phone Charger
12. Conversion of seawater into drinking water using solar panel
13. Design & fabrication of compressed air generated using speed breaker
14. Design & fabrication of Dual rotor wind turbine
15. Design & fabrication of greengym
16. Design & fabrication of Portable steam generator with iron box
17. Design & fabrication of Diffuser Type Hybrid wind turbine
18. Design and Fabrication of Blade less Turbine With Propeller
19. Design and fabrication of helical type vertical axis wind turbine
20. Design and fabrication of manually track parabolic solar disc for in-house cooking
21. Design and performance of a vacuum single basin solar still
22. Development of a New high-tech walking electric bike using solar power
23. Development of A Soft Robotic Arm Gripper Using A Micro Pump
24. Development of Artificial Intelligent based Solar Vehicle
25. Development of basin solar still by adding magnetic treatment unit and double glass cover provided with water
26. Development of Solar Automated Guided Vehicle (Solar AGV)
27. Dual Axis automatic Solar panel Tracking System
28. Effect of Nano fluids in a modified vacuum single basin solar still
29. Electric scooter powered by wind & piezo electric power
30. Electric scooter powered by wind & Piezo electric power and solar
31. Electrical energy can be produced by using vibration
32. Electrical power generation from wind energy, solar energy and rain water
33. Electrical power generation system by using Gasifier
34. Electrical Power Generation system using Railway track
35. Electrical Power Generation using Speed Breaker
36. Electrical Power Generation using steam Power Plant
37. Electrical Power Generation using Thermal Power Plant

**CHENNAI-PONDICHERRY**

38. Electricity and Water Pumping System using Wind Mill
39. Energy conversion from Road ways using kinetic motion
40. Energy harvesting using back pack
41. Energy-harvesting shock absorber with a mechanical motion rectifier
42. Experimental analysis of solar powered ventilation coupled with thermoelectric
43. Experimental analysis of solar water heater using porous medium and agitator
44. Experimental setup and Application of Nanofluids in solar water heater
45. Experimental study and testing of Solar flatplate collector with concrete and adjustable glass cover
46. Experimental study on single basin solar still augmented with biomass water heater
47. Fabrication and performance test of a model solar refrigeration system
48. Fabrication of Automatic Solar Board Cleaner
49. Fabrication of Basin type solar still multiple floating porous absorbers
50. Fabrication of Battery Cycle
51. Fabrication of Bicycle wind turbine
52. Fabrication of Buggy with solar Hybrid vehicle
53. Fabrication of darrieus rotor wind turbine
54. Fabrication of Diffuser Type wind mill
55. Fabrication of Double Effecting Solar Cooker
56. Fabrication of Double reflection solar still
57. Fabrication of Energy produced from running vehicle
58. Fabrication of Foot Step Power generation
59. Fabrication of Fuel cell bike
60. Fabrication of Gravity based power generation
61. Fabrication of High way wind turbine
62. Fabrication of Hydro Power plant
63. Fabrication of Incinerator cum generator
64. Fabrication of Mobile charging from shoe
65. Fabrication of Non conventional Air compressor
66. Fabrication of Osmotic power plant
67. Fabrication of paddling washing machine
68. Fabrication of Pedal operated air compressor
69. Fabrication of Pedal operated drilling machine
70. Fabrication of Pedal operated grinding machine
71. Fabrication of Piezoelectric Powered Cycle
72. Fabrication of Power producing pendulum kit
73. Fabrication of Solar Air Cooler
74. Fabrication of Solar Air Dryer
75. Fabrication of Solar Automatic Stair climbing wheel chair
76. Fabrication of Solar Automobile Fridge
77. Fabrication of Solar Car
78. Fabrication of Solar car lift jack
79. Fabrication of Solar E-cycle
80. Fabrication of Solar Electric Gear bike
81. Fabrication of Solar Fan with Lighting System
82. Fabrication of Solar fertilizer Sprayer
83. Fabrication of Solar Hybrid Car
84. Fabrication of solar irrigation System
85. Fabrication of Solar Multi-Purpose (Agro/Seed)Sprayer

