

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

Jnana Sangama, Belgaum-590014



A Project Report on

“RC QUADCOPTER FOR REMOTE IMAGING”

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BACHELOR OF ENGINEERING

in

ELECTRONICS & COMMUNICATION ENGINEERING

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ABSTRACT

The purpose of this project is to create a quadcopter based on the Nuvoton transceivers. The project included building a frame, choosing motors, propellers. Unmanned Aerial Vehicles (UAVs) are predominantly used in military applications. The purpose of this project is to popularize the use of a Quadcopter in general every day application.

Our project has verified that it is possible to build a small-scale Quadcopter that could be used for both military and commercial use. Our most significant problems to date have been an ambitious development schedule coupled with very limited funds. These constraints have forced compromise in components selected and methods used for prototype development. Our team's Quadcopter prototype is a very limited version of what could be created in a production facility using more advanced technology.

Currently our Quadcopter has achieved only tethered flight because it cannot maintain a stable position when flying. Although there are many enhancements that we could do to the design, we have proven that it is possible to produce a small scale UAV that performs functions of interest to the military as well as commercial/industrial applications.