



**ROOF CRUSH SIMULATION OF PASSENGER  
CAR FOR IMPROVING OCCUPANT SAFETY**



**PROJECT REPORT**

*Submitted by*

**BALAMANIKANDAN A (18304001)**

*in partial fulfillment for the award of the degree of*

**MASTER OF ENGINEERING**

*in*

**ENGINEERING DESIGN**

**PAAVAI ENGINEERING COLLEGE, NAMAKKAL.**

**(AUTONOMOUS)**

**MAY 2020**



**ROOF CRUSH SIMULATION OF  
PASSENGER CAR FOR IMPROVING  
OCCUPANT SAFTY**



**A PROJECT PHASE - I REPORT**

*Submitted by*

**BALAMANIKANDAN A (18304001)**

*in partial fulfillment for the award of the degree of*

**MASTER OF ENGINEERING**

*in*

**ENGINEERING DESIGN**

**PAAVAIENGINEERING COLLEGE, NAMAKKAL.**

**(AUTONOMOUS)**

**DECEMBER 2019**