**A Value Addition Program – IOT using Raspberry Pi**

**Class: S.E. (Electronics and telecommunication)**

**VAP Dates: 30/07/2018 to 04/08/2018**

**Co-ordinator: Prof. Manohar Buktare**

**PROJECT REPORT**

**ON**

**PROJECT NAME**

Object Tracking Robot

**(PROMETHUES)**

**SUBMITTED TO**

Vishwaniketan's Institute of Management Entrepreneurship and Engineering Technology

Kumbhivali, Tal- Khalapur, Raigad, Maharashtra 410202

**BY**

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**UNDER THE GUIDANCE OF**

**Mr. Rohit Kumar**

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Vishwaniketan's Institute of Management Entrepreneurship and Engineering Technology

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This is to certify that Dissertation report entitled,

**Object Tracking Robot**

Submitted By

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is a bonafide work carried out by them under the supervision of Prof. Manohar Buktare and it is submitted towards the partial fulfillment of the requirement of **VAP Project.**

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**Place:** Kumbhivali

**Date: 20/04/2019**

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| Place: **Kumbhivali** |  |

**List of Abbreviations**

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| **Abbreviation** | **Details** |
| **CV** | Computer Vision |
| **ML** | Machine Learning |
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**Abstract**

The field of Robotics, Artificial Intelligence and Machine Learning is evolving rapidly that it is sure to change the lifestyle of mankind in near future. [Robots](https://circuitdigest.com/robotics-projects) are thought to understand and interact with the real world through sensors and machine learning processing. Image recognition is one of the popular way in which the robots are thought to understand objects by looking at the real world through a camera just like we do. In this project, we use the **Raspberry Pi to build a Robot that would Track a Ball/Object.**