# DEEP LEARNING FUNDUS IMAGE ANALYSIS FOR EARLY DETECTION OF DIABETIC RETINOGRAPHY

Browsing, uploading images and get results

#### 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

Choose the images from pc/gallery to upload

Start using the application

They can give review

Email reminder

Following the upload of photographs, move on to the results.

Patient's profile will be there

#### Interactions

What interactions do they have at each step along the way?

patient: Who wants to reduce the risk of vision loss?

orthalmologist: who wants to

automate the diagnosis process? hospital management: who need a way to count the no.of patients

To know level of risk of vision loss section of the website, iOS app, or Android app

Direct interactions of patient

Hospital management have a count on the number of patients having diabetic retinography Hospital management consider them for future use

Goals & motivations

At each step, what is a person'sprimary goal or motivation? ("Help me..." or "Help me avoid...")

Help me see what I've done before

Help me see what I could be doing next

# Positive moments

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

Our guides tend to be so good that people are reassured when they meet their guide

People love the application, we have a 98/satisfaction rating

If positive result is got, then People generally leave app feeling

We think people like these recommendations because they have an extremely high engagement rate

**Negative moments** 

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

Areas of opportunity

How might we make each step better? What ideas do we have? What have others suggested?

Show highlights or common phrases from reviews, or "great guide" badges?

Provide a simpler summary to avoid information overload

Could we A/B test different language to see what changes response rates?

How might we progressively disclose the full review so that each step feels more simple?

How might we help people celebrate and remember things they've done in the past?