

Unit 6 - Week 4

Course outline

How does an NPTEL online course work?

Week 0

Week 1

Week 2

Week 3

Week 4

Lecture 12 : Collaborative Innovation Methods by Prof B. K. Chakravarthy Part 1

Lecture 13 : Collaborative Innovation Methods by Prof B. K. Chakravarthy Part 2

Lecture 14 : Collaborative Innovation Methods by Prof B. K. Chakravarthy Part 3

Weekly Feedback

Download Videos

Quiz : Assignment 4

Assignment 4 solutions

Week 5

Week 6

Week 7

Week 8

Assignment 4

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2020-03-25, 23:59 IST.

1) Which of the following is not one of the Chakku's 7 C's

1 point

- Conception
 Collaboration
 Context
 Comprehension

No, the answer is incorrect.
Score: 0

Accepted Answers:
Collaboration

2) Select the option which follows the correct sequence according to the pitfalls of innovation

1 point

- Research- Prototype- Mass production
 Design-Prototype-Mass production
 Prototype-pilot production-Mass production
 Research- Design- Pilot production

No, the answer is incorrect.
Score: 0

Accepted Answers:
Prototype-pilot production-Mass production

3) Which of the following is one of the pitfall in the innovation process

1 point

- Research to design
 Research to prototype
 Pilot production to mass production
 Design to pilot production

No, the answer is incorrect.
Score: 0

Accepted Answers:
Research to design

Pilot production to mass production

4) How should research work be conducted in order to achieve large scale impact for innovation?

1 point

- Exploratory, Inductive, Deductive
 Deductive, Exploratory, Inductive
 Exploratory , Deductive, Inductive
 Inductive, Exploratory, Deductive

No, the answer is incorrect.
Score: 0

Accepted Answers:
Exploratory, Inductive, Deductive

5) Which of the following is/are learnings from step-through bike design from the real case studies for research?

1 point

- Important info about users can be obtained from dealers
 Market can be better understood through user surveys than talking to dealers
 Market can be better understood through dealers
 Families can give better feedback in the bike design process than dealers

No, the answer is incorrect.
Score: 0

Accepted Answers:
Important info about users can be obtained from dealers
Market can be better understood through dealers

6) You are likely to fall in which of the following pitfalls, if you haven't properly developed the following criteria in your innovation- vendor development, material selection, user testing, market research.

1 point

- 1st- Research to Design
 2nd- Design to Mockup
 3rd – Prototype to pilot
 4th- pilot to mass production

No, the answer is incorrect.
Score: 0

Accepted Answers:
3rd – Prototype to pilot
4th- pilot to mass production

7) While designing a bicycle for Hero Cycles , what was arguably the biggest breakthrough?

1 point

- Reduction of cost by 25%
 Using sheet metal
 Using the deep drawing manufacturing method used to make car parts
 Reducing wheel size to accommodate the longer fork.

No, the answer is incorrect.
Score: 0

Accepted Answers:
Using sheet metal
Using the deep drawing manufacturing method used to make car parts

8) Why was the handle bar connected to the fork of the new design of hero cycles made long?

1 point

- To prevent warping of sheet metal
 To prevent extra torque for turning
 To provide ergonomic comfort
 To make the cycle look stylish

No, the answer is incorrect.
Score: 0

Accepted Answers:
To prevent warping of sheet metal

9) Which of the following mean the same as crafting in Chakkus 7 Cs'

1 point

- Cause
 Problem Identification
 Conception
 Prototyping

No, the answer is incorrect.
Score: 0

Accepted Answers:
Prototyping

10) In a sequential process like the 7 Cs which of the following is not in the chronological order from a to d

1 point

- Check
 Conception
 Comprehension
 Crafting

No, the answer is incorrect.
Score: 0

Accepted Answers:
Comprehension