



Interaction Design Engineering Design

Instructor Name: Prof. Abhishek Shrivastava

Institute: IIT Guwahati

Department: Others

Course Intro: : The course addresses issues involved in the design of interactive products for specific user groups. The course content covers basic aspects of these designs including their user interfaces and interactions, their design process and its milestones, and evaluation of designs. A student interested in the design of interactive products and services would find this course useful.

Pre Requisites: : Educational Qualification: B. Des. (Design) / B. Tech. (CS, IT) Course pre-requisite: None

Core/Elective: : Core

UG/PG: : PG

Industry Support : IT start-up companies, and established companies

Reference : 1. B. Shneiderman, Designing the User Interface: Strategies for Effective Human-Computer Interaction, (6th Ed.), Addison Wesley, 2016. 2. Preece, Rogers and Sharp, Interaction Design: Beyond Human-Computer Interaction (4th Edition), John Wiley and Sons, Delhi, 2015. 3. W.O. Galitz, The Essential Guide to User Interface Design of Interaction Design (3rd Edition), John Wiley and Sons, 2007. 4. Dix, J. Finlay, G.D. Abowd and R. Beale, Human Computer Interaction (3rd Ed.), Pearson Education Ltd., 2003.

About Instructor: The course instructor is a faculty of Interaction Design in the Department of Design, IIT Guwahati. He holds a Ph.D. in Design and a mastersTM in New Media Design. His areas of interest include human computer interaction design issues involving use of multimodalities involving sound and visuals. He also had a relevant industry experience as an interaction designer with IT industry prior to joining academics.



COURSE PLAN

| SL.NO | Week | Module Name |
|-------|------|--|
| 1 | 1 | Introduction to Interaction Design |
| 2 | 2 | Interaction Design Process (Part 1) |
| 3 | 3 | Design: Principles; Standards; Guidelines (Part 1) |
| 4 | 4 | Evaluation Techniques (Part 2) |