SCENARIO

**Monitoring, Predicting and detecting forest fires using the proposed system**

## Entice
How does someone initially become aware of this process?

## Enter
What do people experience as they begin the process?

## Engage
In the core moments in the process, what happens?

## Exit
What do people typically experience as the process finishes?

## Extend
What happens after the experience is over?

### Steps
What does the person (or group) typically experience?

**Entice**
- Awareness about forest fires
- Visit the mobile app
- They try to find ways to prevent fires from happening by early detection
- Parameters and factors that cause forest fires
- Users who live in forest fire prone areas find ways to detect fires earlier
- A user lets the app to access their location
- Images and videos are captured to monitor any activities or parameters that can cause forest fires
- Users should know the factors that cause these forest fires

**Enter**
- Get to know what causes the forest fires
- Learn how the detection mechanism works
- Users get a daily status update about the forests in their region
- Once a fire is detected, users get notified via app

**Engage**
- Arrive at location where fire is detected
- Report to fire departments and government authorities
- Evacuation
- People would find ways to extinguish the fire before it spreads across other regions
- Rescue and response teams to extinguish the fire to prevent further damage
- Animals and people are evacuated from these areas to prevent loss of life

**Exit**
- Prevent the spread of fires
- Provide feedback regarding the efficiency of the system

**Extend**
- Regular maintainence and updates given to the system
- Concentrating on forest fire prone areas
- Extending the training and testing dataset

### Interactions
What interactions do they have at each step along the way?
- **People:** Who do they see or talk to?
- **Places:** Where are they?
- **Things:** What digital touchpoints or physical objects would they use?

**Entice**
- Spread awareness to friends and family
- Discuss with forest department and other higher officials
- Discussing with experts for other feasible solutions

**Enter**
- Share with with friends, families and colleagues
- Getting to know about the software and mechanism
- Install WSNs and use drones for capturing images and videos

**Engage**
- Monitoring the forests 24/7 with the equipment
- Direct interactions with people of other regions using the same system

**Exit**
- Direct interactions with people of other regions using the same system
- Discuss with others regarding the systems performance
- Protecting forests and region from catastrophic loss

**Extend**
- Identify what else can be done to improve the system
- Provide collective feedback

### Goals & motivations
At each step, what is a person's primary goal or motivation? ("Help me..." or "Help me avoid...")

**Entice**
- Forest Fire Department have to monitor the system regularly
- Accurate prediction and detection

**Enter**
- Provides an increase in the awarness of forest fire
- Fire have to be reported immediately

**Engage**
- All the public should plant and protect forest
- By providing awareness program to the public to the public

**Exit**
- By limit the emission of toxic products created by using a convolution neural network

**Extend**
- System is compatible, reliable and adaptable

### Positive moments
What steps does a typical person find enjoyable, productive, fun, motivating, delightful, or exciting?

**Entice**
- Provides a higher degree of accuracy for predicting problems
- Visual analysis via a graph

**Enter**
- Hospital visits will be more affordable because of a reduction in travel costs

**Engage**
- Byreading reviews, you can learn more about the website
- Using the app is easy and productive, and it is user-friendly

**Exit**
- The app is used by satisfied users

**Extend**
- Byreading reviews, you can learn more about the website

### Negative moments
What steps does a typical person find frustrating, confusing, angering, costly, or time-consuming?

**Entice**
- The application cannot be accessed due to Internet connectivity issues

**Enter**
- Getting frustrated if an appointment isn't forthcoming
- People fear taking this step because of their fears

**Engage**
- Efficient physcial storage management
- Insufficient order management

**Exit**
- Low review rates

**Extend**
- Trepidation about the checkup for predicting CKD

### Areas of opportunity
How might we make each step better? What ideas do we have? What have others suggested?

**Entice**
- Sensors based prediction

**Enter**
- Make it easier now to detect the exact location

**Engage**
- Fire alarm to notify the people

**Exit**
- Alert messages through mobile application

**Extend**
- Increases people attention<br style= "user-select: auto;">