



**EXPERIMENTAL INVESTIGATIONS ON CRASHWORTHINESS  
PERFORMANCE OF THIN-WALLED TUBULAR STRUCTURES  
UNDER QUASI STATIC AXIAL LOADING CONDITION**

**A PROJECT REPORT**

*Submitted by*

<b>ANUMADHUBALA R</b>	<b>(922119114002)</b>
<b>MOHAMED JAWITH ANWAR J</b>	<b>(922119114019)</b>
<b>NAVEEN KUMAR V</b>	<b>(922119114022)</b>

*in partial fulfillment for the award of the degree*

*of*

**BACHELOR OF ENGINEERING**

*in*

**MECHANICAL ENGINEERING**

**SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY,  
DINDIGUL – 624 002**

**ANNA UNIVERSITY::CHENNAI 600 025**

**MAY 2023**




**DR. S. SENTHIL KUMAR, M.E., Ph.D., (P&S)**  
Principal  
SSM Institute of Engineering and Technology  
Kottaiappatti Village, Sindalagunda (P),  
Palani Road, Dindigul - 624 002


# BONAFIDE CERTIFICATE


Certified that this project report "EXPERIMENTAL INVESTIGATIONS ON CRASHWORTHINESS PERFORMANCE OF THIN-WALLED TUBULAR STRUCTURES UNDER QUASI STATIC AXIAL LOADING CONDITION" is the bonafide work of "ANUMADHUBALA (922119114002), MOHAMED WITH ANWAR J (922119114019), NAVEEN KUMAR V (922119114022)" Who carried out the project work under my supervision.

  
SIGNATURE  
Mr. G. Sankaranarayanan, M.E., Ph.D.,  
HEAD OF THE DEPARTMENT  
Professor  
Department of Mechanical Engineering  
SSM Institute of Engineering and  
Technology.  
Dindigul-624002


  
SIGNATURE  
Mr. M. Prabakaran, M.E.,  
SUPERVISOR  
Assistant Professor  
Department of Mechanical Engineering  
SSM Institute of Engineering and  
Technology.  
Dindigul-624002

in viva voce held on 18.05.2023

  
EXTERNAL EXAMINER

  
EXTERNAL EXAMINER



  
Dr. D. SENTHIL KUMAR, M.E., Ph.D., (NUS)  
Professor  
SSM Institute of Engineering and Technology  
Dindigul-624002