



JAIN
DEEMED-TO-BE UNIVERSITY

FACULTY OF
ENGINEERING
AND TECHNOLOGY

**School of Computer Science and Engineering
Department Information Science & Engineering**

Jain Global Campus, Kanakapura Taluk - 562112
Ramanagara District, Karnataka, India

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A Synopsis/Project Report on

“DAR – DEFENCE ADVANCE ROVER”

Submitted in partial fulfilment for the award of the degree of

**BACHELOR OF TECHNOLOGY
IN
INFORMATION SCIENCE AND ENGINEERING**

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CERTIFICATE

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Signature of Students

ABSTRACT

A Rover is a IOT based robot that is basically designed to detect Landmines, Smoke, Fire, Alignment, Obstacles, Radar to detect Movement. In this research we prepare a Rover as a prototype of multi-functional robot and the purpose of it is to go to dangerous areas like collapsed places, areas attacked by terrorists to collect every possible data of the situation and send it via wireless communication system (Remotely), as well as manually for the further actions. The main phenomenon of this Rover is to help army by providing various information which usually is difficult and risky for a person to collect and send it to the control center. The whole system operates wirelessly and send each and every data to the control center through signals, and shows live video footage directly to the control center, even if the camera is damage the remaining sensors keeps providing the data.

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