

## **Who does not know that ‘Rubber is Elastic’? But did I know all this....?? This experiment on Extension of a Rubber band was an Eyeopener! NAEST 2020**

**Sarmistha Sahu**

Local Coordinator, Centre 16, Karnataka and Puducherry  
National Anveshika Experimental Skill Test 2020.

*Received 7.11.21, Accepted 1.12.21*

**Problem Statement:** *A rubber band does not seem to follow Hooke's law as the extension in the length is not proportional to the load applied to pull it. Moreover, a rubber band can show different extensions for the same load depending on the history of loading. In this experiment, you will explore the behaviour of a rubber band under loading and unloading.*