

Telephone: +91-0422-2209999, Mobile: 95663-09999, 95664-09999, E-mail: info@ssiprject.com

Sno	ProjCode	Project Title
1	CS001	Design & Analysis of Splines Elimination of Starter Motor Shaft
2	CS002	Multipurpose Agricultural Machinery Dynamic Analysis for Shaft
3	CS003	Modeling & Analysis of Leaf spring under dynamic load condition for Tata sumo
4	CS004	Design & Analysis of Supercharging an Engine using Vehicle Suspension
5	CS005	Structural Analysis of Rivet Joint
6	CS006	Design & Analysis of Special Purpose Lifting Equipment
7	CS007	Finite Element Analysis of Bus Body Structure
8	CS008	Static and Vibration Analyzing Shock Absorber Power Generation Using Piezo Electric
9	CS009	Design & analysis of mechanical locking system for fuel flap
10	CS010	Design & Analysis of Coil Spring with different materials
11	CS011	Analysis of FRP composite cylinders
12	CS012	Modeling and analysis of a motorcycle wheel rim
13	CS013	Design and Analysis of Jet Wind Turbine Blades
14	CS014	Comparative analysis of tractors trolley axle by using FEA(by considering change in materials existing shape and size)
15	CS015	Design and analysis of electromagnetic suspension system
16	CS016	Design and analysis of crane hook assembly
17	CS017	Design & analysis of domestic windmill blades
18	CS018	Modeling & structural analysis of rear axle casing of tractor
19	CS019	Analysis of failure mechanism of 90° pipe elbow with in-plane and out-of plane loading
20	CS020	Analysis of Cam shaft using composite material
21	CS021	Design and Analysis of Composite Helical Gear
22	CS022	Productivity Improvement by automatic lifting
23	CS023	Modeling and structural analysis on flight wing by using ANSYS
24	CS024	Design and analysis of a hydraulic die ejector for a powder metallurgy component
25	CS025	Structural analysis of heavy vehicle chassis using honey comb structure
26	CS026	Study of wear behavior of aluminum based composite fabricated by stir casting technique
27	CS027	Design and stress analysis of four-post rollover protective structure of agricultural-wheeled tractor
28	CS028	Design and analysis of scissor jack
29	CS029	3D modeling and analysis of micro gas turbine compressor blade
30	CS030	Design, Animation & Analysis of Suspension Steering System
31	CS031	Design & Analysis of Piston by using Composite Materials Aluminum & magnesium
32	CS032	Design & Analysis of Stirling Engine
33	CS033	Design and Analysis of Electromagnetic Engine
34	CS034	Design and Analysis of the Windmill by the Composite Material
35	CS035	Design & Analysis of Hybrid Magnetic Bearing
36	CS036	Design & Analysis of Vacuum Assisted Wall Climber
37	CS037	Redesign of bead extruder head assembly (Analysis)
38	CS038	Design & Analysis of Screw Engine
39	CS039	Design & analysis of composite gear wheel

