



# Final Design Submission

Design Thinking & Innovation  
Project

Section: P16, Week 16



D'source Project



Open Design School



MoE's Innovation Cell



**THINK!  
DESIGN**

# **Design Thinking & Innovation (DT&I)**

Section: P16

Week 16



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# **Design Thinking & Innovation (DT&I)**

**Prof. Ravi Poovaiah**  
IDC School of Design, IIT Bombay



# DT&I Project

## P16 Final Design Submission

Module P16:



# Project:

## Content

P16.1: Finalise Design

P16.2: Final Course Report + Presentation Submission - week 1 to 16

P16.3: Documentation details – References and Acknowledgements

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P16.1

# DT&I Project: Finalise Design



# DT&I Project – Finalise Design:



**This week is dedicated to finalizing all aspects of the design solution and documenting the whole process in the form of a report and presentation.**

This is in terms of its:

1. Design Features – functional, form, materials, media
2. List of components of the final design
3. Design Specifications

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P16.2

# DT&I Project Deliverables: week 1 to 16





# DT&I Project (DT&I) Deliverables:

## DT&I Project week 1 to 16 Report + Presentation:

### Week 1 to 16 Report:

- the report documents the summary progress of the project from week 1 to 16 mainly in text + Images format
- the report should include 1-2 page/s for every week
- the report is of A4 size, vertical format, 11 point type, Line spacing should be 1.5 spacing times the font size.

### Week 1 to 16 Presentation Slides / Pages:

- The presentation documents the summary progress of the project from week 1 to 16 in visual format
- The presentation should include 1-2 slides / pages for every week
- the presentation slide is of 254mm x 143mm or 16:9 ratio, horizontal format, 14 point type, single spaced
- the presentation should include the mappings and tables
- Minimum 1 tool for every 2 weeks



# DT&I Project (DT&I) Deliverables:

## DT&I Project week 1 to 16 Report Content:

### Week 1 to 16 Report:

- Title of the Design Project
  - + Listing of Content
- Team members (if more than one)
- Introduction – why this project
- Summary of Secondary Research
- Summary of Primary Research
- Analysis part 1 and 2 (inferences to recommendations)
- Redefining the Problem Statement
- Ideation/ Alternate Concepts
- Prototyping: soft, medium, hard
- Human factors/ergonomics
- Usability Studies/User Feedback
- Final Design Concept
- Business Model
- Future directions/steps
- Full References
- Acknowledgments
- **Submit as one PDF document**



# DT&I Project (DT&I) Deliverables:

## DT&I Project week 1 to 16 Presentation Content:

### Week 1 to 16 Presentation Slides:

- Cover slide with the Title of the Design Project
- Team members (if more than one)
- Content slide
- Secondary Research (with Tool/s)
- Primary Research (with Tool/s)
- Analysis part 1 (with Tool/s)
- Analysis part 2
- Redefining the Problem Statement (with Tool/s)
- Ideation/ Alternate Concepts
- Prototyping: soft, medium, hard
- Human factors/ergonomics
- Usability Studies
- Final Concept
- Business Model
- Future directions/steps
- Full References
- Acknowledgments
- **Submit as one PDF document**



# DT&I Project (DT&I) Deliverables:

## DT&I Project week 1 to 8 Report: Sample page of the report.

### Your Design Project Title

Subtitle: If applicable.

Roll Number

**Abstract:** In this paper we describe the formatting requirements for report for your design project and offer recommendations on writing for the worldwide readership. Please review this document carefully even if you have submitted to other reports before. These include the formatting of table and figure captions and the formatting of references. Every submission should begin with an abstract of maximum 150 words, followed by a set of keywords.

**Key words:** *Paper Template, Guides, instructions, author's kit, report guidelines.*

### 1. Introduction

This format is to be used for design project report submissions. Please follow some simple guidelines. Essentially, you should format your report exactly like this document. The easiest way to do this is simply to download a template from the course web site, and replace the content with your own material. This template file contains specially formatted styles naming (e.g., Abstract, Heading, roll number, Figure No, Table No, Reference, Text, Table Text) that will reduce your work in formatting your submission.



# DT&I Project (DT&I) Deliverables:

## DT&I Project week 1 to 8 Report: Sample page of the report.

Your Design Project Title  
Subtitle: If applicable.

Roll Number

**Abstract:** In this paper we describe the formatting requirements for report for your design project and offer recommendations on writing for the worldwide readership. Please review this document carefully even if you have submitted to other reports before. These include the formatting of table and figure captions and the formatting of references. Every submission should begin with an abstract of maximum 150 words, followed by a set of keywords.

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### 1. Introduction

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### 2. Page Document

#### 2.1 Page Size

On each page your material (including the page number) should fit within the type area of A4 size, with a 2.5 cm top-margin, 2.5 cm bottom-margin and 2.5cm margins left and right. The text is left aligned. Beware, especially when using this template on a Apple devices, Word can change these dimensions in unexpected ways.

#### 2.2 Typeset text

Prepare your submissions on a word processor. Please note that the page layout may change slightly depending upon the printer you have specified.

