
	<p align="center">Pimprichinchwad Education Trust's Pimprichinchwad Polytechnic (An ISO 9001:2015 Certified Institute) Sector No. 26, Pradhikaran, Nigdi, Pune – 411044. Phone: 27658797/27654156 Email:principal@pcpolytechnic.com</p>		Record No.	
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Department of Mechanical Engineering Project List (Regular)				

Academic Year 2019-20

Sr.No.	Project Name
1	Sensor Based Mechanism For Cloth Drying
2	Steering System Which Rotates Car Wheel At 360°
3	Welding Fixture
4	Manufacturing Helical Spring Using Composite Material
5	Solar Based Reciprocating Pump For Vehicle Washing
6	Energy Efficient Minibox Using TEC System
7	Solar Operated Automatic Seed Sowing Machine
8	Design And Analysis Of Vortex Tube
9	Excess Welding Removal In Pipes
10	Design And Development Of Prony Brake Dynamometer
11	SPM For Duplex Grinding
12	Rocker Bogie Robot
13	Addressible Fire alarm System
14	Solar Operated Vacuum Cleaner
15	Design And Fabrication or Pedal Operated Water Pump

16	Design And Development Of Pedal Operated Electricity Generator
17	Oil Separator From Sea
18	Heavy Duty Paddy Harvester
19	Theoretical Study or Comparison Of E-Vehicle With Conventional Vehicle
20	Tesla Coil Design And Manufacture
21	Automatic Grass Cutting And Fertilizer Sprinkler
22	Ignition Blocking System Through Alcohol Detector
23	Advanced Multipurpose Vapour Compression Cycle
24	Solar Operated Groundnut Shelling Machine
25	Darcy's Friction Factor
26	Solar Operated Water Hyacinth Remover Boat
27	Generating Electricity Using Magnet

Academic Year 2018-19

Sr.No.	Project Name
1	Magnetic Chip collector
2	Brake Energy converter system for car
3	Single motor spiral path sun tracking system
4	Automatic vehicle lifting jack
5	Advance Agro cutter
6	Micro windmill generator with blade filter and air washer
7	Eddy Current braking system
8	Electric Go Kart
9	Solar Operated 360 degree air cooler
10	Modification in roller lifting mechanism of sugar mill
11	Fertilizer spreading machine
12	Anti screwing rotator
13	Scroll saw
14	Foot step electricity generation system
15	Sprocket side stand retrieve system
16	Design and fabrication of sea oil separation device
17	Charcoal Canister
18	Design and development in press machine by attaching plate for washer remover
19	Three way trailer
20	Fabrication of electromagnetic gear changer
21	Portable hydraulic scissor lift for lifting heavy components
22	Automatic Gear Shifting

23	Automatic Gear Shifting
24	River cleaning machine
25	90 degree steering system
26	Modification in forging machine
27	Shape charging tyre
28	Performance analysis of wind turbine using wind lens technology
29	Sugarcane bud cutting machine
30	Construction of aqua silencer
31	Fertilizer spreading machine
32	Electrically operated sand separating machine
33	Mini conveyor using geneva mechanism
34	Paper cutting machine by Geneva mechanism
35	Rice and seed planting machine

Academic Year 2017-18

Sr.No.	Project Name
1	Automated Piercing Machine
2	Work Rest For CNC Machine
3	Optimized Spray Painting Robot
4	Maglev Wind Turbine
5	Modification of Jigs & Fixtures for Cab Base
6	Design And Development Of X_Y Plotting Machine
7	Modification Of Gear Shaving Machine
8	Lifting Tackle For Truck Axle
9	Automatic Rice And Chilly Plantation
10	Fabrication Hybrid Tricycle with minimal effort handicapped person
11	Automatic Tire Inflation System
12	Automatic Plastic Rivet Assembling Machine
13	Fabrication Of Groundnut Separator From Plant Using Bi-Cycle
14	Rocker Bogie Mechanism
15	Bottle Filling System (Filling, Capping, Tightening)
16	Automatic Virtual Railway Platform
17	Bicycle Power Washing Machine
18	Electromagnetic Piston
19	Suspension Operated Air conditioning system
20	Automated Footrest And Side Stand Slider
21	Magnetic power Transmission
22	Puncture Repairing Plug

