VISHVESHWARAYA TECHNOLOGICAL UNIVERSITY

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PASSENGER ALIGHTING SYSTEM FROM MOVING TRAIN

A Project Report

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ABSTRACT

Aim of the project to fabricate a track on which a Engine is moving pulling a bogie. To fabricate the pallet Mechanism which drives the pallet in the reverse direction when the Train is moving in the forward direction at the particular speed. To Design and fabricate the pallet mechanism engaging, motorized when Desired. Working principle- In this we are providing a engine with motor, gearbox, axle, wheels And bearing and bearing housing and dc batteries for the drive. The Engine can be started by putting the button on. The engine is attached by a bogie(in this model we are making only one bogie of long length instead of many bogies which is linked between each other)and the chain is fixed from first door to the last door of the last bogie, and on this chain is the pallet mechanism which starts moving back due to the rotation in reverse direction relative to the train direction. The track is made on which the engine along with the bogies are moving.

In this during the movement the passenger can get down from the train without stopping the train in every station avoiding the fuel and time wastage. This is a mechanical system which can be implemented actually. Here in this we are providing 14 feet length track detachable by nut and bolts, small size lengths, a engine and a bogie and actually showing the pallet movement and train movement and platform to show the actual working.