

Modeling and positioning of reference electrode in Ion Sensitive Field Effect Transistor (ISFET) and development of a Schottky Enzyme Field Effect Transistor (ENFET) for hydrocarbon detection

A thesis submitted in part fulfillment
of the requirements for the degree of
Doctor of Philosophy

Ms. Chinmayee Hazarika

Enrolment No: ELP13002

Registration No: TZ110316 of 2011



School of Engineering

Department of Electronics and Communication Engineering

Tezpur University, Napaam, Tezpur

April, 2018

**This thesis is dedicated to my beloved
family – Deuta, Maa and Bhaity**
