**Mathematical Model**

ANN model to predict the

Risk based on forecast and

Training data.

**I/P Proccess O/P**

S = { I, O, F, Sc, Fc }

I = { I1, I2, I3 }

I1= Pateint Datasets for model training.

I2= User Daily Health data.

I3= Weather forecast.

O={O1, O2}

O1= Risk prediction of the disease.

O2= Daily planning.

F={F1}

F1= Artificial Neural Network to anaylze and predict the risk of disease occurance based of weather forecast.

Success if:

1. Proper training database based on the conditions and climate.

2. Correct details entered by the user.

3. Accuracy of weather forecast maximum.

4. Proper ANN Model development.

Failure if:

1. Improper training Database based on the conditons and climate.

2. Incoorect details entered by the User.

3. Accuracy of weather forecast minimum.

4. Improper ANN Model development.