



**DEPARTMENT OF MECHANICAL ENGINEERING**  
**BHARATH INSTITUTE OF HIGHER EDUCATION AND RESEARCH**  
**DECEMBER 2019**

**BONAFIDE CERTIFICATE**

This to certify that this project entitled “ STATE ESTIMATION ON MATRIX LIE GROUPS ” is the bona-fide work of “SHERIN T MAMMEN(U16ME033), SHEIK SYBUDEEN M(U16ME034), PARTHAN V(U16ME035), SOURABH YADAV(U16ME036) ” who carried out the project work under our supervision.

27.12.2019

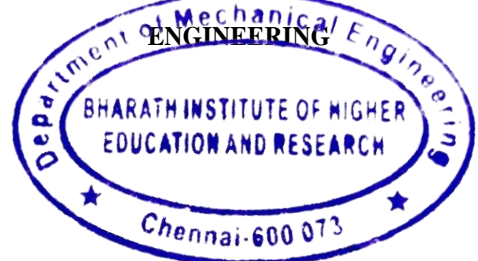
Date of project work viva voice examination on \_\_\_\_\_

**Mr. R. Hariharan**

ASSISTANT PROFESSOR  
PROJECT GUIDE

**Dr. K. Balasubramaniyan**

PROFESSOR AND HEAD  
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**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**