

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

SUPRIT NIJALINGAPPA MALAGI

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF MECHANICAL ENGINEERING SCIENCES

for the thesis entitled

CHARACTERIZATION OF WALNUT SHELL PARTICULATE
REINFORCED HDPE COMPOSITE FOR MECHANICAL BEHAVIOR

*in recognition of the fulfillment of requirements
for the said degree*

PH
23 01569

Given under the seal of the University

USN: 5VX15PMJ49

Date of Viva Voce : 19-Oct-2023

BELAGAVI

DATE : MARCH 07, 2024



VICE CHANCELLOR



ವಿಶ್ವವರಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ, ಬೆಳಗಾವಿ
VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA

PH
19 0317

Provisional Degree Certificate

This is to certify that Mr./Ms. KARTHIK A S

is qualified for the award of the degree of

DOCTOR OF PHILOSOPHY IN FACULTY OF MECHANICAL ENGINEERING SCIENCES W.E.F. 29.06.2022

*of this University for having fulfilled the requirements for the award
of the said Degree by submitting the thesis titled :*

EVALUATION AND COMPARISON OF MECHANICAL AND THERMAL PROPERTIES OF E-GLASS AND S-
GLASS EPOXY COMPOSITES FILLED WITH DIFFERENT MATERIALS.

with University Seat No. 5VX17PMS04

*The degree will be conferred on him / her at the next
convocation or thereafter,*

Belagavi

Date : 07-07-2022



Regy — *RE*
Registrar (Evaluation)

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI
KARNATAKA, INDIA



This is to certify that

MALLUR BASAVARAJ

has been conferred the Degree of

Doctor of Philosophy

in

FACULTY OF MECHANICAL ENGINEERING SCIENCES

for the thesis entitled

EFFECT OF NANOPARTICLES (NPS) REINFORCED PROTON CONDUCTING
NOVEL HYBRID MEMBRANES ON THE PERFORMANCE OF FUEL CELL
SYSTEMS

*in recognition of the fulfillment of requirements
for the said degree*

PH
23 00866

Given under the seal of the University

USN: 5VX13PMN27



BELAGAVI

DATE : FEBRUARY 24, 2023

VICE CHANCELLOR