**COVER LETTER**

To,

The Head of Department

Department of Electronics and Computer Engineering,

Pulchowk Campus, IOE

Pulchowk, Lalitpur

Dear Sir,

We the students of Electronics and Communication Engineering intend to develop a Speech Controlled Robot Car for our Minor Project.

Our project intends to process the audio speech command given by the user in order to control the movement of a Robot Car. The entire project would be carried out in the Raspberry PI 3. As user provides the command input via the microphone attached to the PI module, the car is expected to move in accordance to the input.

Please review the proposal attached and we are eagerly anticipating your approval and necessary arrangements.

Sincerely yours,

Aayush Kafle

Amir Rimal

Arun Tamang

Pankaj Dhakal

**ABSTRACT**

This project aims to develop a speech processing engine using machine learning approach which can be useful in controlling the electrical devices such as a Robot Car. The various instructions given to a Robot Car might be “START”, “STOP”, “LEFT”, “RIGHT”, etc. The speech processing can be performed in a Raspberry PI and the same PI can be used to drive the motors of the Car. Upon the completion of the project we expect it to response in accordance to some simple commands as stated above.

**TABLE OF CONTENTS**

ABSTRACT

INTRODUCTION

1. Background
2. Scope
3. Objectives

PROCEDURE

1. Approach
2. Gantt Chart
3. Cost Estimation
4. Design

EXPECTED OUTCOME

CONCLUSIONS

REFERENCES