

# HCI-report

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Report-Online Workshop

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Course- Introduction to Human-Computer Interaction

The NPTEL platform offered the course on "Introduction to Human-Computer Interaction" and this idea comes from the fact that proliferation of technology induces use, so studying how to build better interfaces is becoming more and more important nowadays. The current technologies like Ola/Uber to book a cab, Zomato to refer to a restaurant have made life simpler but have a lot of usability issues within them. So we learnt what makes a interface good, and what makes it bad.

The course revolved around the three main topics- Designing, Prototype and Evaluation which were very important for making a user centered design. The post conditions aimed at by the course were-Looking at interfaces as to what made them good or bad, actually be able to design user interface, to build the interface and evaluate and scientifically prove that it is useful.

The tools I was made familiar with were- Photoshop, Gim,Photo.io The best technologies today let users do what they want and do it efficiently and learning how to conceive such interfaces was one of the best possible outcomes.

Topics covered in this course:

- Concept of usability.
- HCI and software engineering.
- GUI-design.
- Prototyping techniques.
- Keystroke Model.
- Individual Models of Human Factors.
- Guidelines in HCI- Schneider man's eight golden rules.

- *Norman's seven principles.*
- *Heuristic evaluation.*
- *Cognitive walkthrough.*
- *Analysis, Dialogue designing*
- *Object Oriented Programming.*

*Importance-*

*It is a sociotechnological discipline which is helpful in designing of safety critical system for example control centers of air traffic and also the ones found in power plants. As a student of Computer Science, HCI motivates more about designing and its further scope. It broadens the mindset about how broad the technology is and how actually machine technology is used nowadays.*

*After studying the course I was able to design and implement a GUI which I later used in my software Engineering course project.*

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