GOVERNMENT POLYTECHNIC, PUNE

(An Autonomous Institute of Government of Maharashtra)

DEPARTMENT OF COMPUTER ENGINEERING

ACADEMIC YEAR 2019-20

PROJECT REPORT ON

"IOT BASED ROBOTIC UNMANNED GROUND VEHICLE MODEL"

SUBMITTED BY

1706004	**Shweta Balasaheb Aher**
1706025	**Aishwarya Anil Dhotre**
1706027	**Shweta Virbhadra Gabhane**
1706051	**Shubhangi Arjun Kedar**

UNDER THE GUIDANCE

OF

Prof. N.R.Wagh

(COMPUTER ENGINEERING DEPARTMENT)

GOVERNMENT POLYTECHNIC, PUNE

(An Autonomous Institute of Government of Maharashtra)

CERTIFICATE

This is to certify that

1706004	**Shweta Balasaheb Aher**
1706025	**Aishwarya Anil Dhotre**
1706027	**Shweta Virbhadra Gabhane**
1706051	**Shubhangi Arjun Kedar**

Of class Third Year (2019-20) have successfully completed project on **"IOT BASED ROBOTIC UNMANNED GROUND VEHICLE MODEL"** under the guidance of **"Mrs.N.R.Wagh"** in parallel fulfilment of requirement for the award of Diploma in Computer Engineering from Government Polytechnic, Pune.

DR.V.S.Bandal	**Prof. U. V. Kokate**	**Prof N. R. Wagh**
(Principal)	(Head of Department)	(Project Guide)

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Abstract

In present time sensory resources are used extensively to develop various autonomous applications. Multi-sensory networks produce large amounts of data that needs to be processed, delivered, and assessed according to the application objectives. Some fundamental problems are how to collect the sensory data and generate the inference parameter to take intelligent decisions for autonomous systems. There are some performance parameters which ought to consider while developing such applications or system, for example, reliability, computational time, accuracy and so on. Information fusion technique compute information gathered by multiple, and eventually heterogeneous sensors to generate inference not obtainable with single sensor.

This paper gives detail information about basic concepts of information fusion such as existing methodologies, Algorithms, architectures, models. In addition highlighted and described the methodology of proposed system with mathematical formation and analysis of unsupervised decision making is done by using probability and theory of computation concepts.

Index Terms- Information Fusion/ Sensor Fusion, Supervised And Unsupervised Learning, Machine Learning, Decision Making.