#### 2.3 Text

Please use Trebuchet Font for text in 11 point. All line spacing should be 1.5 spacing times the font size.

Title of Project

1

### 2.4 Number of Words

The total number of words (including the title, abstract, keywords, main text, acknowledgements and the references) should be roughly 300 words per page. We request you to submit 1 page per week.

### 2.5 Table

Here is shown a sample of the table - it should be left aligned.

Sample1	Sample2	A	B	Std.	Differences	Others
Title 1	Design	0	0	0	0	Hongik University of Design and Science
	Design	0	0	0	0	
	Design	0	0	0	0	
Title 2	Design	0	0	0	0	Hongik University of Design and Science
	Design	0	0	0	0	
Title 3	Design	0	0	0	0	Hongik University of Design and Science
	Design	0	0	0	0	
	Design	0	0	0	0	

Table 1. Sample

### 2.5 Figure

Here is shown a sample of a Figure - it should be left aligned.



Figure.1 Sample

### 6. Conclusions

It is particularly important that you state clearly what you have done, not merely what you plan to do, and explain how your design is and what is the unique contribution that your design project makes to the field?

Title of Project

2

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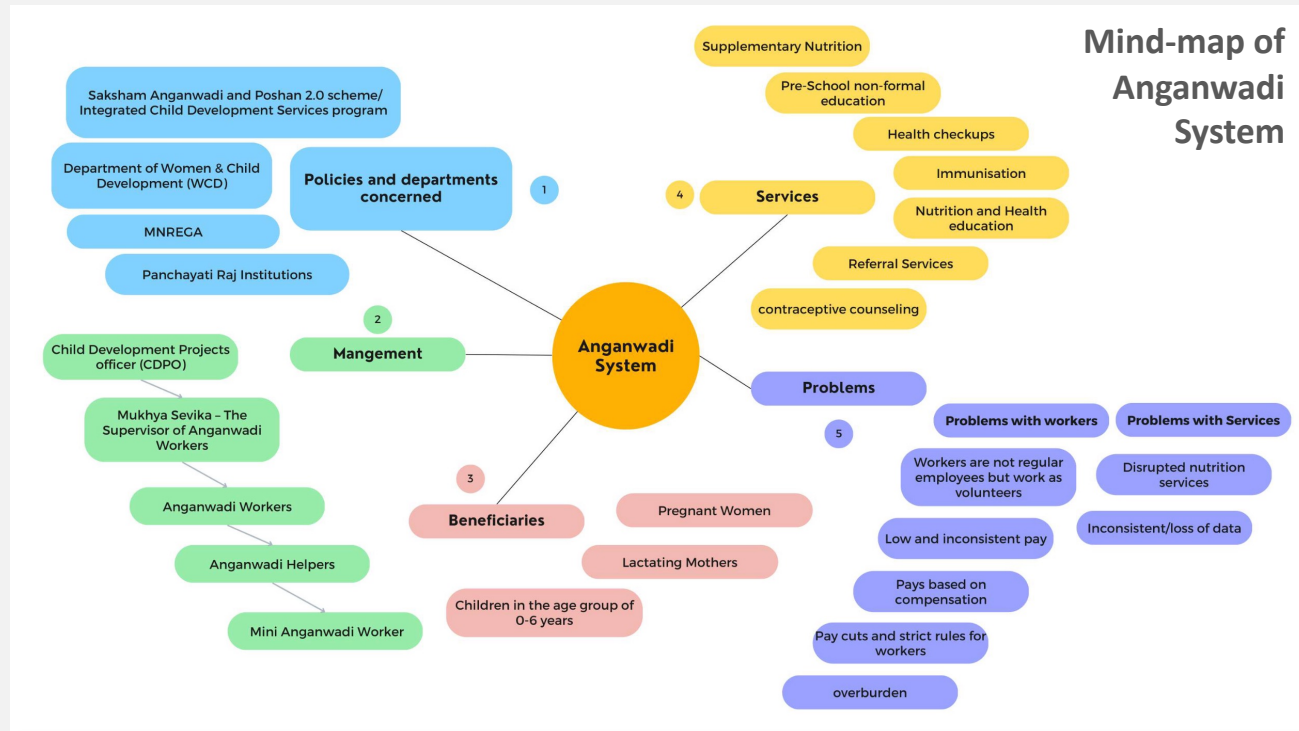


# DT&I Project (DT&I) Deliverables:

DT&I Project  
week 1 to 8  
Presentation:  
Sample slide  
page of the  
presentation.

By Parthkumar Prajapati  
as part of  
<https://dsourcechallenge.org>

P16.2-012





# DT&I Project (DT&I) Deliverables:

**DT&I Project  
week 1 to 8  
Presentation:**  
Sample slide  
page of the  
presentation.

By Parthkumar Prajapati  
as part of  
<https://dsourcechallenge.org>

P16.2-013

## Anganwadi Centre- Field Visit



**Chirag Delhi, Delhi**

**No. of beneficiaries- 22**

### **Rakhi Rani (Anganwadi Worker)**

Age: 36 years  
Education: Bachelors  
Family Member: 2 Sons  
Experience: 15 Years

### **Mukesh Kumari (Anganwadi Helper)**

Age: 57 years  
Education: Illiterate  
Family Member: No one  
Experience: 15 Years

**Primary  
Research**



A dark gray circle containing the text "THINK! DESIGN" in yellow, bold, sans-serif capital letters.

