



IGEEKS TECHNOLOGIES

Software Training Division

Academic Projects for BE, ME, MCA, BCA and PHD Students

IGeekS Technologies (Make Final Year Project)

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MECHANICAL PROJECTS

FABRICATION PROJECTS

1. HYBRID POWER GENERATION (SOLAR AND WIND) FOR OPTIMIZING MOTOR AND LIGHT
2. HOVER CRAFT MODULE
3. QUADCOPTER
4. FLYWHEEL BASED REGENERATIVE BREAKING
5. AUTOMATIC CONVEYOR BELT WITH PICK AND PLACE AND DIGITAL COUNTER.
6. AUTOMATIC GUN FIRING SYSTEM FOR MILITARY APPLICATION.
7. PUSH OPERATED SPRAY PUMP, MECHANICAL FABRICATION PROJECT
8. EFFICIENT POWER GENERATION AND MULTI PURPOSE OPTIMIZATION
9. PICK AND PLACE ROBOT WITH GRIPPER
10. SMART WINDOW
11. MECHANICAL REAL TIME CAN CRUSHER
12. PEDAL OPERATED HACKSAW MACHINE
13. RESCUE DEVICE TO SAVE INFANTS STRUCK IN DEEP PITS
14. HAND OPERATED MECHANICAL RECLINER
15. PIPE INSPECTION ROBOT
16. MOTOR VIBRATION CHECKER WITH SENSOR AND SPEED DISPLAY
17. DESIGN OF MULTIPLE APPLICATION AIRPLANE.
18. ROBOTIC AID FOR COMMANDO OPERATIONS
19. SMART DESIGN BASED HYDRO POWER GENERATION
20. WIND POWER UTILIZATION FOR CAR ANNUNCIATOR
21. FOOT STEP BASED POWER GENERATION.
22. ROBOTIC PICK AND PLACE.
23. DESIGN AND DEVELOPMENT OF PNEUMATIC RIVETING MACHINE
24. DEVELOPMENT OF COLOR SENSOR APPLICATION FOR INDUSTRIAL USE.
25. PNEUMATIC BASED CRANE(TWO/FOUR)CYLINDERS.
26. PORTABLE HYDRAULIC CRANE
27. PNEUMATICS BASED PICK AND PLACE.
28. KROTO FINDER.
29. SMART WINDOW.
30. SOLAR OPERATED DRILL MACHINE.
31. HUMP POWER GENERATOR.
32. GYM POWER GENERATOR.
33. FIRE EXTINGUISHING OR FIRE FIGHTING ROBOTIC VEHICLE WITH RF TECHNOLOGY
34. TRACKING OF SOLAR ENERGY ACCORDING TO TIME WITH LIGHTNING SYSTEM.
35. AUTOMATIC GUN FIRING ROTATION FOR INDIAN ARMY.
36. SOLAR OPERATED CUTTING MACHINE.
37. AUTOMATIC AND REMOTE CONTROLLER SCREW JACK.
38. SOLAR CELL OPERATED MOTOR CYCLE.
39. LIFE SAVER FOR INDUSTRIES MACHINE.
40. AUTOMATIC 2,3 AND 4 POINT DRILL MACHINE.
41. PNEUMATIC BASED NIPPER FOR MECHANICAL INDUSTRIES
42. SOLAR POWER CONSERVATION WITH CHARGE CONTROLLER.
43. SUBMARINES REMOTE CONTROLLED/AUTOMATIC FOR NAVY.
44. WIND MILL OPERATED DRILLING MACHINE.
45. INTELLIGENT COMBAT ROBOT.
46. AUTOMATIC PAGE TURNER