**CHENNAI-PONDICHERRY**

86. Fabrication of Solaroven
87. Fabrication of Solar peltier air conditioner
88. Fabrication of Solar race car
89. Fabrication of Solar room warmer
90. Fabrication of Solar Seed Dryer
91. Fabrication of Solar Seeds Sprayer
92. Fabrication of Solar sterling engine (Model)
93. Fabrication of Solar Train
94. Fabrication of solar UPS
95. Fabrication of Solar water fountain
96. Fabrication of Solar wood cutter
97. Fabrication of Steam engine (flamegulptingengine)
98. Fabrication of Thermal storage unit usingPCM
99. Fabrication of Tilting three wheeler with a hybrid system
100. Fabrication of tunnel type solar still
101. Fabrication of vertical dual rotor wind turbine
102. Fabrication of V-Trough solar water heater
103. Fabrication of Waste oil burning system
104. Fabrication of water tunnel
105. Fabrication of Wind EnergyVehicle
106. Fitness equipment for localized electric power generation
107. Floating turbine with power generation
108. Generation ofelectricity from cycling exercise(250w generator)
109. Generation of electricity from ocean waves using rack and pinion mechanism
110. Generative Braking System using pneumatic interface
111. Horizontal Turbine Type Domestic Wind Mill
112. Hybrid vehicle with regenerative breakingin motor cycle
113. Indirect typesolar dryerintegrated with solar air heater
114. Intelligent solar-powered automobile ventilation system
115. Kinetic Energy Recovery System (KERS) cycle
116. Low pressure solar water heater with auto tracking
117. Nano fluids based Solar desalination using flashing technique
118. Non Conventional Method of Water Pumping Using Vertical Wind Turbine
119. Non-Conventional Door based power generation System
120. Parametric study on the thermal performance of the solar air heater with energy storage
121. Pedal cranking mechanism for paddy wheat threshing Machine
122. Pedal operated Solar cell phone charger
123. Pedal operatedwet grinder with Cell phone charger
124. Performance analysis of single and dual slope solar still with biomass and juteseparately
125. Performance evaluation of solarair collector with transpired absorber and cover
126. Photovoltaic thermal hybrid solar water heater
127. Pollution free Miniature incinerator
128. Power generation from organic waste of college canteen
129. PV panel cooling using stack effect
130. Pyro electric energy harvesting from solar and wind energy
131. Reflecting mirror type solar steam generator
132. Remote controlled Solar oil skimmer Robot



**CHENNAI-PONDICHERRY**

133. Remote controlled solar powered handicapped tilting wheelchair
134. Salt water converted to purified drinking water by using revolving gate
135. SMS controlled solar vehicle
136. Solar absorption air conditioner
137. Solar Agricultural Water Pumping System With Auto tracking
138. Solar aided portable vacuum desalination plant
139. Solar Air Cooler cum Heater with Auto Tracking
140. Solar air heater by using Solar still
141. Solar Automated Track Guided Vehicle (SolarATGV)
142. Solar Automated Traffic and Street Light Controller
143. Solar automatic head-lamp alignment system with dim/bright controller
144. Solar Automatic step climber
145. Solar Automobile air conditioner
146. Solar based advanced vehicle movement system using windmill
147. Solar cabinet drier integrated with biomass
148. Solar dryer with multiple PCM
149. Solar Electric GoPed Drive
150. Solar enhanced energy efficient food processor
151. Solar grass cutter with automatic tracking
152. Solar Kettle (or) Solar Parabolic Collector
153. Solar operated automatic seed sowing Machine
154. Solar operated portable vacuum cleaner
155. Solar Peltier air cooler cum heater
156. Solar plus Compressor Heat Desalinator Water Still
157. Solar powered Auto charging grinding machine
158. Solar powered automatic Fire Fighting Robot
159. Solar powered automatic temperature controller with cooling system
160. Solar powered tea leaf cutting machine
161. Solar powered thermo-electric refrigerator
162. Solar powered vapour absorption Refrigerator
163. Solar Powered Visitor Guided with Material Handling Vehicle
164. Solar railway track crack detecting vehicle
165. Solar Seed Dryer with Auto tracking
166. Solar still coupled with air conditioner
167. Solar still integrated with settling tank for effluent treatment
168. Solar still with and without external magnetic treatment
169. Solar trough collector with auto tracking
170. Solar Water Heater with parabolic collector
171. Solar Water Purification by using thermal method
172. Solar water purification combined with FPC and ETC
173. Solar water service station for two wheeler
174. Solar Wheel Chair for physically Disabled generator on unroofed parked vehicle
175. Swing electricity generation system
176. VIVACE (vortex induced vibration aquatic clean energy) a new concepting generation of clean and renewable energy from fluid flow
177. Water Turbine Power generation System
178. Wind and Solar Hybrid system for home

**AGRICULTURE**

**CHENNAI-PONDICHERRY**

1. A Fabrication of pepper thresher machine
2. Agricultural Motor Pump Running using Solar Power
3. Agricultural multi purpose robot
4. Agricultural Paddy Cleaning System by using Solar Power
5. Agro-bike
6. Areca nut tree climbing and cutting robot
7. Automated solar farm
8. Automatic Coconut cutting Machine
9. Automatic Fault egg sorting machine
10. Automatic Ginger cutting, feeding and drying machine
11. Automatic guided farm land cleaning machine
12. Automatic Moisture and Light Controlling System for Garden
13. Automatic seed sowing machine for plant nursery
14. Automatic seed sowing and Packing Machine
15. Automatic Vegetable (or) Lemon Cutting machine
16. Automatic Water level Sensing Crane for Agricultural Pump
17. Bio fuel extractor from Bio Oil
18. Bio-diesel extraction from waste plastic material
19. Coconut dehusking machine (model)
20. Coconut tree climbing and cutting machine
21. Design & development of natural vegetable & fruits preservative
22. Design & fabrication of engine operated tiller cultivator
23. Design & fabrication of plant trimmer
24. Design and development of natural vegetables/fruits Preservative
25. Design and fabrication of hand operated fertilizer blender
26. Design and implementation of solar bldc motor pumping system
27. Dual powered multi-purpose solar agricultural sprayer
28. Electricity and Water Pumping System using Wind Mill
29. Experimental setup on Gasifier
30. Fabrication of Automated gardener
31. Fabrication of Automatic Lawn Mower
32. Fabrication of automatic oil mill mechanism
33. Fabrication of Banana fiber extracting machine
34. Fabrication of beans Sheller machine
35. Fabrication of biomass briquetting machine
36. Fabrication of briquette burner
37. Fabrication of Centrifugal Pump apparatus
38. Fabrication of Coconut Dehusking machine
39. Fabrication of coconut scraping machine
40. Fabrication of coconut tree sprayer
41. Fabrication of decorticator seed kernel extractor
42. Fabrication of Ground nut Harvester
43. Fabrication of Ground nut shelling machine
44. Fabrication of ground nut thruster
45. Fabrication of Laminar flow water fountain
46. Fabrication of low cost harvesting machine
47. Fabrication of Low cost sugarcane harvester
48. Fabrication of Maize de-Husker
49. Fabrication of Manual Lawn Mover

