



APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY

(A State Government University)

Thiruvananthapuram, Kerala, India - 695 016

PROVISIONAL DEGREE CERTIFICATE

This is to certify that the candidate has provisionally qualified for the award of degree of Doctor of Philosophy of the University

Name : **SHAJAN S**
Register No : **D-TKM18JAN005**
Degree : **Ph. D.**
Date of Viva-voce Exam : **08/03/2023**
Title of thesis : **Numerical and Experimental Investigations on the Performance Improvements of Parabolic Trough Solar Thermal Collector for Medium Temperature Applications**

Place: **Thiruvananthapuram**

Date: **26/04/2023**

Dean (Research)

File No: **23/12/00012**

