



**68<sup>th</sup> Conference of  
Indian Society of Theoretical and Applied Mechanics  
(ISTAM)**

**07-09 December 2023**

**Organized By**

**NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL**



**CERTIFICATE**

This is to certify that the paper entitled **“Effect of Non-Fully Developed Flow and Surface Roughness in an Elbow Pipe under the Indian NPP Flow Conditions (Paper id: PA0273)”** by T. Divya, H. P.Rani and K. Srikar Prabhas is presented by **T. DIVYA** for the **68<sup>th</sup> ISTAM-2023** held at **NIT Warangal** during **7-9<sup>th</sup> December 2023**.

A handwritten signature in blue ink, appearing to read "H. P. Rani".

**Prof. Hari Ponnammma Rani**  
Organizing Secretary, ISTAM-2023

A handwritten signature in blue ink, appearing to read "Dipak".

**Prof. Dipak Kumar Maiti**  
Secretary, ISTAM

A handwritten signature in green ink, appearing to read "I. S. Shivakumara".

**Prof. I. S. Shivakumara**  
President, ISTAM-2023