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DESIGN



P16.3

# References and Acknowledgments






# How to do Referencing . . .

- In the Harvard system, references are be cited in the text or below the image within brackets (**e.g. (author, year), (author, year)**) or numbered in brackets and listed at the end of the paper/report/presentation in the order in which they appear in the text. i.e., (**Bharucha, R., 2003**)
- References are listed in the following format as shown here:  
**References: book**  
Bharucha, R. (2003) Rajasthan an Oral History. Penguin Books, India.
- **References: Downloaded PDF**  
Bruner II, G. C. and Kumar, A. (2007) Attitude toward Location-Based Advertising [Online PDF]. Available at <<http://www.jiad.org/vol7/no2/bruner/Attitude%20toward%20locationbased%20advertising.pdf>> [Accessed 18 April 2024]



# How to Acknowledge? (repeat from section A3.6-023)

- During the research phase, there are **many who help and support you**. It is **important to acknowledge their assistance**.
- For example:
  - Faculty members and mentors
  - Librarian or an expert in your topic
  - Institutions and Organisation that helped you with research
- First Name, Last Name,  
Name of Institution/organization,  
email address (optional)  
(B. Ramesh Kumar, Indian Institute of Technology Bombay, India, ramesh\_b@iitb.ac.in)



**Thanks very  
much for  
Listening**

**DT&I Project**  
Section: P16  
Week 16



# DT&I Project – Week 1-8:



## Week 1

- > Select Project
- > Brain-Storming



## Week 2

- > Select Project Title
- > Mind-Mapping



## Week 3

- > Sec. Research 1
- > 5W + 1H Questions
- > 5W + 1H Matrix



## Week 4

- > Sec. Research 2
- > User Participant Mapping

## Week 5

- > Primary Research
- > Contextual Inquiry

## Week 6

- Primary Research
- > Questionnaires
- > Talking to Subject Experts

## Week 7

- > Analysis
- > Use of Artifact / Activity / Spatial Mappings

## Week 8

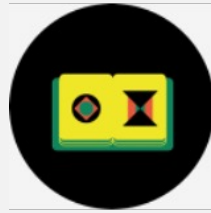
- > Data Analysis
- > Creating Personas
- > Making OIOR Table

# DT&I Project – Week 9-16:



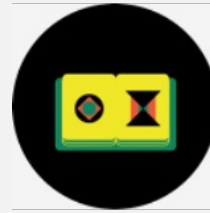
## Week 9

- > Ideation Part 1
- > Generating Creative Ideas



## Week 10

- > Ideation Part 2
- > Generating Creative Ideas
- > Concept Evaluation
- > Concept Maps



## Week 11

- > Prototyping Part 1
- > Soft Prototype
- > 'Rough Sketches',
- > Paper Prototype
- > Scenarios/ Storyboarding



## Week 12

- > MVP
- > Proof of Concept (PoC)
- > Info Architecture
- > Experience Design

## Week 13

- > Human Factors / Ergo
- > Systems Mapping
- > Hi-fidelity prototyping
- > 3D Modelling Printing

## Week 14

- > Usability Studies
- > Iterate and Finalise Design

## Week 15

- > Business Model
- > Pitch Presentation
- > IP, Creative Commons, Open Source & Design

## Week 16

- > Final Design
- > Report
- > Presentation

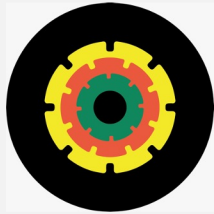
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# DT&I Course – Week 16:



DT&I  
Process  
(20%)

- > Final Design
- > Report
- > Presentation



DT&I  
Tools  
(20%)

- > Report
- > Presentation Tips



DT&I  
Project  
(50%)

- > Final Report Submission
- > Final Presentation Submission



DT&I  
Cast Study  
(10%)

- Expert Discourse:
- > Innovation and Creativity



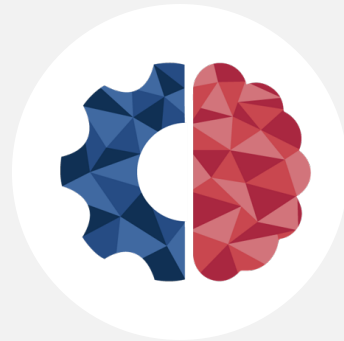
## Supporting Organizations:



D'source Project



Open Design School



MoE's Innovation Cell



**Credits:**

**Presented by:**  
Prof. Ravi Poovaiah



D'source Project



Open Design School



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## Credits:

**Camera & Editing:**  
Santosh Sonawane



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## Credits:

Think Design Animation:  
Rajiv Sarkar



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## Credits:

**Graphic Icons:**  
Shweta Pathare



D'source Project



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## Credits:

End Title Music:  
C P Narayan



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