

- 9+ Years of Excellence in MECHANICAL PROJECTS FABRICATION AND DESIGN ,CSE ,ECE,IT,EEE,CIVIL
- Expert developers in JAVA , DOT NET , ANDROID , PHP, MATLAB , NS2 , NS3 , VLSI ,CLOUD SIM, TANNER , MICROWIND , EMBEDDED , ROBOTICS , MECHANICAL , MECHATRONICS , WIRELESS NETWORKS, OPNET , OMNET
- OWN PROJECT FABRICATION FACTORY :M-BOTS PROJECT INDUSTRIES AT PONDICHERRY
- STUDENTS CAN DO THEIR PROJECT AT OUR FACTORY AND LEARN MECHANICAL FABRICATION

ONLY PROJECT CENTRE WITH R&D FACTORY AT PONDICHERRY

PONDICHERRY – VILLUPURAM – CUDDALORE–CHENNAI

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ADVANCED MECHANICAL PROJECTS 2017-2018

1. Air hybrid cycle
2. Wall climbing robot
3. Box shifter using link mechanism
4. Evolution of perpetual motion
5. Four way hacksaw
6. Hybrid vehicle
7. Manually operated robotic arm
8. Fabrication of unconventional compressor for trucks
9. Fabrication of sunflower thresher
10. Scrap collecting machine
11. Fabrication of pneumatic vehicle
12. Biogas digester from sheet metal
13. Air operated generator
14. Seed spraying quad copter
15. Fabrication of magnetic gear
16. Baby recovering equipment from deep well
17. Opposite piston engine (model)
18. Extraction of fuel from waste plastics using catalyst cracking & pyrolysis
19. Fabrication of Treadmill electric vehicle
20. Manual powered car
21. Experimental analysis of vapour chamber heat spreader
22. 4-wheel 3 mode
23. Pulse jet engine performance normal petrol gas
24. Design & development of standing wheel chair

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NO. 19, SIVAM TOWERS, 3 RD FLOOR, OPPOSITE TO VASANA EYE CARE, INDIRA GANDHI SIGNAL, PONDICHERRY.	NO. 798 C, NEHRUJI ROAD, ABOVE ANDHRA BANK, OPPOSITE TO RICE COMMITTEE, OLD BUSTAND ROAD, VILLUPURAM.	NO. 1, SS COMPLEX, OPP TO CHURCH, SEMMANDALAM JUNCTION, CUDDALORE.	TAMBARAM

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25. Effortless bicycle
26. Two engine synchronization for four wheeler
27. Fabrication of Air brake system using Engine exhaust gas
28. Automatic car window opening by using sound & oxygen sensors
29. Viability of used sunflower oil as a substitute for diesel engine
30. Fabrication of Quad bike
31. Air-conditioning of automobile using engine exhaust gas
32. Experimental study and Application in Nano fluids in refrigeration
33. Magnetically Levitated Train / Flight
34. Exhaust gas (silencer) heat recovery (TEG) power generation system
35. Fabrication of Magneto rheological clutch with load test
36. Magneto Rheological fluid (MRF) breaking system
37. Fabrication of Turbo charged two wheeler with zero turbo lag
38. Eye blink sensor based automatic breaking & bumper system
39. Cold start performance enhancement of motor cycle catalytic convertor by latent heat storage system
40. Kinetic Energy Recovery System (KERS) cycle
41. Fabrication of Electromagnetic engine
42. Triangular air-compressor with common compression chamber
43. Shock absorber test rig using cam & sensors
44. Fuel efficiency improvement in petrol engine by using water injection
45. Generation of Electricity using flow or velocity of vehicle exhaust gas
46. Multi tasked smart wheel chair for physically challenged people
47. Dual power generation system for automobile (thermoelectric + exhaust gas power generation)
48. Emission control in two stroke petrol by using multiple spark