**CHENNAI-PONDICHERRY**

50. Fabrication of Mechanical Seed crushing machine
51. Fabrication of Mechanical seed thruster
52. Fabrication of motor less weed cutter
53. Fabrication of Multi Agri cutter
54. Fabrication of Multi utility agricultural vehicle
55. Fabrication of Multipurpose seed shower
56. Fabrication of paddy cleaner for agro seeds
57. Fabrication of Paddy harvesting and threshing machine
58. Fabrication of Plant cutter
59. Fabrication of Plant transplanter
60. Fabrication of Role Type Agro Sprayer
61. Fabrication of Rotary Kaller
62. Fabrication of Rubber tree tapping machine
63. Fabrication of Seeds Sprayer
64. Fabrication of Semi-automatic Weedre mover in sugar cane farm
65. Fabrication of Solar Agro Sprayer
66. Fabrication of Solar Birds Scarer
67. Fabrication of Solar Seed Dryer
68. Fabrication of Solar Seeds Sprayer
69. Fabrication of Solar vegetable Air dryer
70. Fabrication of Solar water fountain
71. Fabrication of Sun flower harvesting machine
72. Fabrication of Tomato grader
73. Fabrication of vegetable slicing Machine
74. Fruit ripener for farmers
75. Fully Automated potato Chip Slicemaking machine
76. Gas Converted Power Sprayer
77. GPS Guided Modular design Mobile robot plat form for agricultural Applications
78. Hybrid flour mixing machine
79. Hydraulic 3 axis Modern Trailer for Agriculture
80. Mobile automatic rubber tapping system
81. Motor operated vegetable cutting machine
82. Pedal cranking mechanism for paddy wheat threshing Machine
83. Pedal operated Agricultural Water pumping system
84. Pendulum based water pumping system
85. Pesticidesprayer using quad copter
86. Pneumatic 3 Axis ModernTrailer for agriculture
87. Pneumatic ground driller
88. Pneumatic press for coconut pith blocking machine
89. Pneumatic scissorjack for loading vegetables tolorry
90. Portable vegetable cutterand slicer
91. Power generation from organic waste of college canteen
92. Rear wheel steering for trailer trucks
93. Roller type automatic agro sprayer
94. Semi automated Areca Nut Collecting conveyor
95. Solar cabinet seed drier integrated with biomass
96. Solar enhanced energyefficient food processor
97. Solar grass cutter with automatic tracking
98. Solar operated automatic seed sowing Machine

**CHENNAI-PONDICHERRY**

99. Solar operating automatic seed sowing machine
100. Solar Powered Agricultural Water Pumping System with Auto Tracking
101. Solar powered tealeaf cutting machine
102. Solar seed Dryer with Auto Tracking
103. Solar seed dryer with multiple PCM
104. Sugarcane harvesting machine(withengine)
105. Tender coconut trimming machine
106. Tree branch cutting machine
107. Tree mover
108. Universal cutter(speciallyfor coconutandareca nut)
109. Viability of used sun flower oil as a substitute for diesel
110. Virgin coconut oil making machine
111. Water pumping system using Wind Power
112. Wood Burning Stove with Solar

**AERONAUTICAL/MARINE**

1. Acetylene powered Jet engine
2. Aeroplane Controlling System(FlyingModel)
3. Aeroplane Controlling System (Glider model)
4. Aeroplane Run way monitoring and checking system by using web cam
5. Aeroplane Visual landing gear arrangement with Tyre Pressure Inflation system
6. Aeroplane controlling system (model)
7. Air lubrication for ships
8. Air propulsion motor boats with remote control
9. Alternate Fuel for Marine Engine
10. Anti hijacks systems for Aeroplane
11. Automatic Accident avoiding system for Ship by using Obstacle sensor
12. Automatic two ram hydraulic steering of ship
13. Biowaste convert to biogas using marine
14. Cargo carrier ship model
15. Compartment wise emergency exit in Aeroplane
16. Cyclone separator with blower
17. Design & fabrication hovercraft
18. Design and fabrication Solar hover bike (model)
19. Design of a flight stabilizer system and automatic control using hil test platform
20. Development of pvd-ultrasonic sensor based aircraft landing gear control system
21. Development of solar boat with in-built cooling system for solar panel
22. Electro Hydraulic Steering System for Ship
23. Emergency Hydraulic steering used in ship
24. Enrichment of bio gas using water scrubbing
25. Fabrication of Aerodynamic design for buses
26. Fabrication of Aluminium sail boat
27. Fabrication of analysis of liquid propellant rocket engine with Gimbaling and GSM for control ignition and thrust vectoring
28. Fabrication of black box in Aeroplane
29. Fabrication of combustion chamber for rocket engine
30. Fabrication of Flycar
31. Fabrication of Hydro phoresystem in ship