40	CS040	Design and Analysis of Dumped Body
41	CS041	Design and analysis of connecting rod using Aluminum alloy 7068 t6, t6511
42	CS042	Finite element analysis and optimization of piston using CAE tools
43	CS043	Analysis of Composite material For Al -Magnesium Analysis
44	CS044	FEM analysis of dynamic flexural behavior of composite sandwich beams with foam core.
45	CS045	Design and Analysis of Connecting Rod Using Al-Sic.
46	CS046	Experiment In Laser Cutting Machining In Aluminums Silicon Composite Material.
47	CS047	Design Analysis of a Circular and Square Shaped Piston Head.
48	CS048	Analysis of connecting rod using composite material.
49	CS049	Design and analysis of cam shaft.
50	CS050	Analysis of Impeller using Aluminum Composite
51	CS051	Design & Analysis of Auto Tilting Mechanism in CAR
52	CS052	Design, modeling and analysis of a 3 stage Epicyclic planetary reduction gear unit of a flight vehicle
53	CS053	Finite element analysis of normal and vented disc brake rotor
54	CS054	Design and analysis of rocker arm using composite material
55	CS055	Design and analysis of composite over bridge coupling
56	CS056	Modeling and Analysis of drum brake
57	CS057	Analysis of adhesively bonded single lap riveted joint using ANSYS
58	CS058	Finite element analysis and natural frequency optimization of engine bracket
59	CS059	Analysis of helical coil compression spring for three wheeler automotive front suspension
60	CS060	Fatigue analysis of aluminum alloy wheel under radial load
61	CS061	Static and vibration analysis of shock absorber.
62	CS062	Experimental Investigation and Analysis of Piston by Using Hybrid Metal Matrix.
63	CS063	Design and Analysis of Sports Utility Vehicles Chassis and Its Passenger Cabin Cavity.
64	CS064	Finite element analysis of optimized compound cylinder.
65	CS065	Finite Element Analysis of Knuckle Joint Pin.
66	CS066	Vibration analysis of engine mounting bracket.
67	CS067	Single Acting Piston Pump Using Oscillating Motion.
68	CS068	Modeling and Analysis of Water Tank Stand.
69	CS069	Finite Element Analysis of Nozzle for Vertical Pressure Vessel.
70	CS070	Design and Analysis of a Pushrod Suspension System for a Formula Racing Car.
71	CS071	Design and Optimization of Scissor Jack.
72	CS072	Design and Analysis of Side Plate of Hydraulic Press Brake Using Ansys.
73	CS073	Modeling and Stress Analysis of Composite Material for Spur Gear under Static Loading Condition.
74	CS074	Analysis of manual bending condenser tube.
75	CS075	Design and Analysis of connecting rod using different materials.
76	CS076	Static and dynamic analysis of spur gear using different non-metallic materials.
77	CS077	Analysis of piston using AL-SIC-TiB2 Metal matrix composite.
78	CS078	Analysis of Graphite Rein Forced Aluminum Piston.
79	CS079	Analysis of Spur Gear -Al-Si-Sic-Mg.
80	CS080	Experiment In Laser Cutting Machining In Aluminum Silicon Composite Material.
81	CS081	Analysis of Electro Mechanical Ladder.
82	CS082	Structural Analysis of Leaf Spring Using Composite Material.
83	CS083	Analysis of crane hook with different cross section.