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49. Automobile suspension made of hydraulic magneto rheological damper
50. Exhaust Gas Recirculation system (EGR) for two wheeler
51. A Study conversion of diesel engine to fully bio gas engine
52. Active brake torque vectoring in differential unit for quick turning
53. Electric scooter powered by wind & piezoelectric power
54. Fabrication of smart trike-tilting 3 wheeler
55. Four wheeler steering (ZERO DEGREE) system
56. Theo Jansen 4 leg walking mechanism
57. Joy stick control car drive mechanism for physically challenged people
58. Air pre-heating system using condenser waste heat in automobile
59. Design of a drone for seed dropping (QUAD COPTER)
60. Aqua Maxfine (without battery)
61. Design & fabrication of Exo-skeleton
62. Exo support for legs
63. Stroke therapy chair
64. Unpowered Exo-skeleton boot
65. Water waste separator using belt conveyor
66. Coconut dehusking machine
67. Automatic quick tool retrieval system for industry
68. Semi-automatic weed remover in sugarcane farm
69. Low cost harvesting machine for agriculture
70. Fabrication of water soaked sole cleaning system
71. Automatic open well cleaning machine
72. Semi-automated wall plastering machine
73. Fabrication of motorized multi-engine compressor
74. Fabrication of banana fiber extraction machine

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75. Mini rice harvesting and threshing machine
76. Automatic paper cutting using Geneva mechanism
77. Fabrication quad processing machine
78. Book reading aid for handicapped people
79. Three axis hydraulic modern trailer
80. Fabrication of coconut tree sprayer
81. Square holes drilling machine
82. Activated carbon manufacturing plant
83. Automatic paint spraying pick and place equipment
84. Coconut tree climbing and cutting machine
85. Fabrication of beans Sheller machine
86. Fully automated potato chip slice making machine
87. Furnace using infrared lamp
88. Dual ram shaper to reducing lead time increasing material removal rate
89. Fabrication of friction welding machine
90. Punching machine using whit worth mechanism
91. Mechanically operated wheel chair convertible stretcher
92. Self-powered pesto- sprayer
93. Fabrication wall climbing robot (by using magnet)
94. Potato peeling & slicing machine (automatic)
95. Automatic idly batter filling mechanism
96. Automation of violent elephant controlling mechanism
97. Restaurant monitoring system
98. Eye blink sensor based automatic bumper & braking system
99. Fabrication of unaided guided vehicle (UGV)
100. Fabrication of anti-drown vehicle

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101. Automatic stair climbing wheel chair
102. Automatic railway track crack detecting vehicle
103. Step climber planetary gear mechanism
104. 90 degree turning steering mechanism
105. Sensor operated fire fighting AGV (automatic)
106. Fabrication of quantity based sorting machine
107. Automatic board cleaner with vacuum dust cleaner
108. Design & fabrication of green gym
109. Fabrication of V-trough solar water heater
110. Design & fabrication of dual rotor wind turbine
111. Generation of electric city from cycling exercise (250w generator)
112. Solar powered tea leaf cutting machine
113. Solar still coupled with air-conditioner
114. Solar electric go bed drive
115. VIVACE (vortex induced vibration aquatic clean energy) a new concept in generation of clean & renewable energy from fluid flow
116. Fabrication of buggy with solar hybrid vehicle
117. Fabrication of solar automatic stair climbing wheel chair
118. Horizontal turbine type domestic wind mill
119. Indirect type solar dryer integrated with solar air heater
120. Solar powered thermo-electric refrigerator
121. Pyro electric energy harvesting from solar and wind energy
122. Zedlite desiccant dehumidifier with variable frequency drive with moisture sensor
123. thermo-electric solar air conditioner
124. Design & fabrication of combo refrigerator
125. Experimental study of refrigeration setup with 2 difference diffusers

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126. Waste chill recovery heat exchange
127. Experimental study of refrigeration system using CO2 refrigerant
128. Experimental setup & application of Nano fluid in solar water heater
129. Fabrication of LPG refrigeration
130. Sea water converted to RO drinking water by using solar power
131. Automatic scrap collecting robot
132. Intelligent oil skimmer robot
133. Rescue robot for military purpose
134. Fabrication of fire fighting AGV
135. The autonomous navigation of intelligent robot for rescue interventions
136. Design & fabrication solar hover bike (model)
137. Fabrication of suction dredger for ship
138. Gear cutting attachment in lathe
139. Mini fire fighting robot
140. Fabrication of pneumatic multipurpose machine
141. Line following robot
142. Pneumatic scissor lifter
143. Slotting attachment in drilling machine
144. Automatic spring rolling machine
145. Hydraulic cylinder liner puller

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