

**CHENNAI-PONDICHERRY****MINIPROJECTS 2019-2020**

1. 2-jaw parallel gripper Mechanism
2. Abrasive Belt Grinder
3. Air compressor using crank and slotted link mechanism
4. Air pollution monitor
5. Anti dazzling headlight for two-wheeler
6. Anti roll wheel locking system
7. Aqua silencer with emission control
8. Atmospheric water production system
9. Auto breaking system for four-wheeler
10. Auto indexing gear cutting attachment or pneumatic shapping machine
11. Automated gsm based irrigation
12. Automated over tank cleaning system
13. Automatic acceleration control in traffic signal
14. Automatic bottle filling machine
15. Automatic Bottle washing machine
16. Automatic Break Failure indicator
17. Automatic break in hill station
18. Automatic car covering system
19. Automatic car window opening by using sound and oxygen sensors
20. Automatic Dam shutter controlling system
21. Automatic dimensioning machine
22. Automatic Door open/close Mechanism
23. Automatic Hand wash with soap solution
24. Automatic Head light Dim / Bright and Engine Over Heating Alarm
25. Automatic head-lamp Alignment system for automobile
26. Automatic Lamination Machine
27. Automatic Magnetic Accident preventer for Train
28. Automatic matchstick counting and packing machine
29. Automatic Mechanical type Water Tape Controlling System
30. Automatic multi directional photo shearing machine
31. Automatic overload indication for bridge
32. Automatic Plant Water Moisturizing System for Garden
33. Automatic pneumatic bumper for four wheeler
34. Automatic pneumatic disc braking system
35. Automatic pneumatic emergency exit for car and Bus
36. Automatic Pneumatic Hammer
37. Automatic pneumatic ramming machine
38. Automatic pneumatic reciprocating grinding machine
39. Automatic Pneumatic sheet Cutting Machine
40. Automatic Pneumatic stand for two wheeler
41. Automatic Pneumatic Vulcanizing Machine
42. Automatic Pressure controller Cum Valve Open/Close Arrangement
43. Automatic rain operated wiper
44. Automatic Rain operated wiper and Head light Dim / Bright Controller
45. Automatic Rain sensing window for Home

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46. Automatic reserve indication system
47. Automatic Road curve finder(or)Speed Breaker Finder
48. Automatic side stands with breaking locking system
49. Automatic slag removal for CNC gas cutting machine
50. Automatic Solar street light controller
51. Automatic speed breaker for preventing accident in school zone
52. Automatic Spring Rolling Machine
53. Automatic switch on/off sensing fan
54. Automatic Temperature Control by Switching the Fan
55. Automatic temperature controller with cooling system
56. Automatic Track Guided Vehicle (ATGV)
57. Automatic Traffic and Street Light Controller
58. Automatic transformer heat reduction system
59. Automatic tyre pressure inflation system
60. Automatic Vehicle Accident Information System
61. Automatic Vehicle Accident prevention system
62. Automatic Vehicle locking system by Without Helmet
63. Automatic Vehicle Over speed controlling system for School Zone
64. Automatic vehicle overloading alert system
65. Automatic Vehicle Speed measuring using IR Rays
66. Bio fuel extractor from Bio Oil
67. Box shifting mechanism (metal shifting)
68. Box transport machine
69. Brake shoe monitoring system
70. Car or Bus reverse Operation Navigation System by using IR Rays
71. Carbon dioxide capture and sequestration
72. Catalytic converter for Automobile
73. Coin based cell phone charger with pay system
74. Compressor gas level digital indicator with alarm system
75. Contour Turning Attachment for Lathe
76. Conveyor for quality control
77. Cordless security System for Cars
78. CPR machine
79. Cruise control in bikes
80. Cyclone separator with blower
81. Design & Automation of Smart blind stick
82. Design & fabrication of aero foil in a single seat car
83. Design & fabrication of plant trimmer
84. Design & fabrication of Self balancing vehicle
85. Design & fabrication Wall glass cleaning machine
86. Design and fabrication of agricultural cutter using 4 bar mechanism
87. Design and fabrication of battery operated soil stirrer for home gardening
88. Design and Fabrication of Cam Vice
89. Design and fabrication of concave attachment to lathe
90. Design and fabrication of sand mixer
91. Digital Fuel Level with expected Millage indicator
92. Digital Gear Level Indicator for Automobile

