



s2sproject, Robotic & R&D Lab



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MECHANICAL PROJECT LIST

1. Solar Tricycle
2. Solar Water Heater
3. Solar water heater using PCM
4. Solar Air Dryer
5. Solar Cooling tower
6. Solar water Pump
7. Solar Blade Less Fan
8. Solar grass cutter/lawn mover
9. Solar spray machine
10. Solar lighting system
11. Solar Street light
12. Solar irrigation system
13. Solar pipe cutting machine
14. Solar mobile charger
15. Solar car
16. Solar bicycle
17. Solar sterling engine
18. Sun Blind Control
19. Solar Based Oven
20. Solar Panel Tracking System Mechanism
21. Sun Tracking Water Heater with Mech. Process
22. 3-Axis multiple operation machine
23. Portable Crane By scooter
24. Blade less fan
25. Sewage solid waste removal plant
26. Solar Seed Dryer
27. Electricity generation by gym walker
28. Kinetic energy restore system (KERS) cycle
29. Movable Bridge
30. Electromagnetic Piston Engine
31. Intelligent irrigation system
32. Industrial Automation using Geneva Mechanism
33. Electricity generation by gym equipments
34. Quadcopter with camera
35. Heat Exchanger
36. Solar go kart
37. Floor cleaning Robot
38. Cutting Robot
39. Welding Robot
40. Fire fighting Robot
41. Pipe climbing Robot
42. Hand gesture Control Robot
43. Smoke and LPG detection Robot
44. DTMF based Robot
45. Armed forces Robot
46. Inspection Robot
47. Robotic Arm with Gripper
48. Joy Stick Controlled Robotic Crane
49. Robotic Trolley for Material Handling
50. Robotic Car with Sensors
51. Robotic Radar System
52. Robotic Fire Brigade Trolley
53. Robotic Lift/ Escalator
54. Robotic Crane
55. Robot Arm Pneumatic/Hydraulic
56. Spy Robot
57. Slave Robots
58. Computer Controlled Wireless Robot with Camera
59. Line Follower or Tracing Robot
60. High Speed Material Transferring Robot
61. Hand operated pneumatic robot
62. Automatic Drilling Machine
63. Automatic Pipe Cutting Machine
64. Automation of MIG Welding
65. Automatic Spiral Punching Machine
66. Automatic Conveyor for Industrial Automation
67. Automatic Conveyor Belt System
68. Automatic Lubricating Machine
69. Automatic Gear Changer
70. Automatic Gear Display
71. Automatic Sealing Machine
72. Automatic Thermo coal Cutting Machine
73. Automatic Door Opener
74. Automatic Curtain Mover
75. Automatic Ration System
76. Library Automation System
77. Automation of camera trolley
78. Automatic machine RPM calculator
79. Automatic Bar Feeding
80. Automatic Bar Cutting Machine
81. Automatic Intelligent Hydro Irrigation System
82. Automatic Punching Machine
83. Automatic Poor Quality Rejecter
84. Automatic Blanking Machine
85. Automatic Hammer Striker

86. Automatic Quality Testing System
87. Automated Dimensioning Machine
88. Automatic Drilling Machine
89. Automatic Cone Releaser
90. Automatic Crane System
91. Automatic Sealing Machine
92. Automatic Filling System
93. Automatic Car Shutter
94. Automated Material Transferring System
95. Automated Lead Screw Jaws
96. Automated Walking Robot
97. Automatic Railway Crossing Gate Controller

98. Paddle operated Mobile Charger cum Emergency Light
99. Paddle power reciprocating pump
100. Paddle power pipe cutting machine
101. Paddle power water purification system
102. Pedaling Press Washing Machine
103. Pedal Operated Agricultural Water pumping system
104. Paddle operated pipe cutting Machine
105. Paddle operated battery charger
106. Paddle operated spray machine

107. Diesel engine nozzle testing machine
108. Four wheel steering system
109. Sterling Engine
110. Battery Operated Tricycle
111. Go Kart
112. Compressed air car
113. IR sensor car
114. Braking System
115. Steering Controlled Headlight
116. Regenerative shocker using rack and pinion
117. Smart/multilevel Car parking system
118. Motorized Electric Air Compressor
119. Torque Testing Device
120. Hydraulic Braking System for Car/Ind. Application
121. Auto Gearing System
122. Gear Indicator for Two Wheelers
123. Auto Braking System for Automobiles
124. Electromagnetic Breaking System
125. Emergency Breaking System
126. Rain Activated Wiper
127. Auto Side Stand Indicator and Center Stand
128. Digital Speed Measurement System for Automobile
129. Crop Harvesting Machine
130. Single Cylinder Double Acting Pump
131. Vehicle over speed control system
132. Kers Using Cycle Wheel

133. Electricity Generation by Palter effect
134. Electricity Generation by Gym equipment's
135. Thermal Power Plant

136. Electrical Energy from Compressed Air
137. Electricity From Speed Breaker
138. Fabrication of Hydel Power Dam
139. Horizontal axis Wind Mill
140. Vertical axis Wind Mill
141. Wind Based Water Pump
142. Hydro Electricity
143. Wind Electricity
144. Fabrication of Tidal Power Plant

