

## **MECHANICAL PROJECTS**

### **FABRICATION BASED PROJECTS**

1. AUTOMATIC FOOT DUST CLEANING MACHINE
2. AUTOMATIC RAIN OPERATED WIPER
3. FLOOR CLEANING MECHINE
4. ABRASIVE JET MACHINE
5. ABRASIVE BELT GRINDER
6. MILLING ATTACHMENT FOR LATHE
7. MOTOL OPERATED WATER PUMPING SYSTEM
8. MOTORIZED SCREW JACK
9. MULTI-SPINDLE DRILL HEAD
10. PEDAL OPERATED WATER PUMPING SYSTEM
11. AUTOMATIC HYDRO PNEUMATIC LUBRICATING SYSTEM
12. AUTOMATIC STEERING CONTROL MECHANISM
13. AUTOMATIC BARREL LIFTING SYSTEM
14. FABRICATION OF COOLING TOWER
15. MANUAL SHEET ROLLING MACHINE
16. MINI ROBOT CAR
17. MINI WATER SERVICE STATION
18. MULTI-PURPOSE MACHINE
19. MULTI SPEED GEAR BOX
20. SENSOR OPERATED INTELLIGENT BRAKING SYSTEM
21. ROTARY VANE PUMP
22. 90 DEGREE TURNING STEERING MECHANISM
23. ABRASIVE BELT GRINDER
24. ABRASIVE JET MACHINE
25. ACCIDENT AVOIDING SYSTEM FOR CUTTING MACHINE
26. ACTIVATED CARBON MANUFACTURING PLANT
27. SENSOR OPERATED INTELLIGENT BRAKING SYSTEM
28. ACCIDENT AVOIDING SYSTEM FOR PUNCHING MACHINE
29. AUTO INDEXING GEAR CUTTING ATTACHMENT FOR PNEUMATIC SHAPING MACHINE
30. MANUAL OPERATED 2 TON HYDRAULIC PIPE BENDING MACHINE
31. AUTOMATIC ACCIDENT AVOIDING SYSTEM IN MACHINE
32. AUTOMATIC BAR FEEDING MECHANISM FOR CUTTING MACHINE

Mobile: +91 90353 60 600 / +91 9611926380

Email: [info@sestechno.com](mailto:info@sestechno.com), [mechanicalflywings@gmail.com](mailto:mechanicalflywings@gmail.com), [arvindsestechno@gmail.com](mailto:arvindsestechno@gmail.com)

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33. AUTOMATED BOARD CLEANER
34. AUTOMATED BOTTLE WASHING MACHINE
35. AUTOMATED BOARING MECHANISM FOR FOUNDRARY
36. AUTOMATED COIL WINDING MECHINE
37. AUTOMATED DAM SHUTTER CONTROLLING SYSTEM
38. AUTOMATIC DISH WASHING MACHINE
39. AUTOMATED DOUBLE AXIS WELDING MACHINE
40. AUTOMATIC DRILLING AND TAPPING MACHINE
41. AUTOMATIC ELECTRO PLATTING COATING MACHINE
42. AUTOMATIC EMBROSSING MACHINE
43. AUTOMATIC FOOT DUST VACUUM CLEANING MACHINE
44. AUTOMATIC HYDRO PNEUMATIC LUBRICATING SYSTEM
45. AUTOMATIC LAMINATING MACHINE
46. AUTOMATIC LASER GUIDED PUNCHING MACHINE
47. AUTOMATIC LUBRICATION SYSTEM
48. MAGNETIC ACCIDENT PREVENTER FOR TRAIN
49. AUTOMATIC MULTI-MACHINE LUBRICATING SYSTEM
50. PACKING CONTROL MACHINE FOR INDUSTRIAL APPILICATIONS
51. AUTOMATIC PAINT SPRAYING EQUIPMENT
52. AUTOMATIC PAPER COUNTING MACHINE
53. AUTOMATIC PNEUMATIC GRINDING MACHINE
54. AUTOMATIC PAINT SPRAYING PICK AND PLACE EQUIPMENTS
55. INDUSTRIAL BOILER FLAME REMOTE ADJUSTMENTS
56. INSTALLATION OF LPG TO STROKE GASOLINE ENGINE
57. INTELLIGENT MOTORIZED WALL PAINTING CRANE
58. MAGNETIC SHOCK ABSORBER
59. MAGNETIC SUSPENSION SYSTEM
60. MANUAL SHEET ROLLING MACHINE
61. MINI MILLING MACHINE
62. MINI JET ENGINE
63. MOTORIZED JIB CRANE
64. MOTORIZED SHEET METAL ROLLING MACHINE
65. MOTORIZED TROLLEY
66. MOTORIZED WALL PAINTING CRANE
67. WATER FUEL ENGINE WITHPOWER GENERATION
68. MULTI POINT GREASE GUN

