

## Discipline Specific Electives (DSE): 04 Credits

### DSE (I.4.1) Innovations in Education Discipline Specific Elective

#### 1. Credit Distribution of the Course

Course title & Code DSE (I.4.1)	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
Innovations in Education	4	2	0	2	Undergraduate	-

#### 2. Learning Objectives

Innovation in Education is important to solve many contemporary challenges faced by the country today. The course aims to develop an insight into the process of developing innovative ideas; how to deconstruct standardized procedures and think more open, creative and out of box ideas to target realistic problems of education.

#### 3. Learning Outcomes

- able to conceptualize the idea of innovation;
- able to identify factors responsible for innovation;
- able to understand the need and scope of innovation in educational practices.

#### 4. Syllabus

**Unit I Understanding concept of Innovation** - Conceptualizing innovation in in terms of: Learning; Teaching; Society; Industry. **[7 hours]**

**Unit II: Essentials of Innovation:** Innovation as an idea, product or process; innovation and need of society; innovation and technology. **[7 hours]**

**Unit III: Creating an environment for Innovation** - Factors responsible for innovation; Need identification and working for innovation; support system to promote innovation; Implementing changes for promoting innovation; innovation by practice. **[9 hours]**

**Unit IV: Innovations in Education:** Educational needs, curriculum and practices, hands on - minds on. **[7 hours]**

**5. Illustrative Practical Details**

**[60 hours]**

- To exploring and applying “4Cs” essentials of Innovation that make up Learning and Innovation Skill to field of education.
- To study the distinction between the terms: Innovation, Reforms and Changes with examples.
- To identify four types of innovations in terms of education and developing sample modules
- To explore linkage of education to entrepreneurship with workable modules
- To explore role of internet in fostering innovation in education
- To prepare modules of innovative teaching practices to enhance learning
- To explore innovations in educational sectors
- To explore factors responsible for making innovations in education sector a success.
- To learn to fostering a culture of innovation in educational institutes
- To study support system to promote innovation in educational institutions.
- To study aspects to design an innovative classroom
- To study life story of innovators.
- To explore innovative methods of teaching mathematical concepts in Vedic maths.

**6. Essential Readings**

- Scott D. & Mota R. (2014). *Education for Innovation and Independent Learning*, Elsevier.
- Wagner T. (2012). *Creating Innovators: The Making of Young People Who Will Change the World*, Schuster.

**7. Suggestive Readings**

- Casas, Whitaker, & Zoul. (Ed.).(2019). *10 Perspectives on Innovation in Education (Routledge Great Educators Series (Vol.I))*. Routledge.
- Plucker J.A. (2021). *Creativity and Innovation: Theory, Research, and Practice* Prufrock Press.