

VICTORIA UNIVERSITY

This is to certify that

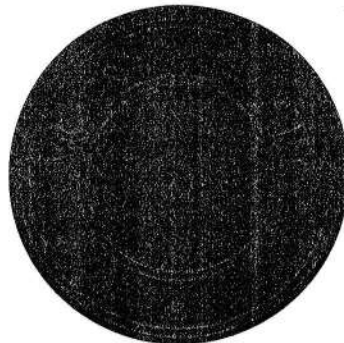
Soni John Thanikkal Kottayil

has fulfilled the requirements of the University
and admitted to the

Doctor of Philosophy

on the 22nd day of April in the year 2016

Given under the seal of Victoria University, Australia.



Peter Dawkins

Professor Peter Dawkins
Vice-Chancellor and President

George Pappas

Mr George Pappas
Chancellor