

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belgaum-590014



A Project Report On THE FLYING QUAD COPTER

By

**JAYAN UJWAL MENEZES
(4DM10EE015)**

**JASWIN UDAYA MENEZES
(4DM10EE014)**

**JIMMICHAN MATHEW
(4DM08EE021)**

**ELDHOSE VARGHESE
(4DM08EE014)**

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MR. VINOD KUMAR B

Asst. Professor & HOD

Dept. of Electrical and Electronics Engineering,



DR. M.V. SHETTY INSTITUTE OF TECHNOLOGY

VIDYANAGAR, N. H. 13, THODAR, MOODBIDRI,

MANGALORE – 574225, KARNATAKA

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ABSTRACT

The goal of our project is to design and construct a Spy copter, quad-copter capable of Indoor-outdoor flight and hover with an onboard wireless camera used for remote surveillance and control. The flying quad copter can be controlled remotely to carry out a wide range of investigations in military operations

A quad-rotor helicopter is an aircraft whose lift is generated by four rotors. Control of such a craft is accomplished by varying the speeds of the four motors relative to each other. Uncontrolled flight of a quad-rotor would be virtually impossible by one operator, as the dynamics of such a system demand constant adjustment of four motors simultaneously. The operation, including take-off, hover, and landing capabilities, controlled remotely by an operator and let the view the by the camera.