

KHOJ

Course Outline

Problem analysis- 15 hours

Literature Review- 10 hours

Develop strategy / solution to the problem Identified 20 hours

(Units, Hours, Textbooks, Reference Books)

Pedagogy

Field visit, interaction with stakeholders, readings and discussions, working in laboratories as needed

Assessment / Evaluation

- Internal Assessment will comprise of 60 marks. It will be conducted as follows:
 - Problem analysis- 20 marks
 - Literature Review- 10 marks
 - Log book /Reflective Journal – 15
 - Draft detail of the solution/strategy-15

- End semester Assessment will comprise 40 marks. It will be conducted as follows:
 - Viva voce for strategy / solution to the problem Identified by external and internal
 - examiner- 30 marks
 - Report / Research Article / Poster- 10 marks

It is mandatory to pass individually in internal as well as end semester assessment.

KHOJ Session Plan

	Session No.	Topic & Subtopic Details	Readings, Cases, etc.	Activities*	Important Dates
Topic Title	1	<p>Orientation to the course Problem analysis-</p> <p>Identify the scope of the problem, the geographical, Demographic, Economic and socio-cultural conditions of the local context-</p> <p>Also, a brief broader level-state, country and world view of the problem</p>	<p>Yunus, Muhammad, & Jolis, A. (1998). <i>Banker to the poor: The autobiography of Muhammad Yunus, founder of the Grameen Bank.</i> London: Aurum Press.</p> <p>Select appropriate cases will also be selected from the previous projects.</p> <p>Select aspects from the following book will be discussed.</p>	<p>Viewing of student work of the previous semester</p> <p>Case study discussion to understand the processes involved in understanding and addressing social problems Formation of interdisciplinary groups</p> <p>.</p> <p>In class, In group discussion of an exploratory nature</p> <p>Capturing collective work on vision board</p>	3/1/22
	2	<p>Problem Analysis</p> <p>Developing tools (questionnaire, interview schedule) and pointers to gather the required information about the problem.</p>		<p>Announcement of Assignment 1 Concept note on Problem Analysis</p> <p>In-class, in- group discussion of an exploratory nature. Identification of the different facets of the problem</p> <p>Sharing of the understanding arrived at from different disciplines and</p>	<p>Date of announcement January 10, 2022 Date of submission January 31, 2022</p> <p>10/1/22</p>

	3	Problem Analysis Understand the problem from the local perspective		Interview with stakeholders and Field visit	17/1/22
	4	Problem Analysis Developing a concept note on the problem analysis		In-class, in-group work Consolidation of the understanding gained from field visit Review of Log Book	24/1/22
	5	Problem Analysis Literature review covering efforts of NGOs, Institutions, Industries, and such other relevant efforts		Submission of the concept note on problem analysis	31/1/22 Date of announcement January 31,2022 Date of submission February 7, 2022
	6	Literature Review		Assignment 2 Submission of literature review Discussion on the learnings from the literature reviewed. Identification of the aspects that can be applied in the problem identified	7/2/22
	7	Literature Review		Assignment 2 Submission of literature review	14/2/22
	8	Developing strategy to address		In class discussion, small group work	21/2/22

		the problem identified.		on specific aspects of the problem Develop a few alternative strategies Review of Log Book	
	9	Review from stakeholder about the alternative strategies developed		Interaction with the stakeholders	28/2/22
	10	Developing strategy to address the problem identified		In class discussion, small group work on specific aspects of the problem Laboratory work, if and whenever required.	7/3/22
	11	Developing strategy to address the problem identified		In class discussion, small group work on specific aspects of the problem Laboratory work, if and whenever required.	14/3/22
	12	Developing strategy to address the problem identified		In class discussion, small group work on specific aspects of the problem Identifying, sourcing data from the field for taking the strategy to implementation level Review of log book	21/3/22
	13	Developing strategy to address the problem identified		In class discussion, small group work on specific aspects of the problem Identifying, sourcing data from the field for taking	28/3/22

				the strategy to implementation level	
	14	Developing strategy to address the problem identified		In class discussion, small group work on specific aspects of the problem Identifying, sourcing data from the field for taking the strategy to implementation level	4/4/22
	15	Developing strategy to address the problem identified		Pilot implementation and review. Improving/revising the strategy	11/4/22
	16	Developing the Report / Research article/ Poster		In class discussion and working on Report / Research article/ Poster	18/4/22 Submission of Report, research article and poster in the week
	17	End semester assessment		Viva voce	25/4/22

Suggested readings:

Mashelkar, R. A. (2015) New Panchsheel of the New Millennium: Presidential Address
<http://www.mashelkar.com/index.php/keynote-addresses/145-indian-science-congress-inaugural-address>

Radjou, N. Prabhu, J. & Ahuja, S. 2012. Jugaad innovation: Think frugal, be flexible, generate breakthrough growth. San Francisco, CA: Jossey Bass.

Radjou, N. & Prabhu, J. 2015. Frugal innovation: How to do more with less. New York, NY: Public Affairs.

Yunus, Muhammad, & Jolis, A. (1998). *Banker to the poor: The autobiography of Muhammad Yunus, founder of the Grameen Bank*. London: Aurum Press.

<https://www.infosys.com/infosys-foundation/aarohan-social-innovation-awards/overview.html>

<https://nif.org.in/>