Summary of the Thesis

In the present situation Global Warming is costing a ton of cash, so Green Environmentalist expects to advance strategy and business that works for the earth. As we know, carbon dioxide, the most vital ozone depleting substance created by burning of fuels, has turned into a reason for worldwide frenzy as its focus in the Earth's environment has been enormously rising alarmingly. This has made an open door for the exchange of carbon credits both inside and outside of the directed region, in this way making a worldwide "carbon trading. In this arrangement of carbon exchanging, controls are forced on Green House Gas (GHG) discharges under the Kyoto Protocol, Clean Development Mechanism (CDM) project and the pre-chosen emanation limits are then allotted crosswise over nations, which need to control the ozone depleting substance outflows from the different businesses and business units working inside them. The aim of the thesis is to talk about the fundamental ideas and significance of carbon credit. It additionally stresses on the techniques used to spare the earth. This thesis likewise examines the business openings in the worldwide outflows trading in Indian setting.

Chapter outline:

This thesis contains six chapters excluding bibliography. The thesis is specifically divided in to six chapters including in-depth literature review and in-depth research analysis. Chapter 1 describes the background of research with need for the study. It also explains introduction to carbon Trading, describing the relation between challenges and opportunities of carbon trading for sugar industries in Western Maharashtra. Global warming is increasing the average temperature of earth’s surface due to increasing
concentration of CO$_2$ in the atmosphere. Increasing greenhouse gas emission in the atmosphere is leading to global warming. Global warming is the increase in the average temperature of Earth's near-surface, air and oceans. Change in land, converting forests to urban centers (deforestation), has altered the climate system, variation in solar output (from the sun) and CO$_2$ emitted by volcanic eruption has also led to increase in CO$_2$ concentration in the atmosphere outcome. United Nations Framework Convention on Climate Change (UNFCCC) has taken various steps towards drafting and implementation of the Kyoto Protocol Kyoto. To fight climate change, Kyoto Protocol was formed under the UNFCCC with an objective to reduce carbon emission globally. Three mechanisms were adopted to reduce emissions initiative 1) Clean Development Mechanism (CDM) 2) Joint Implementation 3) International Emission Trading,

**Chapter 2** the background of the review of literature is discussed in this chapter, the experts' opinion and their research work also discussed. A literature review is a search and evaluation of the available literature in your given subject or chosen topic area. It documents the state of the art with respect to the subject or topic you are writing about. Data for review of literature taken from articles, researcher articles, government and private organizations report etc. The review of literature are subdivided into global warming and GHG emissions, Kyoto protocol and Clean Development Mechanism (CDM), legal aspect carbon trading, credit market of carbon in India and other countries.

**Chapter 3** this chapter is emphasized on sugar industries from India and sugar industries from Western Maharashtra. The profile of the major cooperative sugar industries in western
Maharashtra is described and also focused on the availed opportunities and challenges for sugar industries in western Maharashtra in carbon market.

**Chapter 4** starts with an overview of research methods, Aim and objectives of the research work, scope of the research work. Hence, this chapter explains the method for collecting data used to test the hypothesis, data screening techniques used to ensure the validity and reliability of data sampled. Finally, construction of research model and hypothesis based on the previous research presented in literature review are also highlighted.

**Chapter 5** represents the data analysis, about the Kyoto protocol, Paris agreement, carbon market with Indian context, features of carbon market, national and international carbon market, mechanism of carbon trading and ‘Data Analysis and Interpretation’ with the experimental result of the survey, testing of defined hypothesis, and overall analysis of the research. The result of statistical analysis, which contains regression analysis, Z-test and Chi square test are also present in this chapter.

**Chapter 6** this chapter presents with findings, recommendations and conclusion. Empirical findings are summarized along with limitations and future recommendation of the study of the topic. Bibliography, References and Appendixes are provided at the end of this thesis.