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32. Fabrication of manual operating spoiler in a vehicle
33. Fabrication of Marine Engine Model
34. Fabrication of mine detecting hover craft with camera
35. Fabrication of Mini Jet Engine
36. Fabrication of Osmotic power plant
37. Fabrication of Pneumatic steering for ship
38. Fabrication of pulse jet engine
39. Fabrication of Remote controlled Hovercraft
40. Fabrication of SMS controller Air Craft
41. Fabrication of Sub Marine (Model)
42. Fabrication of suction dredger for ship
43. Fabrication of Totally Enclosed Life Boat
44. Fabrication of turbo jet engine with active magnetic bearing
45. Formation and development of sub merged air jets
46. GPS based ship navigation system
47. Lubrication oil cooling system for Ship
48. Magnetically Levitated Flight Landing system
49. Marine navigation & collision controller system
50. Methanol fueled marine diesel engine
51. Refrigeration using waste heats From Marine Engine
52. Remote controlled Air Craft
53. Remote controlled oil skimmer Robot for marine application
54. Sea Water converted to drinking water using Solar Power
55. Semi submersible cargo transport ship
56. Silencer fabrication of centrifugal blower
57. Solar powered remote controlled aircraft
58. Under Sea water Robot
59. Venturi oxygen gas stripping system for ship
60. Water Fuel Engine for Mini Boat

**TOOL/DIE AND JIG/FIXTURE**

1. Auto indexing gear cutting attachment for pneumatic shaping Machine
2. Automatic boring mechanism for foundry
3. Automatic fixer using sensor
4. Automatic gear milling machine using proximity sensor
5. Automatic pneumatic brick making die machine
6. Concave jig attachment for lathe
7. Design & fabrication of sand wick jig
8. Design & fabrication of spring punching machine
9. Design & fabrication of tool cutting force dynamometer on lathe
10. Design and analysis of press tool machine
11. Design and fabrication of bar bending machine
12. Design and fabrication of combination dies
13. Design and fabrication of forging machine
14. Design and fabrication of piercing dies
15. Eccentric punching die machine
16. Fabrication of Automatic Colour code sensing punching machine
17. Fabrication of chain hooks separator & pressing machine

**CHENNAI-PONDICHERRY**

18. Fabrication of electromagnetic Moulding machine
19. Fabrication of Indexing jig formilling fixture
20. Fabrication of leaf jig
21. Fabrication of Mould making for table bush
22. Fabrication of plastic crushing and Moulding machine
23. Fabrication of Pneumatic bell crank press
24. Fabrication of Pneumatic drill jig
25. Fabrication of pneumatic pellet press
26. Gearcutting jig attachment for lathe
27. Hand operated plate bending machine
28. Indexing jig for drilling machine
29. Manual operated pipe bending machine
30. Milling jig attachment for lathe
31. Paper cup making machine
32. Pneumatic bearing puller
33. Pneumaticcan crushing die machine
34. Pneumatic injection Moulding die machine
35. Pneumatic leafcup die machine
36. Pneumatic mould making machine for gear wheel
37. Pneumatic punch die
38. Pneumatic slotting tool machine
39. Punching machine using whit worth mechanism
40. Reversible blanking dies
41. Slotting attachment in drilling machine
42. Tool and die design for Automatic filling -horizontal flow tools
43. Tool and die design for Automatic filling -vertical flow tools
44. Tool and die design for Automatic filling -Handmould tool
45. Tool and die design for bendingtools
46. Tool and die design for Blanking
47. Tool and die design for combination tools
48. Tool and die design for compound tools
49. Tool and die design for Deep drawing
50. Tool and die design for forming
51. Tool and die design for Gravity mould
52. Tool and die design for Machine mould
53. Tool and die design for Progressivetools
54. Tool and die design for trimmingtools
55. Twin spindle drill holder
56. Universal tapping machine
57. Universal tool grinding machine
58. Vacuum Bag Moulding Die Machine

**THERMALANDREFRIGERATION**

1. Advance cooling systemin a tourist bus
2. Advanced Solar Water Heater with Electricity Generation
3. Air conditioning of automobile using engine exhausts gas
4. Air preheating System using condenser waste heat in automobile

