

MRHD Scheme on Global Initiative on Academic Network (GIAN)



Introduction to Design Thinking

Faculty:

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Course Overview:

Everything we have around us has been designed. Though traditionally used to describe the visual aesthetics of objects such as books, websites, products, architecture, and fashion, 'design', both as a concept and a discipline, is expanding to include not just the shaping of artifacts but also the ways people interact with systems, services, and organizations. Design thinking is the act of creating what Herbert Simon called 'desirable futures': a proactive stance that resolves or dissolves problematic situations by design. Through a hybrid of lectures, discussions and field trip, this interdisciplinary course unpacks the idea of 'design thinking' -- both as a concept and a toolkit --, and introduces the participants to the methodological aspects of problem-defining, innovation-led, human-centered design approach, which will enhance their skills as ethnographers, visual thinkers, strategists, analysts and storytellers. This course aims to bridge theory and praxis by equipping the participants with the ability to apply what they have learned to public service, social and entrepreneurial challenges, and untangle the complexities of policy issues and explore innovative ways to create genuine social impact in the local context. It reflects on 'design' as a human-technology interface, and points toward theoretical, critical, methodological and pedagogical practices arising out of such imbrication. This will equip participants with the expertise to frame and investigate problems using design thinking, and critically review the ideas and theories associated therewith, including with reference to local socio-economic contexts.

Course Details:

Duration: 05-11 October, 2018 | 10 lectures

Venue: Virtual Classroom, Central Computer Centre, Computer Science Building

Schedule:

5 October, Friday

Field Trip : Innovation Lab : 10:30 a.m. - 2:00 p.m.

Inaugural Session: 4.30 - 5.30

Lecture 1 | 5:30 p.m - 6:30 p.m

Introductory Remarks: Understanding Design Thinking

6 October, Saturday

Lecture 2 | 10:30 a.m. - 11:30 a.m.

Social Innovation through Design

Lecture 3 | 2:00 p.m. - 3:00 p.m

Design Rhetoric: Importance of Language

Topic Discussion | 3:00 p.m. - 4:00 p.m.

7 October, Sunday: Day Off

8 October, Monday

Lecture 4 | 10:30 a.m - 11:30 a.m.

Designing Business and Innovation

Lecture 5 | 2:00 a.m. - 3:00 a.m.

Service Design Perspective

Topic Discussion | 3:00 p.m - 4:00 p.m.

9 October, Tuesday

Lecture 6 | 10:30 a.m - 11:30 a.m.

Designing for Sustainability

Lecture 7 | 2:00 p.m. - 3:00 p.m.

Wicked Problem Solving

Discussion of Case Studies | 3:00 p.m. - 4:00 p.m.

10 October, Wednesday

Lecture 8 | 10:30 a.m - 11:30 a.m.

Critical Analysis of Design Thinking

Lecture 9 | 2:00 p.m. - 3:00 p.m.

Prototyping Possibilities

Discussion | 3:00 p.m - 4:00 p.m.

11 October, Thursday

Lecture 10 | 10:00 a.m - 11:00 a.m.

Prospective Projects, Closing Remarks & Synthesis

Final Presentations 11:30 p.m. – 12:30 p.m.

Valedictory Session & Certificate Distribution: 4 pm - 5 pm

Instructional Materials:

The core readings may be accessed from here:

https://drive.google.com/open?id=1rcd0wWkUNpz_1_slin0pTCutcM26ZjQK

Besides the core readings, there's one text -- *Field Guide to Human-Centered Design* – just to skim. Also, please skim through: <http://www.designkit.org>

The following videos Must also be viewed:

<https://youtu.be/UAinLaT42xY?list=PL2AzXhTynR-33OLsFwYJWuC9KDwg6uOOqr>

<https://www.youtube.com/watch?v=6V5ho11BgTo&t=243s>

<https://www.youtube.com/watch?v=0V5BwTrQOCs>

As a practical focus, this course, throughout the week, will think through: How might we improve health in everyday life? In essence, this is a semester's worth of classes with more theory and discussion than usual.