Energy, Exergy, Exergoeconomic and Environmental (4E) analyses and Multi-objective Optimization of four Gas Turbine based Trigeneration systems

A Thesis Submitted in Partial Fulfillment of the Degree of

Doctor of Philosophy

Joy Nondy Registration No.TZ168297 Roll No. MEP18102



DEPARTMENT OF MECHANICAL ENGINEERING SCHOOL OF ENGINEERING TEZPUR UNIVERSITY TEZPUR-784 028, ASSAM, INDIA January, 2023