**CHENNAI-PONDICHERRY**

5. Automatic sensor network for monitoring and detection of impurity in drinking water system (without orp)
6. Automatic temperature controller with cooling system
7. Automatic Transformer heat reductions system
8. Bio gas purification system
9. Bio-diesel extraction from waste plastic material
10. Combo air conditioner
11. Cyclone separator with blower
12. Design & fabrication of atmosphere cooling tower
13. Design & fabrication of combo refrigerator
14. Design an air conditioner on automobile by exhaust gas
15. Design and analysis of Aero spike nozzle for aairaugmented rocket engine
16. Design and development of down draft Gasifier for operating CIengine on dual fuel mode
17. Design and development of natural vegetables /fruits Preservator
18. Design and fabrication of Reflecting mirror type solar steam generator
19. Design and performance of a vacuum single basin solar still
20. Design of Solar Desiccant Air Conditioner
21. Design &.fabrication and heat transfer study of green house dryer
22. Detection of cavitations in venturi injector using strain gauges
23. Development of basin solar still by adding magnetic treatment unit and double glass coverprovided with water
24. Effect of Controlling Parameterson Heat Transfer during Jet Array Imping ement Coolingof a Hot Steel Plate
25. Effect of Nano fluids in amodified vacuum single basin solar still
26. Electrical power generation system by using Gasifier
27. Electrical Power Generation using Thermal Power Plant
28. Energy conservation in steam Power Plant
29. Engine cooling and fuel preheating using Peltierelement
30. Evaporative cooler for domestic application
31. Experimental analysis of solid desiccant wheel dehumidifier
32. Experimental analysis of vapour chamber heat spreader
33. Experimental analysis on spiralplate heat exchanger with nano fluids
34. Experimental investigation of an air conditioning system drive by Engine
35. Experimental investigation Solar Pond integrated with PCM storage
36. Experimental setup and Application of Nano fluids in solar water heater
37. Experimentalssetup on Gasifier
38. Experimental study and Application in Nano fluids in refrigeration
39. Experimental study and testing of Solar flatplate collector with concrete and adjustable glass cover
40. Experimental study of control parameter in spray coolingin a hot steel plate
41. Experimental study of Refrigeration setup with 2 differentd iffusers
42. Experimental study of Refrigeration system using co2 refrigerant
43. Experimental study on single basin solar still augmented with biomass water heater
44. Experimentalsstudy on the performance of heat pump system trans-critical co2 refrigerant
45. Fabrication & performance testing of refrigeration unit usingr 13 and its blends
46. Fabrication and analysis of microchannel heat exchanger
47. Fabrication and Experimental studyof Refrigeration Trainer kit

**CHENNAI-PONDICHERRY**

48. Fabrication and Experimental study of shell and Tube heat exchanger
49. Fabrication and performance test of a model solar refrigeration system
50. Fabrication of Aluminium Extraction from plastic material
51. Fabrication of automatic humidification system
52. Fabrication of Bicycle powered Refrigerator
53. Fabrication of biomass briquetting machine
54. Fabrication of Bottle Cooler
55. Fabrication of briquette burner
56. Fabrication of combustion chamber for rocket engine
57. Fabrication of cooling jacket for motorcycle
58. Fabrication of Cooling tower
59. Fabrication of cross flow heat exchanger
60. Fabrication of EGR assisted jet compressor
61. Fabrication of Four in one Air conditioner
62. Fabrication of Furnace using infrared Lamp
63. Fabrication of Ground Dryer
64. Fabrication of heat exchanger for store thermal energy using PCM
65. Fabrication of Hot and Cold Water Dispenser
66. Fabrication of Hybrid titanium air conditioner
67. Fabrication of laminar flow water turbine
68. Fabrication of Latent Heat Exchanger
69. Fabrication of Lifetime kit for an Air conditioning
70. Fabrication of Loop heat pipe
71. Fabrication of LPG refrigeration
72. Fabrication of lpg refrigeration
73. Fabrication of Lube oil cooler
74. Fabrication of MHD power generation
75. Fabrication of Mini Jet Engine
76. Fabrication of Miniature Boiler
77. Fabrication of Mist Coolant system
78. Fabrication of Osmotic power plant
79. Fabrication of Peltier air cooler cum heater
80. Fabrication of plate freezer
81. Fabrication of Portable juice cooler
82. Fabrication of Portable steam generator with iron box
83. Fabrication of pressure vessel heat exchanger
84. Fabrication of Solar Air Conditioner
85. Fabrication of Solar Air Cooler cum Heater
86. Fabrication of Solar Air Dryer
87. Fabrication of Solar dryer with multiple PCM
88. Fabrication of Solar Fridge
89. Fabrication of Solar oven
90. Fabrication of Solar Peltier air conditioner
91. Fabrication of Solar room warmer
92. Fabrication of Solar still coupled with air conditioner
93. Fabrication of Steam jet refrigeration
94. Fabrication of thermal conductivity using ms & copper experimental setup
95. Fabrication of thermal storage unit using PCM
96. Fabrication of Thermo acoustic refrigeration system