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47. MULTILEVEL CAR PARKING LIFT USING MCU
 48. WIRELESS HAPTIC COMMUNICATION IN REAL TIME ENVIRONMENT USING MECHANICAL HAND
 49. DIGITAL COUNTING MACHINE IMPLEMENTING CONVEYORS USING METAL DETECTION SENSOR (FABRICATION)
 50. REGENERATIVE BREAKING (ELECTRIC).
 51. AUTOMATED METRO TRAIN
 52. SAFEST SAW MILL.
 53. RECYCLING OF CAR-WASH WASTE WATER.
 54. SMART FOOT POWER GENERATION ON PLATFORM
 55. UN MANNED RAILWAY GATE AUTOMATIC OPENING AND CLOSING.
 56. VEHICLE CRANE AUTO/REMOTE CONTROLLED FOR 1KG WEIGHT.
 57. DESIGN OF SOLAR DRYER
 58. OPTIMIZATION OF POWER TURBINE NETWORK.
 59. REALTIME THREADMILL BASED POWER GENERATION AND OPTIMIZATION
 60. WATER PUMP RECIPROCATING.
 61. CAR THEFT AND ACCIDENT PREVENTER.
 62. PORTABLE CRANE.
 63. PICK TO PLACE ROBO USING A COMPUTER TROUGH WIRELESS.
 64. WIND POWER GENERATOR.
 65. SOLAR TRACING SYSTEM WITH WATER PUMP.
 66. WIND MILL OPERATED DRILLING MACHINE.
 67. WIND MILL OPERATED CUTTING MACHINE.
 68. INTELLIGENT COMBAT ROBOT.
 69. LIGHT FINDER ROBOTIC VEHICLE.
 70. LINE FOLLOWING ROBOT WITH FORK LIFT
 71. MOBILE CONTROLLED ROBOT.
 72. UNMANNED FIGHTER.
 73. RENEWABLE ENERGY BASED WASHING MACHINE.
 74. AGRI – CUTTER.
 75. SOLAR SPRAYER.
 76. PEDALOPERATED WASHING MACHINE.
 77. SOLAR AIR HEATER.
 78. GLASS CLEANING ROBOT.
 79. WHITE BOARD CLEANING ROBOT.
 80. WHEEL CHAIR CUM STRECHTER (REMOTE OPERATED).
 81. SOLAR, PEDAL AND BATTERY OPERATED WASHING MACHINE.
 82. PNEMATIC RAMMING MACHINE.
 83. DUAL AXIS SOLAR TRACKING SYSTEM.
 84. BIOGAS DIGESTOR.
 85. 3 IN 1 POWER GENERATING MODEL (SOLAR, RAIN AND WIND).
 86. SOLAR TRACKING SYSTEM WITH PANEL CLEANING MECHANISM.
 87. HAPTIC ROBOTIC ARM.
 88. MULTI-PURPOSE OR 3 IN 1 MECHANICAL MACHINE (DRILL,SHAPING AND HACKSAW).
 89. ROBOTIC CRANE WITH UP/DOWN & CIRCULAR MOTION
 90. BIOGAS FURNACE USING CORN COMB
 91. PNEUMATIC DISC BRAKE
 92. IMAGE PROCESSING BASED PC INSPECTION ROBOT
 93. SOLAR OPERATED AUTOMATIC RAIN WIPER
 94. AUTOMATED GREEN HOUSE MONITORING SYSTEM
 95. MULTI OPERATIONAL AGRI ROBOT
 96. VOICE OPERATED WHEEL CHAIR
 97. EFFICIENT CAR PARKING SYSTEM FOR FOUR WHEELER
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98. FABRICATION OF AUTOMATIC FOOT DUST CLEANING MACHINE
 99. INTELLIGENT ROBOTIC WHEEL CHAIR FOR SPECALITY WITH KEY OPERATIONS AND ADVANCED PATH PLANNING AND ROUTING SYSTEM
 100. FABRICATION FIRE SENSING AND FIGHTING ROBOT

