



**APJ ABDUL KALAM TECHNOLOGICAL UNIVERSITY**  
**(A State Government University)**  
**Thiruvananthapuram, Kerala, India**

**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 : **PREM KUMAR J**  
Register No : **D-TVE16JUL001**  
Degree : **Ph. D.**  
Date of Viva-voce Exam : **25/08/2023**  
Title of thesis : **Tribological investigations on A356-SiCp functionally graded composite in unidirectional and reciprocating sliding modes**

**Place: Thiruvananthapuram**

**Date: 21/09/2023**

**Dean (Research)**

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