

Controversies among Aviation Pioneers



FLIGHT PAST:

Controversies among aviation pioneers

By

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A Dissertation

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Department of Institute of Aviation Studies

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Preface

This reviewed version of the research venture “Controversies among Aviation Pioneers” is undertaken as a part of BS Aviation Management in last semester as a final year research project curriculum at University of Management and Technology, Lahore.

I am just glad to dedicate this research project to Sir Kaleem Ur Rehman, a project Supervisor who contributed equally to the research and without his acquaintance and assistance, it can't be accomplished competently.

The foremost problem that I confronted during this research project was that there was not abundant data available on controversies among aviation pioneers because a topic is exceptional in its own way. The research focus on a few important aspects as well that bought the aviation to a completely new era and rehabilitated the dynamic of the aeronautical encroachments with major milestones achieved.

However, the present is not free of precincts. There might have some problem concerning dearth of limitation in some phases and also some trivial mistakes such as typing mistakes. These few hitches are the upshot of shortage of time and a unique and restricted topic. However, I tried my level preeminent to keep the project free from inaccuracies. I apologize if any of the error transpires in the project which was not intentionally made. If the research project can help anyone to enhance his/her knowledge and information, I will feel that the purpose of my efforts has been achieved. Please feel free to contact me if having any queries.

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Abstract

A viation was a dream: A dream and feelings of human that are the stimulus effect of the nature like bird flying which forces them to ponder that how man can soar into the air. And that has been diffused into their culture and portrayed through the myth and stories of the time which imitates the yearning of human to reach the air and that craving was so passionate and concentrated that they had fantasies the stories of man with wing flying in the air and how the objects can be premeditated that can take a person in the air. All those fabricated stories somehow delivered the idea of wings and flying crafts.

The main ambition of this practicum is to research on the controversies among aviation pioneers and their exertions and influences in the field with special interaction between Aviation Pioneers of the ancient era from around 1780's to 19th century. The problem statement relies on that how does the inventions and contribution of Aviation Pioneers lead to the skirmishes and controversies among them and countries.

This practicum is structured in five steps.

1. Introduction to the Aviation.
2. Myths of Aviation.
3. Timeline of the history of aviation.
4. Introduction to the Aviation Pioneers and their achievements.
5. Race of the first powered flight among pioneers.
6. Controversies among Aviation Pioneers.
7. Conclusion.

Acknowledgement

First and foremost, I would like to thank Almighty Allah who has given me the strength, aptitude and abilities to complete this project in a timely manner.

I also admire the assistance and guidance of my Project Supervisor Sir Kaleem Ur Rehman (Aviation Department) who facilitated me a lot throughout this project and his knowledge and information played a noteworthy role in the accomplishment of this project. I express my thankfulness to Sir Kaleem Ur Rehman and it is also worth mentioning that he provided me with the books related to this research so that I could complete the project with ease.

I also thank to my beloved parents who showered their encouragement as well as financial assistance so that I can do best in this project.

I would also thank all the Aviation Pioneers like Octave Chanute, Otto- Lilienthal, Wright Brothers, George Cayley, Samuel Langley, Montgolfier's Brothers and all the rest of Pioneers whose contribution in the aviation industry and their experiments provided me with the data that was the ultimate source of my project.

In concluding this, I would also like to acknowledge my gratitude to the respondents without whom this project would have been incomplete.

Declaration

I hereby state that this project which I acquiesce for the assessment is utterly my effort. I assert that this project has not been previously acknowledged in my department. This practicum is the result of my own research on the specific topic except where otherwise I stated. I drilled reasonable care to ensure that this dissertation is original and is not breaching any law of copyright or breach anyone's proprietary rights. All content in this project has been obtained and presented in accordance with standard academic rules and ethical considerations. I have not copied the work of other researchers and somewhere if I have copied it, I cited it properly.

I declare that this is an accurate and ultimate copy of my practicum which has been revised by my project supervisor.

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Chapter # 01

Introduction

A viation is a Latin word Avis “Bird” and verb Avier refers to “Flying” with the suffix – ation which is founded and coined by French writer and formal naval officer “Gabriel La Landelle in the year 1863. Aviation is the concrete phase of aeronautics which includes the design, production, uses of aircraft especially Heavier-than-air aircraft.

Aviation or air transport refers to the activities of mechanical flight which ultimately surrounds the aircraft industry. Aircrafts may be fixed-wing, rotary-wings and morph able wings and it also includes the non-wings lifted bodies such as parachutes, hot air balloons airships, rockets.

Aviation officially came into the limelight in the 18th century with the development of “Hot Air Balloon” that can travel into the air through steam and silk bag. Otto-Lilienthal gave another push to the aviation industry towards forwardness with his controlled glider flights and the benchmark was set by Wright Brothers when they had finally achieved the title of “First Powered Flight” heavier –than-air in 1903 at Kitty Hawk, California at 10:35am which created the history and astonished everyone with their passionate achievement.