**PROJECT REPORT**

**TOPIC**

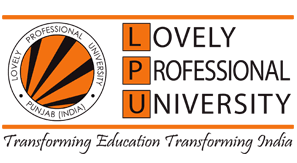
**INTELLIGENT SEAT ALLOCATION SYSTEM**

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**Abstract**

This project is developed for the welfare of the people of India. This projects simplifies seat allotment or seating arrangement according to the age of the person and other categories. The purpose of developing this seating arrangement system is to provide a way to allocate a seat to each individual so that there is no clash between different individuals.

It is a Rule Based Program.

**INTRODUCTION:**

This project is divided in three modules.

1) Front End

2) Python Code

3) Back End

Using Flask we are connecting Front end with Back end. There is a login and sign in page and if the user has already fill his details then the user will directly login with his details and if the user is new he needs to sign in.

**LITERATURE REVIEW**

We as a group have gone through some topics related to our project such as implementation of flask and connection of database with python.

We have gone through some of the websites to understand the implementation.

**PROPOSED METHODOLOGY**

**HOW THE SYSTEM IS INTELLIGENT**

1. We have designed our code in such a way that if the passenger/user is travelling alone then his/her seat is allocated depending on the age and their physical nature.
2. If the age is greater than 60 then lower birth is allocated to them and if the age is less than that then any random birth is allocated to them.
3. If any passenger is physically handicapped and of any age then the passenger is assigned lower birth automatically.

**­RESULT AND DISCUSSION**

Our project helps the passengers to book their seat according to their comfort so that they do not face any sort of problem while travelling.

**CONCLUSION**

In this era there are many problems related to allotment of seats in trains and buses. Through this project it becomes easy and convenient for the passengers to book seat and get their seat preference.

**REFERENCES**

1. For Flask

<https://www.youtube.com/watch?v=MwZwr5Tvyxo&list=PL-osiE80TeTs4UjLw5MM6OjgkjFeUxCYH>

1. For removing errors

<https://stackoverflow.com/>

1. For Database

<https://www.youtube.com/watch?v=g60QghtJmjY>