Mobile: +91 90353 60 600 / +91 9611926380

Email:[info@sestechno.com](mailto:info@sestechno.com), [mechanicalflywings@gmail.com](mailto:mechanicalflywings@gmail.com), [arvindsestechno@gmail.com](mailto:arvindsestechno@gmail.com)

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69. MULTI PURPOSE GROUND DRYER AND HEATER
70. MULTI SPEED GEAR BOX
71. MULTI SPINDLE DRILL HEAD
72. OIL FURNANCE
73. OIL PUMP TESTING EQUIPMENTS
74. PAINT MIXING MACHINE
75. PEDAL DRILLING MACHINE
76. PEDAL OPERATED WASHING MACHINE
77. PEDAL OPERATED WATER PUMPING SYSTEM
78. PELTON WHEEL TURBINE
79. PIPE THREAD CUTTING MACHINE
80. REACTION TURBINE
81. REMOTE CONTROLLED DIESEL STARTER
82. REMOTE CONTROLLED GAS STOVE ON/OFF AND FLAME CONTROLLING SYSTEM
83. AUTOMATIC POTATO CHIPS MAKING MACHINE
84. AUTOMATIC RAILWAY TRACK CRACK DETECTING VEHICLE
85. AUTOMATIC VEGETABLE CUTTING MACHINE
86. INDUSTRIAL BOILER FLAME REMOTE ADJUSTMENT SYSTEM
87. DESIGN AND FABRICATION OF CAM VICE
88. CELL PHONE CONTROLLED PICK AND PLACE JUMPING ROBOT
89. COCONUT TREE SPRAYER
90. COIN BOX BASED AUTOMATIC WATER FILLING SYSTEM
91. COIN BOX BASED AUTOMATIC WHEEL AIR FILLING SYSTEM
92. COMPRESSED AIR PRODUCTION USING SPEED BREAKER
93. CONCAVE ATTACHMENTS FOR SHAPING AND LATHE
94. CONTOUR ATTACHMENTS FOR LATHE
95. FABRICATION OF COOLING TOWER WITH POWER GENERATION SYSTEM
96. CONVEYOR AUTOMATION
97. DOUBLE DRUM WET GRINDER
98. ENERGY CONSERVATION IN STEAM POWER PLANT
99. FIRE FIGHTING ROBOT
100. FOUR-AXIS MATERIAL HANDLING ROBOT
101. FRICTION WELDING MACHINE FOR ALUMINIUM
102. FUEL INJECTION
103. GEAR CUTTING ATTACHMENTS FOR LATHE
104. GEAR TYPE INJECTION MOULDING MACHINE

