



Reg.No.71050321030/RG



The Syndicate of the Anna University hereby makes known that **JAMES SELVA KUMAR M** has been admitted to the **DEGREE OF DOCTOR OF PHILOSOPHY** under the Faculty of Mechanical Engineering, having been certified by the duly appointed examiners to be qualified to receive the same in the year **2018**. The degree has been awarded in compliance with the "University Grants Commission, Regulations 2009".

Title of the Thesis:

STUDIES ON THE DIESEL ENGINE PERFORMANCE AND EMISSION REDUCTION USING BIO-DIESEL FROM GOAT AND SHEEP FATS

Given under the seal of the University



Chennai 600025

India

June 2018

PAT012186

[Signature]
Controller of Examinations

JAMES SELVA KUMAR M

[Signature]
Registrar

[Signature]
Vice-Chancellor