

**CERTIFICATE**

This is to certify that the dissertation entitled “**Critical Phenomenon in Ternary or Quaternary Liquid Mixtures (Methyl Butane, Water, etc)**” submitted to the **Karpagam Academy of Higher Education**, in partial fulfilment of the requirements for the award of the Degree of **Master of Science in Physics** is a bonafide record of research work done by **Anju PB (18PHP005)** during the period from **2019 - 2020** of his study in the **Department of Physics** at Karpagam Academy of Higher Education, under my supervision and guidance and the project report has not formed the basis for the award of any Degree/Diploma/ Associate ship/ Fellowship or other similar title to any candidate of any University.

  
**Signature of Supervisor**

Dr. E. Siva Senthil  
Associate Professor

  
**Head of the Department**

Dr. E. Siva Senthil  
Associate Professor

Head of the Department  
Department of Physics  
Faculty of Arts, Science and Humanities  
Karpagam Academy of Higher Education  
Coimbatore – 641 021, Tamil Nadu, India.