Short-Term Offline Course on
Designing Apps for Social Impact

Design Innovation Centre @ IISc
Dept. of Design and Manufacturing, IISc

Course Schedule

02 Jan 2025 - 09 Jan 2025

Course Timings:

5 PM - 7 PM

Minimum Qualification Required

Any undergraduate degree (including current students)

Prerequisites

- English Proficiency
- Class 12th Mathematics

Instructors

M.C. Kumari is the Program Manager at the Indian Institute of Science, for the Ministry of Education sponsored National Design Innovation Network, a web portal bringing together 80+ public universities in India, and the Design Innovation Centre at IISc. She has a B.Arch from Anna University, M.Des in Product Design from IISc, M.Phil in Environmental Design from the University of Cambridge, and PhD in Engineering from IISc.

B. Gurumoorthy is a Professor at the Indian Institute of Science in the Department of Design and Manufacturing, and the Department of Mechanical Engineering. He is the convenor of the Ministry of Education sponsored Design Innovation Centre established at IISc in 2014 and also the National Design Innovation Network since 2016. Presently, he is also serving as the Managing Director of the Foundation for Science, Innovation and Development (FSID), a not-for-profit Section 8 company established by IISc to serve as the outreach interface for the beneficial exploitation of the innovations and the human potential existing at IISc. His research interests are in the areas of CAD, Product Information Modelling, Computational Metrology, and Product Design and Prototyping. He did his B.Tech at IIT Madras in 1982 followed by M.E. and Ph.D at Carnegie Mellon University, Pittsburgh, USA in 1984 and 1987 respectively (all in Mechanical).

Course Content

The course is aimed at students interested in designing software apps addressing a social need. In this course, students will be first introduced to a method to identify community-level social issues where inequities and power disparities are observed. Following this, students will be introduced to a design process for conceptualising software applications that have potential to create social impacts. The students will learn to collaborate in teams to design and build a digital clickable prototype of an application. Students from any background can attend and prior knowledge of tools are not essential.

Day 1: January 2, 2025
Introduction to design and innovation; social innovation case studies; identifying a social need and ways to structure them

Day 2: January 3, 2025
Lecture on systems approach and conceptualising software applications; Presentations by students

Day 3: January 4, 2025
Lectures on translating concepts to interface designs and wireframing; Presentations by students

Day 4: January 5, 2025 (Online)
Introduction to digital prototyping tools and detailed design; Presentations by students

Day 5: January 7, 2025
Design review of detailed designs and feedback from users

Day 6: January 8, 2025
Final pitch presentation of the app

Day 7: January 9, 2025
Buffer day

Venue
CCE Classroom, Hoysala Guesthouse Building IISc Bangalore

Course Fee per participant: Rs.3000 + 18% GST

Registration Deadline: 31 December 2024

Registration Link: https://iisc.online/shortterm/home.html

Contact Us:
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