

CERTIFICATE BY THE SUPERVISOR

This is to certify that, the thesis entitled "*Analytical aspects of soft set theory with different real life applications in different directions*", submitted by *Soumi Manna* to the *Vidyasagar University* for the award of the degree of **DOCTOR OF PHILOSOPHY (SCIENCE)** in *Applied Mathematics*, is a bona fide record of research work carried out by her under my guidance and supervision as per regulations of this University.

The results, embodied in this thesis, have not been submitted to any other University or Institution for the award of any degree or diploma.

In my opinion, this thesis contains standard requirements for the award of the degree of **DOCTOR OF PHILOSOPHY (SCIENCE)** in *Applied Mathematics*.

Shyamal Kr Mondal 04.11.2024
(Prof. Shyamal Kumar Mondal)

Department of Applied Mathematics with
Oceanology and Computer Programming
Vidyasagar University
Midnapore-721102,
West Bengal, INDIA

Professor and Head
Dept. of Applied Mathematics with
Oceanology & Computer Programming
VIDYASAGAR UNIVERSITY
Midnapore - 721102, W.B., India