



Annamalai University



Register No. **1216060017**

PROVISIONAL CERTIFICATE - Ph.D

This is to certify that **ARUNACHALAM A** has
 qualified himself/herself for the award of the Degree of
 Doctor of Philosophy in **PHYSICS** on
24/10/2016 and he/she having been certified by duly appointed
 examiners and approved by the Syndicate of the University.

TITLE OF THE THESIS:

**PREPARATION AND CHARACTERIZATION OF PURE AND DOPED TiO_2
 THIN FILMS USING SPRAY PYROLYSIS AND ITS APPLICATIONS IN DYE
 SENSITIZED SOLAR CELLS AND ANTIBACTERIAL ACTIVITY.**

Annamalainagar - 608 002

Date : **19/11/2016**



[Signature]
Controller of Examinations