**59. Design Heavy vehicle truck chassis**

Abstract– Truck chassis is the structural backbone of any vehicle. The main function of the truck chassis is to carry the goods and payload placed upon it. The chassis frame has to bear the stresses developed and deformation occurs in it and that should be within a limit. This paper presents the study of the stress developed in chassis as well as deformation of chassis frame. The stress and deformation has been calculated for the chassis frame and the analysis has been done for the validation on the chassis frame. The model of the chassis has been developed in Solid works2016 and static structural analysis has been done in ANSYS WORKBENCH 15.0.