

Green aviation

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University of
Management *and*
Technology

A Research Project

Submitted to Department of Leather AVIATION

University of Management & Technology

2017





Preface

Firstly, I would like to thanks ALLAH Almighty, the only creator of this whole universe. To whom all the praises are. He is the one who save us from the dark and shed his mercy upon us. Secondly, I thank to our last Prophet Hazrat Muhammad (S.A.W) who gave us the practical code of life to live.

I really fortunate that I had the kind association as well as supervision of Mr.Nawaz Gill. Moreover, I thank from the core of my heart to my Father Mr. Umer Hayat and my beloved sister Ms. Rabia who gave me the courage to face the challenges and guided me to the right path. At the end, I want to thanks my best friend Mr. Hussnain Munir without which I was not able to complete my thesis.



Dedication

I wanted to devote my thesis to

MR. and MRS. Munir

who supported me from the core of his heart.

Mr. Rukhsana Sharif

who prayed for my better future

Ayza Fahad

who assist me in tough situations.

Sania Iftikhar

And

Khizra Tanveer

*who remained with me throughout my studies and help me where I
needed.*



Declaration

I hereby affirm that the concluding project recognized as “Green Aviation” yield to to the University of Management of Technology, Lahore is a record of novel effort done by myself under the kind assistance of Sir. Nawaz Gill and this task is yield to in the partial fulfillment of requirements for the award of degree BS. Aviation Management. The results epitomize in this project have not been submitted o any other institute to the award of any degree or diploma.

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Abstract

Allah has created all the things in this beautiful universe that is helpful for us. He has created air for us to breathe in clean environment; create sound waves to listen, land to eat, walk and use other beneficial things in it necessary for us, made seas and rivers to drink pure water and created sun and moon to see according to the time zone. But man has polluted everything that nature gave to us in pure form just for his own concern.

Furthermore, damage to the environment caused serious issue on the health and life cycles of living things. Back years ago, people pass away with natural death but now, people died of cancer, heat stroke, heart attack, typhoid and many other diseases. A man walking on the road suddenly died or a man sit in his room died what is the matter? The main cause is environmental change, disturbance in lives and stress factors.

The purpose of writing this thesis work is to give awareness and knowledge to a lay man that how he can improve the environment by himself instead of blaming industries or government of doing nothing. Because

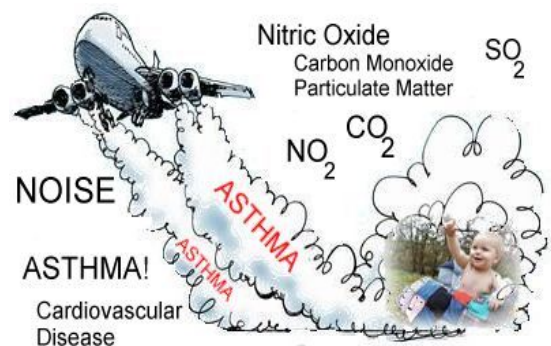
“DROP DROP MAKES OCEAN”.



Background:

Before the industrial revolution in England there was no concept of pollution but with the advancement of technology and machinery, pollution is getting bad and worst day by day. There are different types of pollution we are facing today such as water pollution, land pollution, noise pollution and air pollution. There are a lot of industries who are the major contributors of this drastic environmental pollution.

Talking about the aviation industry, it is obliged for **12%** emissions of pollutants like carbon dioxide from all the transport means. However, it has also raised the level of all mentioned above pollutions. The enhancement of air travel and commercialization made the air smoky, smoggy and unclear. Noise pollution creates with aero plane's aerodynamics, its engines etc. In past, the noisiest aircraft was banned to minimize the noise pollution and so on.



{Fig: 1}



Introduction:

Living in this modern era of technology which based on day to day advancement, our lives become more and more complex. Lots of pressure of work and where time is money, people are travelling more as compared to two decades before. Just for the sake of profit industrialists are neglecting the environmental changes occur due to their business activities. Aviation industry is itself a massive industry. Behind a single flight there are hundreds of operations take place like checking, ticketing, boarding's, turn around, take offs, landings, ground handling activities, de-icing, and maintenance etc. It has been forecasted that air travel is expected to grow about **5% per annum**. In USA, the frequency of air traffic is exactly the same as the frequency of road traffic. The airspace is very congested in such dense areas of traffic. More traffic, more operations, more usage of scarce resource causes more pollution.

