

SBC (4) (IV.5.3) Innovation Skills: Learning from Innovators Skill Based Course

1. Credit Distribution of the Course

Course title & Code SBC (4) (IV.5.3)	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Innovation Skills: Learning from Innovators	2	0	0	2	Undergraduate	NIL

2. Learning Objectives

Innovation is an essential skill to convert ideas into action. This course aims to develop an insight and hands on learning experience into the process of innovation; inculcate among learners' ways of using knowledge, experience, creativity and out of box ideas to transform existing products, processes and applications; and how to target realistic problems both at the local and global levels. One must understand that the role of technological advances and learning from innovators' experiences is essential for growth and development.

3. Learning Outcomes

- Familiarization with essential concepts of innovation
- Learn to implement ideas to reality
- Exploring lifecycle of innovators to understand problem solving techniques
- Designing hands-on activities to showcase innovation skills

4. Syllabus (Practical's)

[60 hours]

Activities to perform based on the concept of Innovation and its aspects.

- Gaining an understanding of the concept of “Innovation” and exploring its four main types-supported by real-world examples.
- Exploring innovation skills connecting with real world problem solving
- Interlinking innovation and entrepreneurship
- Identifying innovative practices from study of innovators lifecycle
- Exploring innovation in education sector: Case Studies
- Examining impact of existing innovation cases on our society and its outcomes
- Identifying factors necessary for creating an environment for innovation at work places
- Presenting innovators as role model and mentors
- Positive impact of innovation and industry linkage

- Use of technology for Innovation: Examples from real world
- Innovators as Role Models and Mentors: Examples from real world
- Building up prototypes to depict innovative aspects

6. Essential Readings

- Ridley, M. (2021). *How innovation works?* Fourth Estate Ltd. Harper Collins Publishers (ISBN: 9780008334840)
- Dodgson, M. & Gann, D. (2018). *Innovation: A very short introduction*. Oxford University Press, India. (ISBN: 9780192558619)
- Kelley, T. & Littman, J. (2005). *The ten faces of innovation*. Doubleday, Random House Inc. (ISBN: 0385512074)

7. Suggestive Readings

- Radjou, N., Prabhu, J. & Ahuja, S. (2012). *Juggad Innovation - A frugal and flexible approach to innovation for the 21st century*. Random House Publishers India Pvt. Limited. (ISBN: 9788184002058)
- Narang, S. (2016). *Innovation: Why What and How*. Vitasta Publishing (ISBN: 9789382711322)