1 INTRODUCTION

1.1 Overview

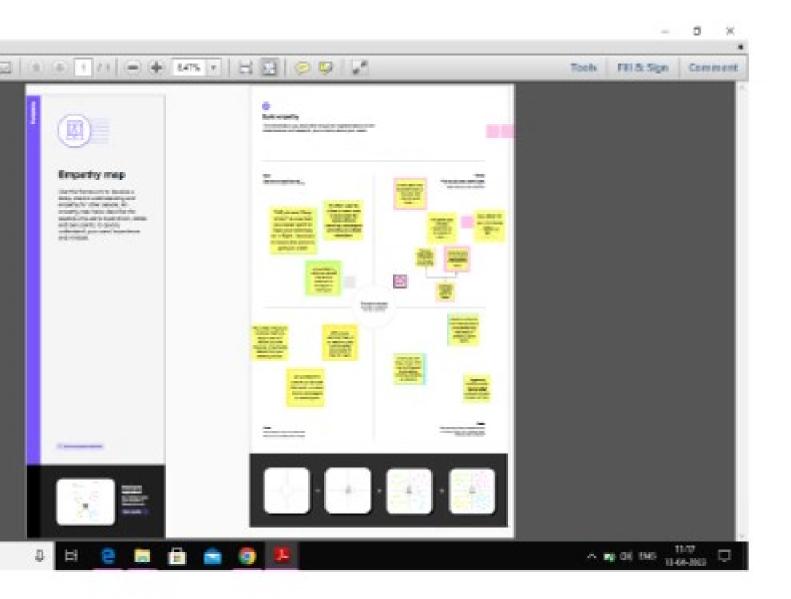
An airplane crash analysis is a detailed investigation into the causes of an aviation accident. The goal of an airplane crash analysis is to identify any factors that contributed to the accident with ultimate goal of improving safety and preventing future accident, the process of conducting an airplane crash analysis typically involes the collection and analysis of a wide range of data, including information about the aircraft and its system, the operators, and any other relevant factors.

1.2 Purpose

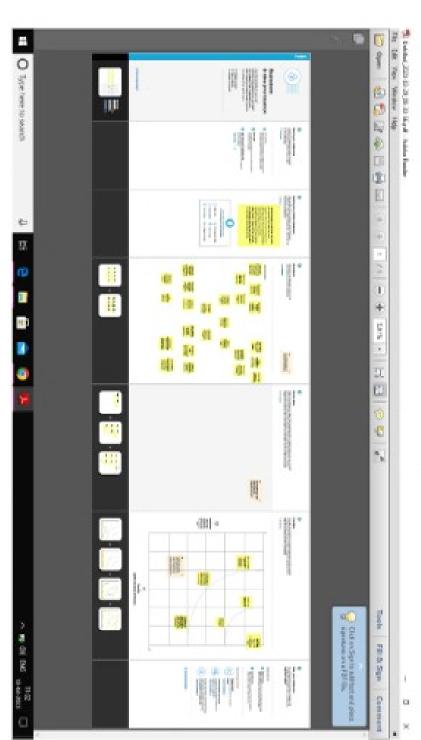
Whilst flying is extremely safe, the typical reasons as to why planes crash include pilot error, technical failures, bad weather, terrorism, and pilot fatigue. There is never one single cause attributed to pilot an aircraft crash

2.Problem definition and design thinking

2.1emphy map



2.2 Identification and brainstorming map



3 RESULT

r India Express Flight 1344 Crash | August 7, 2020. elicopter Crash in Sevierville, Tennessee Kills Two | December 29, 2021. nina Eastern Airlines Flight 5735 Crash in Guangxi | March 21, 2022. obinson R44 Helicopter Crash in Texas Kills Two | March 25, 2022.

Benegfits of Air TravelThis ease of movement of

drawbacks goods by air has a number of possibilities but also some

- expensive.... It is more expensive than other types of transport because fuel is
- It has capacity limits. ...
- as electric vehicles. It is more polluting than other more sustainable means of transport such

clearance. Air travel is used for relief seeing any natural obstacles or barriers. Since An aircraft can fly to any location without eliminates the need for more time to seek customs formalities are easily compiled. It

operations during earthquakes, floods,

6 CONCLUSION

well as a gap between perceptions and reality their skills. On the other hand, the analysis of causal experience. By age, those in their 50s and 60s the targeted accidents, 22 had flight experience for 301 triggered the accident. also a case where a pilot's excessive self-confidence concerning skills, in many of the accidents.There was as wrong assumptions carelessness and negligence, as factors shows the involvement of human factors, such obtaining a license and may have become confident in familiarization flights and recreational flights after hours may have accumulated experience in total. Pilots with the total flight time of 301 to 1000 combined were 34, accounting for nearly 60% of the to 1000 hours and 20 had 1001 or more hours of This analysisrevealed that among the pilotsthat caused

7 FUTURE SCOPE

Safest form of travel

netres travelled by plane is **0.003** compared to **0.27** by rail and **2.57** by lled. According to the Civil Aviation Authority, the fatality rate per billion m of transport, and this is at least true in terms of fatalities per distance espite the recent tragic loss activity, flying is often said to be the safest

tically, you have more chance of being killed riding a bicycle

າessage: You have to expect an average of 20 jetliner losse hen I started in the business almost 30 years ago, my boss htning. The chances of dying in an air crash in the US or Eu estimated to be 29 millio

rmany, AGCS. "Thankfully, such statistics are now history,"

he world every year," recalls Josef Schweighart, Head of

been a staggering reduction in the num

ovements in air traffic control and pilot t lities in the intervening decades, the res

APPENDIX