

## Assignment 9

**Q.Elaborate the parameters that you will use as feedback from test to improvise design solutions / prototypes for problems that you have tested in earlier assignments. Justify your selection of parameters and elaborate how it will improvise your design solution.**

→ It's time to get input from the people you're checking your prototypes on after you've designed them based on the concepts you and your team came up with. It's critical to improve how you receive feedback — and, as a result, learn from the ideas and users in the Prototype and Test phases of the Product Thinking phase and in every other human-centered design process. Being fast and effective helps you to switch quickly from making a prototype to testing it, gathering feedback, and then creating a better and updated version of your concepts.

### Tips for Gathering Feedback on Your Prototypes

#### Ways to Solicit Feedback

How you solicit feedback from your users depends largely on what type of prototype you have built. To begin, you may want to try out some different iterations of your prototype on users to get feedback.

When you give the users options, they will compare the different prototypes and tell you what they loved and hated about each one, which means you'll get more truthful reviews.

You can also use the (I Like, I Wish, What If) approach to get truthful reviews in the form of (I Like, I Wish, What If).

### **Prototypes should be tested on the right people.**

Who you use to validate your designs has an impact on how helpful and relevant their input is. You must first determine a dimension that is applicable to your prototype in order to find extreme users.

Community and customs can have an impact on how people in various places use the prototype.

You should get input on your prototypes from stakeholders other than your users as your project nears completion.

### **Ask the Right Questions**

Subsequently, in a post-testing interview session with your user, you should then focus on finding out the positive and negative feedback relating to usability. After testing, you should evaluate the feedback and decide if there are new questions that you should ask during future testing sessions.

### **Be Neutral When Presenting Your Ideas**

Refrain from wanting to convey the approach by highlighting both the positive and negative sides. Remember that the purpose of prototyping and testing is to discover ways to improve the idea, and overblowing it will go against that objective. Avoid being too attached to your concept, and be able to dismantle, improve, or even leave it if the situation requires it.

## **Adapt While Testing**

When you conduct tests on your prototypes, try to adopt a flexible mindset. For instance, when you realise that certain components of your prototype are drawing attention away from the core functions of the prototype, you can remove these or change them in order to bring the focus back to the key elements of your idea.

## **Contribute ideas to users**

You can encourage your users during your testing session to add ideas based on your prototypes. This will allow people to criticise and help improve the solution.

**In the last assignment we have discussed the prototype solution of Indian road safety.**

After discussion final solution are made-

The nation's roadways are routinely redesigned and upgraded to improve the safety and efficiency of the traveling public in private and commercial vehicles. For decades, the Federal Highway Administration has provided recommendations to local, regional, and state government agencies on how to decrease roadway fatalities and severe injuries. Because of that, the

National Highway Traffic Safety Administration has encouraged states to continue using cable median barriers in appropriate areas to maximize safety on the roadway.

**Redesign Roads with Safety Edges** – Installing a roadway safety is an effective paving design that is constructed with a 35-degree slope along the outer edge of the road. Studies show that a well-designed turning lane installed at a stop-controlled intersection can reduce accidents by up to 55 percent.

**Properly Set Traffic Signals** – The increasing rate of red light running automobile accidents occurring at intersections many more catastrophic injuries of fatalities than ever before.

The high concentration of vehicles traveling during Illinois rush hour draws attention to the importance of making significant changes in how traffic flow is handled to avoid congestion. **Encouraging Flexible Work Hours** – Illinois encourages businesses to focus on developing flexible working hours to alleviate traffic congestion, roadway anxiety, and excess fuel consumption. Studies show that more than ten percent of all traffic jams are the result of a minor incident occurring on the roadway.

**Providing Travel Information in Real-Time** – Instant data made available in real-time on the radio or through a GPS navigational system can provide immediate alternative routes to circumvent accidents or breakdowns.

Reducing the number of accidents that occur every day requires understanding the factors involved in a crash, including the weather, the road condition, the type of vehicle being driven, and the expertise to the driver behind the wheel. This is because every driver would never expect to be involved in a crash.

**How to Make more Roads Safer**

- Reduce Speed
- Child Safety Seats
- Wearing a Helmet
- Legalize Driverless Cars
- Eliminating Risky Driver Behavior
- Avoid Distractions
- Increase Visibility
- Strict Law Enforcement
- Make Street and Infrastructure Improvements
- Motorist Assistance Systems