1. CUSTOMER SEGMENT(S)

- **Patients**
- **Hospital Management**

6. CUSTOMER CONSTRAINTS

Customers require more accurate andearly predictions of Length of Stay (LOS).

5. AVAILABLE SOLUTIONS

There are few Length of Stay prediction model available which lacks in predicting some exceptional case where the length of stay may extend.

Explore AS

## 2. JOBS-TO-BE-DONE / PROBLEMS

Length of stay prediction may varybased on the patient's stage/severity of disease. Patientmay get dissatisfied if there is no bed availability.

9. PROBLEM ROOT CAUSE

Unpredictable length of stay and improper medical records are the root cause of the problem.

7. BEHAVIOUR

Developing a model which predicts the length of stay ofunexceptional cases with better accuracy.

Ident stro TR EM

3. TRIGGERS

To accurately predict thelength of stay.

4. EMOTIONS: BEFORE / AFTER

**Before: Pateints often get** frustratedand depressed.

After: They feel better and get new

beginning.

10. YOUR SOLUTION

Our solution includes using algorithms like Fuzzy Logic, Tree Bagger, Random Forest, and Decision Trees to predict length the of stay more accurately. **Gives** frequent update about the bed availability.

8. CHANNELS of BEHAVIOUR

Users will check for bed availability.

**Identif** strong TR & EM