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93. Digital locking (Fuel, ignition) system(Password)for Two wheeler
94. Double jaw vice for tube bending
95. Eccentric Brick Breaker
96. Eccentric motorized hacksaw Machine
97. Eccentric ramming machine
98. Efficient cooling system for lathe
99. Electric power from industrial waste water
100. Electrical energy can be produced by using vibration
101. Electrical Power generation from Overhead water tank
102. Electrical Steering system for automobile
103. Electro Magnetic suspension system
104. Electro-Magnetic braking System (EMBS)
105. Elimination of carbon particles from exhaust gas
106. Emergency Braking System in Four Wheeler(EBS)
107. Emission tester(CO<sub>2</sub>)for automobile
108. Energy conversion from Roadways using kinetic motion
109. Energy Saving Light Arrangement
110. Eye blink sensor based automatic breaking and bumper system
111. Fabrication Mini Solar air cooler
112. Fabrication of Air Leak Detector
113. Fabrication of Anti-theft steering system
114. Fabrication of Aqua silencer
115. Fabrication of Automatic Board cleaner
116. Fabrication of Automatic hand break Release
117. Fabrication of Automatic High speed object counter
118. Fabrication of Automatic Lubrication System
119. Fabrication of Automatic musical water fountain
120. Fabrication of Automatic pneumatic jack
121. Fabrication of Automatic shoe polishing machine
122. Fabrication of Beans Sheller machine
123. Fabrication of Box type solar cooker
124. Fabrication of bucket wheel escalator
125. Fabrication of Button operated hydraulic jack
126. Fabrication of Cam Operated Valve
127. Fabrication of Chain tightener
128. Fabrication of Coin based automatic water dispenser
129. Fabrication of compressed air generation using speed breaker
130. Fabrication of Cylindrical grinding Machine
131. Fabrication of Easy handling belt grinding machine
132. Fabrication of Eccentric Hammer
133. Fabrication of Electronic ignition system
134. Fabrication of Emission control of Diesel Engine
135. Fabrication of Engine oil alerting system
136. Fabrication of Floor Cleaning Machine
137. Fabrication of Fuel Injector testing equipment
138. Fabrication of gear tooth grinding machine
139. Fabrication of Ground Dryer

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140. Fabrication of hand operated plate bending machine
141. Fabrication of Hydraulic floor crane
142. Fabrication of Hydraulic fork lift
143. Fabrication of hydraulic heavy duty pipe bending
144. Fabrication of Hydraulic Ladder
145. Fabrication of Hydraulic Pallet Truck
146. Fabrication of Hydraulic sensing cutting machine
147. Fabrication of Hydraulic tail stock
148. Fabrication of Hydraulic Trolley Type Jack
149. Fabrication of Hydraulic vehicle turn table
150. Fabrication of Laminar flow water turbine
151. Fabrication of magneto-bearing system
152. Fabrication of Manual Lawn Mover
153. Fabrication of manual operated pipe bending machine
154. Fabrication of Marble Polishing Machine
155. Fabrication of Metal Crack detector
156. Fabrication of Milling Attachment for Lathe
157. Fabrication of Mini Jet Engine
158. Fabrication of Mini Water Service Station
159. Fabrication of Miniature Boiler
160. Fabrication of Mobile charging from shoe
161. Fabrication of Motorized Center stand for cycle/bike
162. Fabrication of Multi Drill Holder
163. Fabrication of Oil Pump Testing Equipment
164. Fabrication of Pantograph milling machine
165. Fabrication of Parabolic Solar Cooker
166. Fabrication of Plant cutter
167. Fabrication of Pneumatic conveyor
168. Fabrication of Pneumatic Drill Jig
169. Fabrication of Pneumatic garage door opener
170. Fabrication of Pneumatic griper
171. Fabrication of pneumatic horning machine
172. Fabrication of Pneumatic lifting table
173. Fabrication of Pneumatic Multipurpose Machine
174. Fabrication of Pneumatic power generation
175. Fabrication of Pneumatic Quick return Mechanism
176. Fabrication of Pneumatic Tail Stock
177. Fabrication of Pneumatic Vice
178. Fabrication of Ratchet mechanism using screw jack
179. Fabrication of Rotary Gear Pump
180. Fabrication of Rotary Keller
181. Fabrication of rotary vacuum Pump
182. Fabrication of Rotary Vane Pump
183. Fabrication of sand collecting Vehicle
184. Fabrication of sand slinger
185. Fabrication of self lubricated gear pump
186. Fabrication of Semi-automatic weed remover

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187. Fabrication of shaft run out checker
188. Fabrication of Six bar linkage mechanism
189. Fabrication of Small stair climber
190. Fabrication of Solar Air Heater
191. Fabrication of solar based robotic arm
192. Fabrication of Solar bird Scarcer
193. Fabrication of Solar dryer
194. Fabrication of Solar Fan with Lighting System
195. Fabrication of Solar water heater
196. Fabrication of Solar Wood cutter
197. Fabrication of Spark Plug cleaner and Tester
198. Fabrication of Spring Loaded Fan
199. Fabrication of Spring Separator
200. Fabrication of standing wheel chair ( compact model )
201. Fabrication of Sterling engine fan
202. Fabrication of super magnetic breaking system
203. Fabrication of swing motion power generation system
204. Fabrication of tilting and swivel vice
205. Fabrication of Tool Post Grinder
206. Fabrication of Tube Rolling Machine
207. Fabrication of Twin spindle Drill Holder
208. Fabrication of tyre pressure monitoring system
209. Fabrication of Universal Tapping Machine
210. Fabrication of water pumping system by using river force
211. Fabrication of weighing bridge in moving vehicle
212. Fabrication of wood grooving machine
213. Fabrication of Zig-Saw cutting machine
214. Film frame by using Geneva mechanism
215. Foot operated hydraulic Lifting system
216. Foot press hand washing machine
217. Fuel processing(hydrogen Gas Production) Technology
218. Gear and linkage mechanism
219. Gear cutting attachment in lathe
220. Geothermal heating and cooling
221. Hand operated hole punching machine using geneva mechanism
222. Hydraulic armature bearing remove system
223. Hydraulic Brake shoe riveting Machine
224. Hydraulic Cylinder Liner Puller
225. Hydraulic tray making machine
226. Improvisation of performance of solar panel
227. Integrated drunk and drive prevention system
228. Intelligent active suspension system for four wheeler
229. Intelligent Braking System in Four Wheeler(IFS)
230. Internal grinding attachment in lathe
231. Involute gear Profile Error Detector
232. Joek lann leg mechanism
233. Lathe Coolant Pump with Fitting Arrangement