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105. GRASS CUTTER MACHINE
106. GROUND DRILLER FOR PLANTING
107. HOT AND COLD WATER DESPENSOR
108. HOME FLOOR MILL
109. INDUSTRIAL BOILER FLAME REMOTE ADJUSTMENT
110. INJECTION MOULDING MACHINE
111. SENSOR OPERATED AUTO FEED PUNCHING MACHINE
112. SENSOR OPERATED AUTOMATIC TRACK GUIDED VEHICLE
113. SENSOR OPERATED AUTOMATIC RAMMING MACHINE
114. SENSOR OPERATED WATER LEVEL INDICATOR AND CONTROLLING SYSTEM
115. SENSOR OPERATED CONVEYOR AUTOMATION
116. AUTOMATIC SENSOR OPERATED FOOT DUST CLEANING MACHINE
117. SIX AXIS MATERIAL HANDLING ROBOT
118. SPRING ROLLING MACHINE
119. FABRICATION OF STEERING AND SUSPENSOR MECHANISM
120. SPARK PLUG TESTER AND CLEANER
121. STEPPER MOTOR CONTROLLER USING CELL PHONE
122. STERLING ENGINE
123. TRIANGULAR AIR COMPRESSOR WITH COMMON COMPRESSION CHAMBER
124. FABRICATION OF TURBO CHARGER
125. TWO ENGINE SYNCHRONIZATION FOR FOUR WHEELER
126. AUTOMATIC TYRE PRESSURE INFLATION SYSTEM
127. WASTE WOOD CRUSHING MACHINE
128. RADIAL PLUNGER PUMP
129. FUEL PROCESSING TECHNOLOGY
130. GASIFIER
131. LATHE COOLANT PUMP WITH FITTING ARRANGEMENT
132. MECHANICAL MINI PLASTIC CRUSHER MACHINE
133. MULTI-NUT TIGHTNER
134. OIL PUMP TESTING EQUIPMENT
135. OIL FURNANCE
136. DESIGN OF INDUCTION FURNACE CONTROL
137. ARTIFICIAL INTELLIGENT BASED FIRE FIGHTING AGV
138. ARTIFICIAL INTELLIGENT BASED PATH FINDING CUM VIDEO ANALYSING ROBOT
139. AEROPLANE CONTROLLING SYSTEM

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**PNEUMATICS AND HYDRAULICS BASED PROJECTS**

1. PNEUMATIC PUNCH DIE
2. THREE AXIS PNEUMATIC MODERN TRAILER
3. PNEUMATIC WOOD CUTTING MACHINE
4. PNEUMATIC ACRYLIC SHEET BENDING MACHINE
5. PNEUMATIC ARC WELDING MACHINE
6. PNEUMATIC AUTO FEED SHEET CUTTING MACHINE
7. PNEUMATIC DOOR OPEN AND CLOSURE SYSTEM
8. DESIGN AND FABRICATION ON PNEUMATIC DRILL JIG
9. PNEUMATIC QUICK RETURN MECHANISM
10. PNEUMATIC RAILWAY TRACK CHANGER
11. PNEUMATIC ROTARY GRINDING MACHINE
12. AUTOMATIC PNEUMATIC TAPPING MACHINE
13. AUTOMATIC PNEUMATIC GALVANIZING MACHINE
14. AUTOMATIC PNEUMATIC VICE AND JACK
15. AUTOMATIC PNEUMATIC WATER PUMPING MACHINE
16. PNEUMATIC BEARING PRESS
17. HYDRAULIC CYLINDER LINER PULLER
18. AUTOMATIC ELECTRO - HYDRAULIC BRAKE SYSTEM
19. PNEUMATIC HIGH SPEED HACKSAW MACHINE
20. AUTOMATIC PNEUMATIC HAMMER
21. PNEUMATIC CUTTING AND GRINDING MACHINE
22. AUTOMATIC PNEUMATIC HACKSAW WITH FEEDING MECHANISM
23. AUTOMATIC PNEUMATIC PAPER CUTTING MACHINE
24. AUTOMATIC PNEUMATIC HIGH SPEED SHEET CUTTING MACHINE
25. AUTOMATIC PNEUMATIC PRINTING PRESS
26. AUTOMATIC PNEUMATIC PUNCHING AND RIVETING MACHINE
27. AUTOMATIC PNEUMATIC SHAPING MACHINE
28. AUTOMATIC PNEUMATIC GRINDING MACHINE
29. AUTOMATIC PNEUMATIC STAND FOR TWO WHEELER
30. AUTO FEED PNEUMATIC SHEET CUTTING MACHINE
31. PNEUMATIC PAPER CUTTING MACHINE
32. PNEUMATIC HIGH SPEED HACKSAW
33. HYDRAULIC DISC BRAKE
34. HYDRAULIC PRESSURE TESTING PUMP
35. HYDRAULIC SCISSOR LIFTER
36. REMOTE OPERATED PNEUMATIC MATERIAL HANDLING ROBOT
37. DIGITAL HYDRAULIC JACK

