

**Theoretical and phenomenological consequences of
neutrino mass, leptogenesis and dark matter within
Beyond Standard Model (BSM)**

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

by
LAVINA SARMA
Registration No. - TZ203829



Department of Physics
School of Sciences
Tezpur University, Tezpur-784028
Assam, India

September, 2022