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234. Line following robot
235. Low cost anti lock breaking system
236. Magnetic power transmission for machine
237. Magnetic suspension in vehicle
238. Manual Operated Cold chamber Die Casting Machine
239. Manual operated paper recycling machine
240. Manual operating spoiler in a vehicle
241. Manually operated multi wheel nut remover & tightener (3 nut)
242. Mini Fire fighting robot
243. Mini wind mill cell phone charger
244. Motor operated vegetable cutting machine
245. Motorized Hydraulic Jack
246. Motorized Screw Jack
247. Multi-purpose key way attachments in lathe
248. Nano-abrasive Rails filter
249. Neodymium magnetic shock absorber
250. Non reversible trolley
251. Non-Conventional Door based power generation System
252. Pantograph Universal Gas Cutting Machine
253. Particle board moulding machine
254. Peaucellier mechanism for drawing straight line
255. Pedal Operated cell phone charger
256. Pedal operated Pneumatic Vice
257. Pedal Operated Ramming Machine
258. Pedal Operated Water pumping system
259. Piezo electric power generating shock absorber
260. Planetary drive
261. Pneumatic Bearing Press machine
262. Pneumatic bell crank press
263. Pneumatic Bending / Bend Removing Machine
264. Pneumatic brick making machine
265. Pneumatic Cold chamber Die Casting Machine
266. Pneumatic Door open/close Mechanism
267. Pneumatic forging machine
268. Pneumatic ground driller
269. Pneumatic Multipurpose Grinder
270. Pneumatic operated counter balanced valve
271. Pneumatic operated sequence valve
272. Pneumatic operated table clamping device
273. Pneumatic reciprocating Hack saw Machine
274. Pneumatic Reciprocating Water Pumping System
275. Pneumatic scissor jack For loading vegetables to lorry
276. Pneumatic scissor Lifter
277. Pneumatic Speed Breaker with Day Night Control
278. Pneumatic Spiral Punching machine
279. Pneumatic switch board cutter
280. Pneumatic tin/can crusher

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281. Pneumatic to piece stem cutting machine
282. Portable Circular Saw Cutting Machine
283. Portable smoke exhaust system
284. Portable vegetable cutter and slicer
285. Power Generation from small wind mill
286. Power generation from speed breaker by using roller mechanism
287. Power generation using two way rotation to one way rotation
288. Power Saving Conveyor for Industry
289. Power Saving system for lathe
290. Prevention kit for driving two wheeler without helmet
291. Printing using pneumatic(stamp)
292. Quick lifting jack with Gear Arrangement
293. Quick return mechanism by crank and slotted link
294. Remote controlled boiler flame on/off with flame adjustment system
295. Remote controlled car/bus door open/close mechanism
296. Remote controlled scissor jack
297. Reversible blanking dies
298. Rotary gate power generation system
299. Sand removal cutter using chain and sprocket
300. Screw conveyor without battery
301. Self lubricated Hydraulic gear pump
302. Sensor based Automatic Escalator Movement
303. Sensor operator automatic braking system
304. Side stand retriever System for two wheeler
305. Simple leg walking mechanism
306. Simple mechanical Cruise speed control for two wheeler
307. Slotting Attachment in Drilling Machine
308. Smart cane (stick) for visually impaired people
309. Smart cane for visually impaired people
310. Smart wear ecgt-shirt
311. Solar Cell Phone Charger
312. Solar desalination using parabolic dish
313. Solar Lighting System with Auto Tracking
314. Solar Panel Sun Tracking System
315. Solar Powered Automatic head light Dim/Bright Controller
316. Steam paint removing machine
317. Symmetry lathe
318. Tool and die design for deep drawing
319. Tree branch cutting machine
320. Two Wheeler Automation with security System
321. Universal milling machine in lathe
322. Universal power automatic jack
323. Vehicle ignition using RFID Smartcard
324. Wheel chair cum stretcher model in hospital application
325. Wire rope elevator