

**MECHANICAL DESIGN AND FABRICATION OF
THREE-WHEEL ELECTRICAL VEHICLE (TWEV)**

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**BACHELOR OF ENGINEERING TECHNOLOGY
(MANUFACTURING) WITH HONS**

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MECHANICAL DESIGN, ANALYSIS AND FABRICATION OF THREE-WHEEL
ELECTRICAL VEHICLE (TWEV)

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Thesis submitted in fulfilment of the requirements
for the award of the degree of
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STATEMENT OF AWARD FOR DEGREE

1. **Bachelor of Engineering Technology**

This thesis submitted in fulfilment of the requirements for the award of the degree of Bachelor of Engineering Technology in Manufacturing.

SUPERVISOR'S DECLARATION

We hereby declare that we have checked this thesis and in our opinion, this thesis is adequate in terms of scope and quality for the award of degree of Bachelor of Engineering Technology in Manufacturing.

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries in which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree.

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LIST OF SYMBOLS

Cm	Centimeter
Kg m/s ²	Center of gravity
Kg	Kilogram
E _m	Elastic modulus
g	Gram
a	Acceleration
MPa	Megapascal
m	Meter
Mm	Millimeter

LIST OF ABBREVIATION

TWEV	Three-wheel electrical vehicle
EV	Electric vehicle
CG	Centre of gravity
FSAE	Formula society of automotive engineer
UWA	University of West Alabama
RMIT	Royal Melbourne Institute of Technology