Mobile: +91 90353 60 600 / +91 9611926380

Email: [info@sestechno.com](mailto:info@sestechno.com), [mechanicalflywings@gmail.com](mailto:mechanicalflywings@gmail.com), [arvindsestechno@gmail.com](mailto:arvindsestechno@gmail.com)

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**CONVENTIONAL AND NON CONVENTIONAL PROJECTS**

1. POWER GENERATION USING VERTICAL AXIS WIND MILL SYSTEM
2. REFRIGERATOR CUM GENERATOR USING THERMO ELECTRIC EFFECT
3. HORIZONTAL CYLINDER LINER PULLER
4. HORIZONTAL TURBINE TYPE DOMESTIC WIND MILL
5. DOUBLE EFFECTING SOLAR COOKER
6. CELL PHONE CONTROLLED SOLAR VEHICLE
7. SOLAR AGRICULTURAL WATER PUMPING SYSTEM WITH AUTO TRACKING
8. SOLAR AIR COOLER
9. SOLAR AIR DRYER WITH AUTO TRACKING
10. SOLAR AUTOMATED GUIDED VEHICLE
11. SOLAR AUTOMATED CELL PHONE CHARGER WITH PAY SYSTEM
12. SOLAR BOARD CLEANER
13. SOLAR POWERED AUTO CHARGING GRINDING MACHINE
14. SOLAR AUTOMOBILE FRIDGE
15. SOLAR AUTOMOBILE AIR COOLER
16. SOLAR AUTOMATED RAILWAY TRACK CRACK DETECTING VEHICLE
17. SOLAR AUTOMATIC DISH WASHING MACHINE
18. SOLAR AUTOMATED TRACK GUIDED VEHICLE
19. SOLAR POWERED GRASS CUTTING MACHINE
20. DESIGN AND FABRICATION OF THREE IN ONE AIR CONDITIONER
21. SHELL AND TUBE HEAT EXCHANGER
22. SOLAR WATER DISALATION BY PARABOLIC COLLECTOR
23. ELECTRICAL POWER GENERATION USING FOOT STEP
24. ELECTRICAL POWER GENERATION USING SHOCK ABSORBER
25. ELECTRICAL POWER GENERATION USING SPEED BREAKER

**AUTOMOBILE BASED PROJECTS**

1. COMPRESSED AIR ENGINE FOR FOR TWO WHEELER
2. AIR POWERED ENGINE
3. ANTI- LOCK BREAKING SYSTEM
4. AQUA SILENCER
5. AUTO CLUTCH FOR AUTOMOBILE
6. AUTOMATED GUIDED VEHICLE

Mobile: +91 90353 60 600 / +91 9611926380

Email: [info@sestechno.com](mailto:info@sestechno.com), [mechanicalflywings@gmail.com](mailto:mechanicalflywings@gmail.com), [arvindsestechno@gmail.com](mailto:arvindsestechno@gmail.com)

