MECHANICAL

Mini Simulation list

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| S/NO | PROJECT TITLE | |
| 1 | Design and analysis of DTH drill bit | |
| 2 | Design and analysis of a piston | |
| 3 | Design and analysis of a connecting rod | |
| 4 | Design and analysis of a cam shaft | |
| 5 | Design and analysis of a crank shaft | |
| 6 | Design and analysis of a alloy wheel | |
| 7 | Design and analysis of a crane hook | |
| 8 | Design and analysis of a shock absorbers | |
| 9 | Design of a vertical axis wind turbine | |
| 10 | Design and analysis of a water jet nozzle | |
| 11 | Design and analysis of a drum brake | |
| 12 | Modeling of a single plate clutch | |
| 13 | Modeling of a centrifugal clutch | |
| 14 | Design and analysis of a screw jack | |
| 15 | Design and analysis of a Archimedes screw | |
| 16 | Design and analysis of a convergent nozzle | |
| 17 | Design and analysis of a helical gear and double helical gear | |
| 18 | Modeling of a sun and planetary gear mechanism | |
| 19 | Modeling of a turbo charger | |
| 20 | Modeling of a car chassis | |
| 21 | Modeling of a kimble engine | |
| 22 | Modeling of a sterling engine | |
| 23 | Modeling of a vertical steam engine | |
| 24 | Modeling and analysis of a loop wheel |
| 25 | Modeling of a differential gear mechanism |
| 26 | Design and analysis of a flange coupling in power transmission |
| 27 | Structural analysis of a rivet joint |
| 28 | Design and analysis of a rocker arm |
| 29 | Design and analysis of a leaf spring |
| 30 | Design and analysis of a solar up drafting tower |
| 31 | Modeling of a boxer engine |
| 32 | Study of six stroke engine for heat recovery |
| 33 | Design and analysis of airfoil (aircraft wing) |
| 34 | Design of propeller blade. |
| 35 | Modeling and simulation of a 2 wheeler alloy wheel |
| 36 | Design of knuckle joint |
| 37 | Design & analysis of spur gear |
| 38 | Study of harm full emission gases of automobiles |
| 39 | Modeling of ball bearing |
| 40 | Study of renewable wind energy source |
| 41 | Design of disk brake plate |
| 42 | Study of eco friendly transportation system |
| 43 | Study of energy generation through speed breaker |
| 44 | Design of flywheel. |
| 45 | Study on usage of automobile pressure energy |
| 46 | Design and analysis of ladder |
| 47 | Design and analysis of excavator bucket |
| 48 | Design of excavator arm |
| 49 | Design and analysis of thick wall cylinder with holes |
| 50 | Design and analysis of 2-stroke engine block |
| 51 | Design of blade for expansion turbine |
| 52 | Design & analysis of car body |
| 53 | Design and analysis of wheel rim |
| 54 | Design and analysis of centrifugal pump |
| 55 | Design of bike frame |
| 56 | Design and analysis of disk brake caliper |
| 57 | Design of tractor trolley axle |
| 58 | Design optimization of helicopter landing gear |
| 59 | Design Heavy vehicle truck chassis |
| 60 | Design and analysis of spur gear |
| 61 | Design and analysis of multi layer pressure vessel |
| 62 | Design of tractor front axle |
| 63 | Design and analysis on blanking tool |
| 64 | Modeling of carburetor |
| 65 | Design and analysis of cylinder head fins |