

# Disease Biomarker Identification for Esophageal Squamous Cell Carcinoma using Gene Expression Data Analysis

*A thesis submitted in partial fulfilment of the requirements for the degree of*  
**Doctor of Philosophy**

by

**Pallabi Patowary**

Enrollment No. CSP17109

Registration No. TZ166819 of 2016



**Department of Computer Science and Engineering**

**School of Engineering, Tezpur University**

**Tezpur, Assam, India - 784028**

**July, 2023**