

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELGAUM – 590014



Entitled

“AXIAL FLUX INNER PERMANENT MAGNET MOTOR”

SPONSERED BY

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Submitted in partial fulfillment of the requirements for the award of degree of

**BACHELOR OF ENGINEERING
IN
ELECTRICAL AND ELECTRONICS ENGINEERING**

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ABSTRACT

Now a day we need high torque motor with reduced size and speed, for the electrical vehicles and industrial applications. To make suitable for these applications we are designing Double sided Axial Flux Inner Permanent Magnet Motor (AFIR-S). This is suitable to build reliable, high - performance electrical motor at the lowest cost possible with reduced size. This project concentrates on axial-flux motor with one rotor – two stators configuration. An electrical machine equipped with two stators is capable of operating (with some precautions) even though one of its stators is electrically disconnected. Applicable to Low-speed high-torque motors.