## THESIS COMPLETION CERTIFICATE

This is to certify that the thesis on "Fire Safety Evaluation of Solar Photovoltaic Modules in Hydrocarbon Industry" by Anbu Vendan D Pandian, SAP ID# P500014102, in partial completion of the requirements for the award of the Degree of Doctor of Philosophy (Engineering) is an original work carried out by him under our joint supervision and guidance.

It is also certified that the work has not been submitted anywhere else for the award of any other diploma or degree of this or any other University.

INTERNAL GUIDE

DR.KAMAL BANSAL

DEAN, COES

UPES, INDIA

CO-GOLDA

DR. D. JOHN THRUVADIGAL

DEAN, SCIENCES

SRM UNIVERSITY, INDIA

EXTERNAL GUIDE

S. Salmel

DR. S.SAKTHIVEL

SENIOR TECHNOLOGIST

TATA CONSULTING ENGINEERS LTD, MUMBAI