**CHENNAI-PONDICHERRY**

97. Fabrication of Three in one air conditioner
98. Fabrication of twisted tape heat exchanger
99. Fabrication of Vapour compression distillation
100. Fabrication of Vortex flow floating turbine
101. Fabrication of Waste oil burning system
102. Heat dissipation in cars using thermo electric refrigeration
103. Heat transfer analysis using honeycomb structure
104. Heating and cooling jacket by using Peltier effect
105. High efficient cooling system with help of BLDC motor
106. House holder refrigerator with diffuser pipe
107. Hydro carbon vapour compression refrigeration system
108. Improved energy performance of a refrigerating machine using water spray up stream of the Condenser
109. Indirect type solar dryer integrated with solar air heater
110. Industrial vacuum conveyor for biscuit dryer
111. Intelligent solar-powered automobile ventilation system
112. Introduction to their revolutionary design of Scheffler reflectors
113. Low pressure solar water heater with auto tracking
114. Micro channel heat exchanger
115. Modified air cooler with split cooling unit
116. Multi-Purpose Ground Dryer (or) Multi-Purpose Dryer Cum Room Heater
117. Nano fluids based solar desalination using flashing technique
118. Optimization of process parameters in spark EDM
119. Parabolic Trough collector cum Vapor Adsorption refrigerator
120. Parametric study on the thermal performance of the solar air heater with energy storage
121. Pedal powered reverse osmosis water purification
122. Performance analysis of evaporative air cooled condenser
123. Performance analysis of single and dual slope solar still with biomass and jute separately
124. Performance analysis of solar water heater using porous medium and agitator
125. Pollution free Miniature incinerator
126. Power generation and refrigeration by using waste heat from IC engine
127. Pulsating heat pipe based heat exchangers
128. PV panel cooling using stack effect
129. Pyroelectric energy harvesting from solar and wind energy
130. Refrigerant cycle & thermo state expansion valves system
131. Refrigeration using waste heats in car
132. Regenerative compressed air system by suspension for automatic turbo lag reduction
133. Remote controlled boiler flame adjustments system
134. Sea Water converted to RO drinking water by using Solar Power
135. Solar absorption air conditioner
136. Solar aided portable vacuum desalination plant
137. Solar Air Cooler cum heater with auto tracking system
138. Solar cabinet drier integrated with biomass
139. Solar enhanced energy efficient food processor
140. Solar plus Compressor Heat Desalinator Water Still
141. Solar powered Electrolux refrigeration system
142. Solar thermo-electric refrigerator

### CHENNAI-PONDICHERRY

143. Solar water Desalination by using photovoltaic method
144. Solar water heater with pcm
145. Thermal energy storage using pcm material with integrated solar water heater
146. Thermo electric refrigeration with thermosyphon system
147. Thermo-electric solar air conditioner
148. Triple tube heat exchanger with fins
149. Vapour absorption refrigeration(ammonia-water)
150. VIVACE(vortexinducedvibrationaquaticcleanenergy)a new concept in generation of clean and renewable energy from fluid flow
151. Waste chill recovery heat exchange
152. Water cooled condenser for domestic
153. Water Cooler cum Air Conditioner
154. Water cooler cum Water heater by using refrigeration System
155. Working of air conditioning unit using damping effect of shock absorbers
156. Zeolite desiccant dehumidifier with variable frequency drive with moisture sensor

### COMPOSITE MATERIALS

1. A Study on Mechanical Characteristics of Hybrid Metal Matrix Composite
2. A Study on Mechanical Characteristics of Hybrid Metal Matrix Composite
3. Al-TiO<sub>2</sub> Composites through stir casting method
4. Aluminum and copper composite connecting rod
5. Aluminum metal matrix for using piston
6. Aluminum Oxide And Titanium Diboride Reinforced Metal Matrix Composite And Its Mechanical Properties.
7. Aluminum Silicon Carbide and Aluminum Graphite Particulate Composites.
8. Analysis of Spur Gear -Al-Si-SiC-Mg.
9. Analysis of Hardness and Wear of Al-SiC-TiB? Hybrid Metal Matrix Composite.
10. Brake pad by using orange fiber and Al<sub>2</sub>O<sub>3</sub>.
11. Characterization of Al6061-B<sub>4</sub>C, Gr metal Hybrid Composite Matrix
12. Characterization of Aluminum/SiC/Al<sub>2</sub>O<sub>3</sub> Hybrid Metal Matrix Composite.
13. Characterization of Aluminum/SiC/Al<sub>2</sub>O<sub>3</sub> Hybrid Metal Matrix Composite
14. Characterization study of aluminum alloy hybrid composite.
15. Composite leaf spring glass fiber
16. Composite Material In Brake Pad
17. Composite Material using banana and bamboo with epoxy.
18. Composite material using banana and jute fibers.
19. Composite Materials Fabrication of Al6061 Heralite Material.
20. Composite spur gear using Al-Si-SiC materials
21. Composite spur gear using Al-Si-SiC materials.
22. Composite using helical gear
23. Densification behavior of Aluminum reinforced with Tungsten Carbide particulate Metal Matrix Composite processed by P/M.
24. Design & fabrication Of Piston Using Aluminium, FlyAsh, Alumina Composite.
25. Design & fabrication of Piston Using Aluminum, Fly Ash, Alumina Composite.
26. Developing a mathematical model to evaluate hardness of Al7075/Al<sub>2</sub>O<sub>3</sub> composites.
27. Developing a mathematical model to evaluate hardness of Al7075/Al<sub>2</sub>O<sub>3</sub> composites produced by stir casting