84	CS084	Structural Analysis of Automotive Chassis Frame and Design Modification for Weight Reduction.
85	CS085	Structural Analysis of Steering Yoke of an Automobile.
86	CS086	Structural Analysis of Car alloy wheel using Aluminum and magnesium Alloys.
87	CS087	Vibration and Crash Analysis of Car Body Using ANSYS.
88	CS088	Design and Structural Analysis of Heavy Duty Vehicle Front Axle.
89	CS089	Static and Dynamic Analysis of Composite Rotor Blade.
90	CS090	Thermal & Static Analysis on an Engine Piston Using FEA.
91	CS091	Design & Analysis of Support Platform for small form factor PC in ruggedness testing environment
92	CS092	Analysis of Noise Reduction in Rotor Blade by Using Composite Material
93	CS093	Modeling and Analysis of Screw Engine
94	CS094	Stress Analysis of Washing Machine Drum
95	CS095	3d thermal analysis of liquid propellant rocket with bell nozzle
96	CS096	Modeling & Structural Analysis of Piston by using Mg-SiC
97	CS097	Modeling, Analysis of Tri Axial Tipper (different angle)
98	CS098	Design & Analysis of Poppet valve using composite
99	CS099	Failure Analysis and optimization of Planer machine horizontal Mechanism
100	CS100	Design and Analysis of Industrial Pneumatic Trolley
101	CS101	Design and finite element analysis of scissor lift using ANSYS
102	CS102	Material optimization analysis of leaf spring using ANSYS.
103	CS103	Increasing the operating life of two wheeler suspension using ANSYS.
104	CS104	Finite Element Analysis of connecting rod using material and structural parametric condition.
105	CS105	Structural and Thermal analysis of Disk Brake rotor disk.
106	CS106	Heat Insulation Analysis of an Aluminum Honeycomb Sandwich Structure.
107	CS107	Finite Element Analysis of spur gear by varying material.
108	CS108	Structural and Material optimization of household chairs using ANSYS.
109	CS109	Design modification and justification of Propeller shaft using ANSYS.
110	CS110	Design and material optimization of leaf spring using FEA.
111	CS111	Material and shape optimization of crane hook using FEA.
112	CS112	Force Analysis of Metal Sheet in Bending Operation on Sheet Bending Machine.
113	CS113	Analysis of Roll Bending Of Half Ring of Gas Turbine.
114	CS114	Weight Reduction and Analysis of Trolley Axle Using Ansys
115	CS115	Design & Analysis of Connecting Rod using Aluminum silicon carbide
116	CS116	Design, Animation & Analysis of Agricultural Chipper
117	CS117	Design, Animation & Analysis of Hybrid Air Engine
118	CS118	Design and Analysis of Aluminum & Copper Connecting rod
119	CS119	Modeling & Analysis of Suspension Steering System
120	CS120	Design and Analysis of Piston by Composite Materials
121	CS121	Design, Animation & Analysis of Shredding, Chipping and Murching
122	CS122	Tribological analysis on Disc Brake Pad
123	CS123	Dynamic balancing of rotor
124	CS124	Design & Analysis of Piston by using Composite Materials Aluminum & magnesium
125	CS125	Modeling & Analysis of Motorized Screw Jack
126	CS126	Wear rate analysis of Nano coated cutting tools
127	CS127	Design & Analysis of Composite Leaf Spring

128	CS128	Design & Analysis of Vacuum Assisted Wall Climber
129	CS129	Design and analysis of three axis hydraulic modern trailer
130	CS130	Design and analysis of helical spring with shock absorber
131	CS131	Modeling and analysis of automobile chassis brackets
132	CS132	Design and analysis of disappearing car door
133	CS133	Design and analysis of wind car
134	CS134	Modeling and analysis of bicycle frame
135	CS135	Studies on Friction Stir Welding AA2024 & AA6061
136	CS136	Stress analysis of mechanisms for trolley-cum-wheelchair
137	CS137	Stress analysis of seat backrest of car
138	CS138	Modeling and squeal analysis of brake disc rotor using ANSYS
139	CS139	Design and analysis of composite brake pedal: an ergonomic approach
140	CS140	Thermal Analysis on Composite Materials
141	CS141	Modeling & Analysis Solar Assisted Air Dryer
142	CS142	Analysis of Electricity production mechanical system
143	CS143	Analysis of Eddy Current Braking
144	CS144	Performance of FEA Analysis and Comparison between Bonded, Riveted & Hybrid Joint
145	CS145	Vertical material handling system
146	CS146	Selection and analysis of the landing gear for unmanned aerial vehicle for SAE aero design series
147	CS147	Structural analysis of an exhaust manifold of a multi cylinder engine
148	CS148	Analysis of a thin and thick walled pressure vessel for different materials
149	CS149	Vibration analysis of leaf spring
150	CS150	Design and analysis of composite helical gear
151	CS151	Analysis of windmill blade by using composite material
152	CS152	Analysis of triangular air compressor with common combustion chamber
153	CS153	Transient analysis of disk brake by using ANSYS software
154	CS154	Impact Analysis on Front Sub Frame System Using Composite Material
155	CS155	Design and analysis of automobile frame
156	CS156	Finite element analysis of the classic bicycle wheel
157	CS157	Design & Analysis of Quick Lifting Jack with Gear Arrangement
158	CS158	Study and analysis of aircraft fuselage body structure by using composite material
159	CS159	Design & Analysis of Reverse Differential Locking System
160	CS160	Modeling and simulation of single arm robot
161	CS161	Design and analysis of I.C engine piston and piston-ring using CATIA and ANSYS software