145. Hydraulic Lift
146. Hydraulic pipe bending machine
147. Fabrication of Hydraulic vice
148. Hydraulic Jack Stone Splitting Machine
149. Hydraulic Robotic Arm
150. Fabrication of Hydraulic Press
151. Fabrication of Hydraulic Bending machine
152. Fabrication of Hydraulic Forklift
153. Hydraulic Noodles Machine
154. Hydraulic Scissor Jack

155. Single Axis Sliding Table
156. Two Axis Sliding Table for drilling machine
157. Sliding Table for Grinding Machine
158. Cooling tower
159. Curtain Mover
160. Paper Shredding Machine
161. Circular cutting machine
162. Motorized wheel chair
163. Toffee/Packet Vending Machine
164. Hybrid irrigation system
165. Magnetic Levitation Plate form
166. Heat Exchanger-Pipes
167. Wind Tunnel
168. Compressor less Refrigerator
169. 360 Motion Air Flow Cooler with Dual Side Air Flow
170. Solenoid Based Hammer
171. Liquid Dispenser Machine (With Air Control System)
172. Air Compressed Spay Gun (With Electric Air Pump)
173. Hybrid Chimney
174. Lathe Tool Pressure Dynamometer
175. Solenoid Based Drilling /Punching Machine
176. Ground Source Cooling System
177. Motorized object Lifting Jack
178. Object Rejection & Counting Machine
179. Material Handling (X, Y, Z Motion Control)
180. Three Axis Modern trailer
181. Key Controlled- Fork Lifter.
182. Conveyer Belt System
183. Geothermal Heating and Cooling
184. Agitator
185. Fabricating of Micro Holes Driller
186. Pneumatic Door Opener

187. Pneumatic Hand Drilling
188. Pneumatic bottle crusher
189. Pneumatic coal crusher machine
190. Fabrication of Automatic Cone Winding
191. Fabrication of Pulverize
192. Fabrication of Automatic Envelope Folding Machine
193. Fabrication of Coil Winding Machine
194. Sheet Metal Bend Removing Machine
195. Fabrication of Tilt Able Extension Ladder
196. Fabrication of Spring Rolling Machine
197. Fabrication of Sheet Metal Cutting

198. Indexing Table for Drilling Machine
199. Design of Effluent Treatment Plant
200. Coal Cutting Machine
201. Paint Mixing Machine
202. Band Saw Cutting Machine
203. Manual /Automatic Injection Molding
204. Fabrication of Drilling Machine
205. Fabrication of Oven
206. Jigs and Fixtures
207. Mini Milling Machine
208. Metal Detector
209. Design & Fabrication of Soft Start Couplings
210. Remote Material Handler
211. Conveyor for Industries
212. Remote Controlled Wheel Chair
213. Artificial Arm
214. Inspection System Using Pc
215. Machining Status Informer
216. Fabrication of Pipe Bending Machine
217. Bottle Vending Machine
218. Motorized Door Opener

219. Plant Automation
220. Hydro Pneumatic Vice
221. Coin Vending Machine
222. Lift Control Using PC And MCU
223. Escalator Lift Using PC & MCU
224. Auto Grass Cutter
225. Auto Drain Valve with Air Drier For Compressor
226. Auto Hammer Striker
227. Battery Operated Portable Pump
228. Circular Cutting Machine
229. Coir Making Machine
230. Conveyer For Quality Control
231. Electrical Spot Welding Machine
232. Energy Efficient Conveyor With Auto Dimensioning
233. Fabrication of Pneumatic Vice
234. Fabrication of Solid Fuel Fabrication Machine
235. Pneumatic Hag Saw Cutter
236. Pneumatic stairs for fire brigade
237. Over Load Indicator for Machines
238. Pneumatic Punch
239. Pneumatic Comparator
240. Remote Controlled Screw Jack
241. Food Process Control Station
242. Design of Pressure Vessel to Code Specification
243. Heat Recovery Steam Generator (HRSG)
244. Fabrication of Key Way Milling Machine
245. Gas Monitoring System
246. Fabrication for Slotting Machine
247. Simultaneous Operations through Flow Process
248. Fabrication of Bar Bending Machine
249. Tool analysis Using CAD software
250. Fabrication of Heat Exchanger

Note: - For more projects feel free to contact our student Support team at:-

- 1 - 21 **Solar** based mechanical projects.
- 22 - 36 **Mechanical New** projects.
- 37 - 61 **Robotics** projects
- 62 - 97 **Automation** Projects.
- 98 -106 **Mechanical Paddles Powered** Projects.
- 107 - 132 **Automobile** projects.
- 133 - 144 **Energy generation** projects.
- 145 - 154 **Hydraulics** projects.
- 155 onward **Mechanical General Project's**.

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Or

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