

A SAILING MECHANICAL BOAT FOR THE CHILDREN

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ABSTRACT

“A sailing mechanical boat” in the project title refers to the motion which reciprocates a see-saw. Basically a boat for the children’s playground has been made. This boat is made of galvanized metal plate and it reciprocates the motion of a see-saw expect that this is powered by an electric motor, which means no physical power is required. It is being supported by two springs which are attached to the base of the boat. The boat is strong enough to carry two children weighing ten kilograms each.

A motor is connected to a gear box to reduce its speed in revolutions per minute (rpm). The gear is than connected to the boat from its base using a steel shaft. A washing machine motor of 2000W, 220V, 50Hz, 1000RPM is being used to power the boat. By just switching on the motor the boat will move the see-saw manner.