# A

**Project Report On**

**‘Text-To-Speech using Node-red, NodeJs’**

### In partial fulfillment of requirements for the TAE Mini-modelling

In

Electronics & Telecommunication Engineering.

TAE: 03

**SUBMITTED BY:**

1. **Pranay Rathi.(BECA40)**
2. **Akshay Rangari(BECA39)**
3. **Vivek Patil(BECA37).**

### Under the Guidance of

### Dr. Vaishali Raut



**DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING**

**G.H. Raisoni College of Engineering & Management, Pune**

**Academic Year 2019-20**



**G.H. Raisoni College of Engineering and Management, Wagholi, Pune**

**CERTIFICATE**

This is certified that Mr. Pranay Rathi has successfully completed Project work entitled Text-To-Speech using Node-red, NodeJs in partial fulfillment of the requirement for the mini modelling.

The matter embodied in this Project Report is a record of his own independent work carried out by him under my supervision and guidance. The matter embodied in this report has not been submitted for any award of any Degree or Diploma.

|  |  |  |
| --- | --- | --- |
| **Dr. Vaishali Raut** | **Prof. S. K. Waghmare** | **Dr. S. N. Mali** |
| **Project Guide** | **HOD, E&TC** | **Director** |



 **College of Engineering and Management, Wagholi, Pune**

**CERTIFICATE**

This is certified that Mr. Akshay Rangari has successfully completed Project work entitled Text-To-Speech using Node-red, NodeJs in partial fulfillment of the requirement for the Mini modelling.

The matter embodied in this Project Report is a record of his own independent work carried out by him under my supervision and guidance. The matter embodied in this report has not been submitted for any award of any Degree or Diploma.

|  |  |  |
| --- | --- | --- |
| **Dr. Vaishali Raut** | **Prof. S. K. Waghmare** | **Dr. S. N. Mali** |
| **Project Guide** | **HOD, E&TC** | **Director** |





**College of Engineering and Management, Wagholi, Pune**

**CERTIFICATE**

This is certified that Mr. Vivek Patil has successfully completed Project work entitled Text-To-Speech using Node-red, NodeJs in partial fulfillment of the requirement for the mini modelling.

The matter embodied in this Project Report is a record of his own independent work carried out by him under my supervision and guidance. The matter embodied in this report has not been submitted for any award of any Degree or Diploma.

|  |  |  |
| --- | --- | --- |
| **Dr. Vaishali Raut** | **Prof. S. K. Waghmare** | **Dr. S. N. Mali** |
| **Project Guide** | **HOD, E&TC** | **Director** |



**ABSTRACT**

Most of the information in world of computer is accessible to a few who can read or understand a particular language. But it could be very much helpful for the common man if the computer talks to him in his language. Text-To-Speech (TTS) is a technology that converts a written text into human understandable voice. A TTS synthesizer is a computer based system that can be able to read any text aloud that is given through standard input devices.

Node-RED is a programming tool for wiring together hardware devices, APIs and online services in new and interesting ways.

It provides a browser-based editor that makes it easy to wire together flows using the wide range of nodes in the palette that can be deployed to its runtime in a single-click. Node-RED is open source and was originally created by the IBM Emerging Technology organization. It is included in IBM’s Bluemix (a Platform-as-a-Service or PaaS) IoT starter application package. Node-RED can also be deployed separately using the Node.js application. At present, Node-RED is a JS Foundation project*.*

**CONTENTS**

* **INTRODUCTION**
* **SYSTEM DEVELOPMENT.**
* **BENEFITS OF TEXT-TO-SPEECH**
* **RESULTS AND DISCUSSIONS**
* **CONCLUSIONS**
* **REFERENCES**

**ACKNOWLEDGEMENT**

We would like to express our deepest appreciation to all those who provided us the possibility to complete this report. We take this opportunity to express our profound gratitude and deep regard to our guide **Dr. Vaishali Raut** for her exemplary guidance, monitoring and constant encouragement throughout the course of this project.

We would like to express our gratitude towards member of our Department for their kind co-operation and encouragement which help us in completion of this project. We would like to express our special gratitude and thanks to industry persons for giving us such attention and time.

Our thanks and appreciations also go to our colleagues in developing the project and people who have willingly helped us out with their abilities.

## 