Mechatronics Project List 2015-2016

2_LINE FOLLOWER ROBOT

6_AUTOMATIC DOOR OPENING USING PIR

10_VEHICLE TRACKING USING GPS AND GSM

11_HOME SECURITY AND AUTOMATION USING GSM

12_INDUSTRIAL COOLING SYSTEM

12_A_INDUSTRIAL COOLING SYSTEM

13_AUTOMATIC LIGHTNING AND COOLING SYSTEM

14_SMS BASED NOTICE BOARD USING GSM

15_RF BASED TEMPERATURE AND HUMIDITY MONITORING SYSTEM

19_WIRELESS DOOR MONITERING

21_A_AUTOMATIC HIGHWAY SIGNALLING SYSTEM ALONG WITH SPEED CONTROLLING

26_AUTOMATIC RAILWAY SIGNALLING SYSTEM

31_DENSITY BASED TRAFFIC SIGNAL CONTROL

39_FIRE SENSING ROBOT

43_REMOTE FIRING ROBOT

46_Speech based wheel chair control for physically challenged person using Android Bluetooth technology

50_Toll Collection System using RFID

51_Metal Detecting Robot

52_PICK AND PLACE ROBOT

52_A_RF BASED PICK AND PLACE ROBOT

53_SMART PARKING SYSTEM

54_SMS BASED IRRIGATION SYSTEM

54_A_ SOLAR POWERED WATER PUMP WITH SMS ALERT FOR IRRIGATION SYSTEM

62_FIRE SENSING ROBOT WITH RF AND ALARM

84_STREET LIGHT POWER SAVER

87_SEEDING AGRICULTURE ROBOT

99_VEHICLE CONTROL UNDER DRIVER FATIGUE

100_AUTOMATIC DRUCKEN DRIVE AVOIDING SYSTEM

101_IR BASED TOUCH AND GO NEAR TOLLGATE

110_ Embedded LAND ROVER with Sensor Interface with ZigBee Technology

117_INTELLIGENT AMBULANCE FOR CITY TRAFFIC

118_A_Industrial Automation for Mobile Device using Bluetooth Technology

122_HITECH JAIL

126_AUTOMATIC RAILWAY GATE CONTROL USING STEPPER MOTOR

126_A_AUTOMATIC RAILWAY GATE CONTROLLER DEPENDS ON TRAIN SPEED

141_AUTOMATED CAR PARKING USING ULTRASONIC SENSOR

147_PC CONTROLLED ROBOT

149_AUTOMATED PARKING GATE CONTROL USING IR

155_ULTRASONIC BASED DEFENCE SECURITY SYSTEM

157_RF BASED ROBOT CONTROL WITH TEMPERATURE ALERT

157_RF controlled vehicle for disabled people with obstacle & fire detection

158_IR BASED OBSTACLE DETECTION ROBOT

159_FREE MOVING ROBOT WITH FRONT & BACK IR OBSTACLE

DETECTOR173_INDUSTRIAL BATCH COUNTER FOR PACKING AUTOMATION

184_AUTOMATIC SPEED BREAKING SYSTEMS FOR VEHICLES

185_Head movement based wireless communication with speech alert for Paralyzed Person

198_FUEL INDICATION & PETROL BUNK DETECTOR

243_GSM based airport automation

244_PICK & PLACE ROBOT WITH FIRE SENSING

275_ZIGBEE_BASED_INDUCTION_MOTOR_speed_control

276_GSM Based Industrial Disaster Intimation Control System (GIDICS)

291_Bomb detection robot

319_Renewable energy - 12V DC Power generation using Back EMF & Solar for LED load

329_COIN BASED MOBILE CHARGER, WATER FILLING AND WEIGHT
MEASUREMENT SYSTEM

346_Automatic Dim & Dipper for automobiles

377_Automatic Steering controlled Fog lamps

387_Safety helmet for a pilot

401_HEAVY VEHICLE ALERT & INTIMATION SYSTEM FOR TRAFFIC POLICE USING
LOAD SENSOR USING GSM

437_ AUTOMATIC BABY e-CRADLE FOR INFANT CARE

443_Robust Railway Crack Detection Scheme (RRCDS) Using LED-LDR Assembly

453_Automated Waste Segregator

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