7. AUTOMATED TRACK GUIDED VEHICLE
8. AUTOMATIC BRAKE FAILURE INDICATOR ALARM
9. AUTOMATIC CAR PARKING SYSTEM
10. AUTOMATIC CLUTCH AND BRAKING SYSTEM FOR FOUR WHEELER
11. AUTOMATIC DIFFERENTIAL UNIT LOCKING SYSTEM
12. AUTOMATIC ELECTROMAGNETIC BRAKE
13. AUTOMATIC ELIMINATION OF LOW BATTERY INDICATION SYSTEM
14. AUTOMATIC GEAR TRANSMISSION FOR TWO WHEELER
15. AUTOMATIC HAND BRAKE RELEASE
16. AUTOMATIC HEADLIGHT ALIGNMENT SYSTEM
17. FABRICATION OF AUTOMATIC JACK
18. AUTOMATIC PARKING BRAKE SYSTEM
19. AUTOMATIC FOUR SIDE PNEUMATIC JACK
20. AUTOMATIC PNEUMATIC STAND FOR TWO WHEELER
21. AUTOMATIC SIDE STAND WITH BRAKE LOCKING SYSTEM
22. AUTOMATIC STEERING CONTROL MECHANISM
23. BATTERY CYCLE
24. BATTERY CAR
25. CAR AUTOMATION WITH SECURITY SYSTEM
26. CELL PHONE CONTROLLED MATERIAL HANDLING VEHICLE
27. COMPRESSED AIR PRODUCTION USING SUSPENSION SYSTEM
28. COMPRESSED AIR ENGINE
29. ELECTRIC TWO WHEELER
30. ELIMINATION OF CARBON PARTICLES FROM EXHAUST GAS
31. EMERGENCY BRAKING SYSTEM

#### **AGRICULTURE BASED PROJECTS**

1. AGRI-CUTTER
2. AUTOMATIC WATER IRRIGATION SYSTEM
3. GREEN HOUSE MONITORING SYSTEM
4. MULTI PURPOSE AGRI ROBOT
5. WATER IRRIGATION USING WIND MILL
6. PORTABLE VEGETABLE CUTTER AND SLICER
7. FABRICATION OF GROUND NUT CRUSHER
8. FABRICATION OF LOW COST HARVESTING MACHINE
9. FABRICATION OF SOLAR SEED DRYER WITH AUTO TRACKING
10. AUTOMATIC VEGETABLE / LEMON CUTTING MACHINE

Mobile: +91 90353 60 600 / +91 9611926380

Email: [info@sestechno.com](mailto:info@sestechno.com), [mechanicalflywings@gmail.com](mailto:mechanicalflywings@gmail.com), [arvindsestechno@gmail.com](mailto:arvindsestechno@gmail.com)

11. FABRICATION OF PEDAL OPERATED WATER PUMPING SYSTEM
12. FABRICATION OF COCONUT TREE SPRAYER
13. FABRICATON OF PLANT CUTTER
14. FABRICATION OF MULTI AGRI CUTTER
15. AUTOMATIC GRASS CUTTING ROBOT
16. FABRICATION OF VEGETABLE SLICING MACHINE

*we provide you the synopsis, PPT softcopy, classes on projects , catia modeling and analysis using ansys , viva questions , final report soft copy and the final model of the project...*

**SES TECHNO** Govt., certified institute No.25/36/CE/0702/2014

SR avenue building, #16/4, 3<sup>rd</sup> floor  
Mathikere main road  
Mathikere  
Bangalore-560054  
Land mark : next to Karnataka bank  
Ph; +91 -9035360600, +91 -9611926380  
Landline : 080 -42292760  
Email; [info@ses-techno.com](mailto:info@ses-techno.com)  
[mechanicalflywings@gmail.com](mailto:mechanicalflywings@gmail.com)  
[arvindsestechno@gmail.com](mailto:arvindsestechno@gmail.com)  
website; [www.ses-techno.com](http://www.ses-techno.com)

Mobile: +91 90353 60 600 / +91 9611926380

Email:[info@sestechno.com](mailto:info@sestechno.com), [mechanicalflywings@gmail.com](mailto:mechanicalflywings@gmail.com), [arvindsestechno@gmail.com](mailto:arvindsestechno@gmail.com)

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