**CHENNAI-PONDICHERRY**

28. Development and Mechanical Characterization of Low Cost Natural Hybrid Date/Jute Fiber Reinforced Epoxy Composite.
29. Development of Aluminum Based Silicon Carbide Particulate Metal Matrix Composite.
30. Development of Aluminum Based Silicon Carbide Particulate Metal Matrix Composite
31. Development of Asbestos Free Brake Pad Using Orange Peel.
32. Effect of Process Parameter of Stir Casting on Metal Matrix Composites.
33. Elevation of Aluminum-Tungsten Carbide Composite
34. Evaluation of Beryllium Particulate Reinforced Aluminum Alloy Composite.
35. Evaluation of Mechanical Behavior of Jute Fibre-Aluminum Powder Reinforced Hybrid Polymer Composites.
36. Evaluation of Mechanical behavior of Powder Metallurgy-Processed Aluminum Self Lubricating Hybrid Composites with B4 C Gr Additions.
37. Evaluation of mechanical behavior on coconut shell powder and coir fiber reinforced polyester resin composites.
38. Evaluation of Mechanical Properties of Coconut Shell Fibres as Reinforcement Material in Epoxy Matrix.
39. Evaluation of the Mechanical Properties of Aluminum 6061-B4c-Silicon Carbide Composite.
40. Experimental Investigation and Analysis of Piston By Using Hybrid Metal Matrix.
41. Fabrication and mechanical behavior study of coconut coir based polymer composite.
42. Fabrication of Aluminum Graphite and MoS<sub>2</sub> composite materials
43. Fabrication of Aluminum Graphite and MoS<sub>2</sub> composite materials.
44. Fabrication of composite material using natural fiber bamboo.
45. Fabrication of hybrid metal matrix composites (Al+TiO<sub>2</sub>+Gr).
46. Fabrication of sugar cane bagasse & jute fiber.
47. Fabrication, Testing and Analysis of Aluminum 2024 Metal Matrix Composite.
48. Helical gear using metal matrix composite.
49. Hybrid metal matrix composites and further improvement in their Machinability
50. Investigation on mechanical properties of e-glass and fly ash reinforced Al 8011 based hybrid composites.
51. Investigation on mechanical properties of e-glass and fly ash reinforced Al 8011 based hybrid composites
52. Material Characterization of 6061 Al-Si Cp Metal Matrix Composites
53. Mechanical behavior of Aluminum alloy Self Lubricating Hybrid Composites.
54. Mechanical behavior of chicken feather using epoxy resin.
55. Mechanical Properties of Al6061 Based Metal Matrix Composites Reinforced with Ceramic Particulates.
56. Preparation And Mechanical Characterization Of Epoxy Based Composite Developed By Biowaste.
57. Study of Machinability Characteristics on E-Glass Fiber and SiC Reinforced Aluminum Hybrid Composite.
58. Study of Mechanical Properties of Hybrid Natural Fiber Composite.
59. Study on mechanical properties of woven jute-glass hybrid epoxy composites.
60. Testing for mechanical behavior of natural fiber composite.
61. Tribological Properties of Aluminum 2024 Alloy and Beryl Particulate MMCs.
62. Tribological properties of Aluminum 7075 Metal Matrix Composite.
63. Varying composition of 5083 AL-Mg alloy & strength testing.

**CHENNAI-PONDICHERRY  
DESIGN AND EXPERIMENT**

1. Design and analysis of Aero spike nozzle for air augmented rocket engine
2. Development of Homogeneous charge compression ignition (HCCI) engine on electric motor cycle
3. Effect of Controlling Parameters on Heat Transfer during Jet Array Impingement Cooling of a Hot Steel Plate
4. Effect of controlling parameters on heat transfer during spray impingement cooling of steel plate
5. Effect of swirl induction by internally threaded inlet manifold on exhaust emissions of single cylinder diesel engine
6. Enhancing the IC Engine Performance by Using the Electrolysis and Preheating Process
7. Experimental analysis of solar water heater using porous medium and agitator
8. Experimental setup and Application of Nano fluids in solar water heater
9. Experimental setup for finding the life time of switch
10. Experimental study and Application of Nano fluids in refrigeration
11. Experimental study and testing of Solar flat plate collector with concrete and adjustable glass cover
12. Experimental study of Refrigeration setup with 2 different diffusers
13. Experimental study of Refrigeration system using CO<sub>2</sub> refrigerant
14. Fabrication and Application of evaporation air cooler coupled with solar water heater for dehumidification of indoor air
15. Fabrication and Detection of cavitations in venturi injector using strain gauges
16. Fabrication and Experimental setup on Gasifier
17. Fabrication and experimental study of Advanced Solar Water Heater with Electricity Generation
18. Fabrication and experimental study of Air bag system for two wheeler
19. Fabrication and experimental study of Air brake system using exhaust gas
20. Fabrication and experimental study of Air conditioning of automobile using engine exhaust gas
21. Fabrication and experimental study of Air preheating System using condenser waste heat in automobile
22. Fabrication and experimental study of automated paper cup Feeding and making machine
23. Fabrication and experimental study of Automobile suspension made of hydraulic magnetorheological damper
24. Fabrication and experimental study of Blade less Turbine with Propeller
25. Fabrication and experimental study of bottle cooler
26. Fabrication and experimental study of Cold Start Performance Enhancement of Motorcycle Catalytic Converter by Latent Heat Storage System
27. Fabrication and experimental study of combo refrigerator
28. Fabrication and experimental study of Cryogenic liquid nitrogen as a fuel for zero emission vehicle
29. Fabrication and experimental study of Darrieus rotor wind turbine
30. Fabrication and experimental study of Deflection of beam apparatus
31. Fabrication and experimental study of Diffuser Type Hybrid wind turbine
32. Fabrication and experimental study of Effect of CNT addition on MR fluid damper
33. Fabrication and experimental study of EGR assisted jet compressor

