

ABUBAKAR TAFAWA BALEWA UNIVERSITY
BAUCHI, NIGERIA



No. 042069

This is to certify that

DUVUNA GIDEON AYUBA

*having completed an approved course of study and passed the
prescribed examinations, has this day, under the authority of the Senate,
been awarded the Degree of*

Doctor of Philosophy

Mechanical Engineering (Energy)



Vice-Chancellor

Date 9th May, 2019

Registrar