23	HHO Generator
24	Two Stage Mechanical Oscillator
25	Mechanical Single Arm Exoskeleton
26	Automatic Wheel Nut Remover Tool

Academic Year 2016-17

Sr. No.	Project Name
1	C1-hybrid charger for automobile
2	Manual operated four pedal auto-rickshaw
3	Hovercraft
4	Advanced Field Cycle
5	Multi-Purpose Refrigerator
6	Mini sugarcane harvester
7	Smart Vehicle
8	Variable Displacement Pumps Using Kinetic Links
9	Beveling Machines
10	Treadle Pump
11	Tumbling Machine
12	Pressurised Vessel
13	Circular plate cutting attachment
14	Modification of rollover machine
15	L-Pillar Assembly machine
16	Recumbent Trike
17	Sea Oil Separator
18	Automatic sheet cutting machine
19	Automatic pneumatic bumper
20	Anti-rolling breaking system
21	No touch implementation on polishing line defect reduction

22	Cleaning Inspection Machine
23	Automatic Lubrication Machine
24	Coconut De-husking
25	Pressure die casting
26	Multipurpose agricultural robot
27	Angular Offset Coupling
28	Automatic drainage system
29	Hybrid Energy Generator
30	Poultry farm Heating Machine
31	Corn Deseeding Machine
32	Can Crusher using Chain Drive Mechanism
33	Sugarcane Node Cutting Machine
34	Bicycle Operated Mechanical Sprayer
35	Material separator machine
36	Troubleshooting Of Window air-conditioner
37	Development of solar wind hybrid power system for street lamp
38	Three axis robotic arm

Academic Year 2015-16

Sr. No.	Project Name
1	Design And Manufacturing Of Rotary Broach Sponsored: V.R. Coating Pvt Ltd
2	Kinetic Energy Restoration System Sponsored: Siddharth Solar Technergies
3	Heat Pipe Testing Rig Sponsored: Golden Star Pvt Ltd
4	Study of manufacturing process of boiler drum in thermax ltd.
5	Defect Analysis Of Aluminum High Pressure Die Casting Process Sponsored: Super Auto India Ltd.
6	Welding Fixture For Jacket Tube With Bracket Assembly Sponsored: Kimaya Enterprises Ltd
7	Application of 5s tool in amay raj press coo'p(p) ltd
8	Post punching die Sponsored: Vltra Engineers
9	Ornithopter
10	Design and Manufacturing of Self Locking Differential
11	Manually Operated Water Pump
12	Boster bicycle
13	Button operated electromagnetic gear shifting for two wheeler mechanism
14	Walking machine
15	Multinut remover
16	Automation pipe cutting machine
17	Automotive sterling engine
18	Gravity assisted powerless revolving conveyor system
19	Refrigeration By Peltier Effect

20	Continuously variable transmission
21	Magnetic gear drive
22	Electricity Generation Using Transducers
23	Troubleshooting Of Vapour Compression Test Rig
24	Hydraulic angle bending machine
25	Pneumatic weight lifter
26	Rose deleafing machine
27	Automatic pneumatic bumper
28	Dairy wastage fertilizer
29	Pneumatic portable crane
30	Displacement measuring instrument

Academic Year 2014-15

Sr. No.	Project Name
1	Design modification of spring in CNC tube bending machine
2	Checking Fixture of Chassis Part
3	Metal Spinning Machine With Hydraulic Punching
4	Portable solar panel with thermo electric warmer & cooler
5	Aqua duct purifier water tri-cycle
6	Multipurpose chamfering and edge preparation machine
7	Principle of dual axis solar tracking system
8	Solar grass cutter
9	Push operated agricultural sprayer
10	Gearless variable speed drive
11	Solar trimmer
12	Abrasive jet machine
13	Automatic electromagnetic brakes
14	Wind based water pump
15	Leak Testing Machine
16	Pedal operated washing machine
17	Continuous variable planetary transmission
18	Solar drier
19	Hydraulic truck unloading machine
20	Magnetic suspension system
21	Variable discharge kinematic pump
22	All wheel steering with all wheel drive

23	Balancing of rotating mass
24	Pneumatic Gear Shifter
25	Portable Windmill Charger
26	Crank operated chainless bicycle
27	Design And Fabrication Of Pedal Operated System