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34. Fabrication and experimental study of electromagnetic Moulding machine
35. Fabrication and experimental study of Energy conversion from Road way using kinetic motion
36. Fabrication and experimental study of Energy-harvesting shockabsorber with a mechanical motion rectifier
37. Fabrication and experimental study of Ferro fluid power generation
38. Fabrication and experimental study of Heatd issipation in carsusing thermoelectric refrigeration
39. Fabrication and experimental study of LPG refrigeration
40. Fabrication and experimental study of Magnetic fuel modifier used inICengine
41. Fabrication and experimental study of Magnetorheological clutch with load test
42. Fabrication and experimental study ofMagnetorheological fluid(MRF)Braking System
43. Fabrication and experimental study of Multipurpose agricultural Vehicle
44. Fabrication and experimental study of Nano fluids based solar desalination using flashing technique
45. Fabrication and experimental study of Non-Conventional Method of Water Pumping Using Vertical Wind Turbine
46. Fabrication and experimental study of Pool boiling apparatus
47. Fabrication and experimental study of Pyroelectric energy harvesting from solar and wind energy
48. Fabrication and experimental study of Reflecting mirror type solar steam generator
49. Fabrication and experimental study of Regenerative compressed air system by suspension for automatic turbo lag reduction
50. Fabrication and experimental study of Semi active suspension system
51. Fabrication and experimental study of Singlestate double acting cylinder using electromagnet reciprocating pump
52. Fabrication and experimental study of solar cabinet drierintegrated with biomass
53. Fabrication and experimental study of Solar dryer with multiple PCM
54. Fabrication and experimental study of solar Peltierairc onditioner
55. Fabrication and experimental study of Solar room warmer
56. Fabrication and experimental study of Steam jet refrigeration
57. Fabrication and experimental study of tool cutting force of dynamo meter on lathe
58. Fabrication and experimental study of Turbo charged two wheeler with zerotur bo lag
59. Fabrication and experimental studyof Twisted tape insert in heat exchanger
60. Fabrication and experimental study of Vortex flow floating turbine
61. Fabrication and Performance analysis of evaporative air cooled condenser
62. Fabrication and performance test of amodel solar refrigeration system
63. Fabrication and study of heat exchanger for store thermal energy using PCM
64. Fabrication and study of Optimization of process parameters in wire cut
65. Fabrication of Smart energy monitoring break over module
66. Generation of electricity from ocean waves using rack and pinion mechanism
67. GPS Guided Modular design Mobile robot platform for agricultural Applications
68. Improved energy performance of a refrigerating machine using water spray up streamof the Condenser
69. Optimization and testingof automobile radiator
70. Optimization of process parameters in spark EDM
71. Optional acceleration circuit to in crease the fuel efficiency of single cylinder petrol engine by double carburetor method

**CHENNAI-PONDICHERRY**

72. Theo Jansen four legwalking Mechanism
73. Working of air conditioning unit usingdamping effect of shock absorbers

**AUTOMOBILEPAPERS**

1. A conventional diesengine running in dual fuel mode with diesel &lpg
2. Advanced passive suspension with inerter devices and optimization design for vehicle oscillation
3. Air powered engine
4. Alternative transmission system for 4 wheelers
5. An experimental study of flow throughadump combustor model with inletswirl
6. Articulated vehicle systems
7. Automotive product design and development of car dashboard using quality function deployment
8. Biodiesel applications as fuels for low heat rejection engine
9. Cylinder deactivation on two different cubic capacity engine
10. Daily management process for reduce cost of qualityin automobile industry
11. Design and development of prototype of magnetic engine using neo dymiumironboron (nd2fe14b)as magnetic material
12. Design and fabrication of radio controlled car
13. Design and implementation of kinetic energy recovery system (kers)in bicycle
14. Design of gas carburetor for producer gas engine operated in single fuel mode
15. Development of multi cylinder crd-i engine to meet euro vi emission norms
16. Effect of compression ratio and rpm on the performance and emission characteristic of lpg fuelled siengine
17. Effects of preheating of honeoil(ho)on injection system,performance and emission of a diesel engine
18. Experiment on multiblend biodiesel using jatropha and pongamia biodiesel on single cylinder diesel engine with base line of diesel fuel
19. Experimental investigation of rhombus shaped grooveson piston crown of a single cylinder 4-stroke di diesel engine
20. Experimental investigation on ciengine performance fueled with biodiesel and its blends
21. Experimental investigations on high grades emiadiabatic diesel engine with cotton seed biodiesel
22. Fabrication of biogas petrol dualfuel in si engine
23. Fabrication of biogas-petrol dualfuel in si engine
24. Fuzzycontrol of vehicle active suspension system
25. Modelling and optimization of electromagnetic type active control engine mount system
26. New 5 stroke engine with splitting concept
27. New technologies used in automotive exhau stsystems,review
28. Performance improvement of a diesel engine fuelled by cashew nut shell oil onblending with oxygenates- an experimental study
29. Retarder used as braking system in heavy vehicles-a review
30. Review on methods of homogeneous charge preparation for hcci mode engine
31. Smart electronic fuel injection system using magnetic fuel vaporizer
32. Waste plastic fuel used in petrol engine