



**PES UNIVERSITY**

(Established under Karnataka Act No. 16 of 2013)  
100-ft Ring Road, Bengaluru – 560 085, Karnataka, India

*Report on*

**‘Data Transmission using Ultrasonic Sound’**

*Submitted by*

**Shreyas R(PES1201701714)**

**Praphul Gowda(PES1201700237)**

**Karthik K Bhat(PES1201701499)**

**Jan. - April 2019**

**under the guidance of**

**Dr. Anuradha M**

**Professor and Chairperson**

**Department of ECE**

**PES University**

**Bengaluru -560085**



## CERTIFICATE

*This is to certify that the Report entitled*

**‘Data Transmission using Ultrasonic Sound’**

*is a bonafide work carried out by*

**Shreyas R(PES1201701714)**

**Praphul Gowda(PES1201700237)**

**Karthik K Bhat(PES1201701499)**

In partial fulfillment for the completion of IV semester course work in the Program of Study B.Tech in Electronics and Communication Engineering under rules and regulations of PES University, Bengaluru during the period Jan – Apr. 2019. It is certified that all corrections/suggestions indicated for internal assessment have been incorporated in the report. The report has been approved as it satisfies the 4<sup>th</sup> semester academic requirements in respect of project work.

*Signature with date & Seal*

*Internal Guide*

*Signature with date & Seal*

*Chairperson*

*Name/s of the student/s*     **Shreyas R(PES1201701714)**

**Praphul Gowda(PES1201700237)**

**Karthik K Bhat(PES1201701499)**

Name of the examiners:

- 1.
- 2.

## **DECLARATION**

I, **Shreyas R, Praphul Gowda, Karthik K Bhat**, hereby declare that the report entitled, '***Data transmission using ultrasonic sound***', is an original work done by us under the guidance of **Dr.Anuradha.M**, Professor and Chairperson, Department of ECE, and is being submitted in partial fulfillment of the requirements for completion of 4<sup>th</sup> Semester 2 credit Course / Mini Project in the Program of Study B.Tech in Electronics and Communication Engineering.

**PLACE: BANGALORE**

**DATE: 27-04-2019**

**NAME AND SIGNATURE OF THE CANDIDATES**