

DSE (IV.3.2) Education for a Futuristic Paradigm Discipline Specific Elective

1. Credit Distribution of the Course

Course title & Code	Credits	Credit distribution of the course			Eligibility criteria	Pre-requisite of the course (if any)
		Lecture	Tutorial	Practical/ Practice		
DSE (IV.3.2)						
Education for a Futuristic Paradigm	4	3	1	0	Undergraduate	NIL

2. Learning Objectives

This course explores emerging paradigms in education that address the challenges and opportunities of a rapidly changing global society. It focuses on 21st-century competencies, digital transformation, sustainability, equity, and innovation in education, aligning with the vision of NEP 2020 and Education for Sustainable Development (ESD). The course encourages critical reflection on how education systems can be re-envisioned to nurture creativity, adaptability, ethical values, and global citizenship for a sustainable and inclusive future.

3. Learning Outcomes

- Explain the philosophical and sociological foundations of futuristic education.
- Analyze global and national trends influencing educational change.
- Design learning experiences fostering creativity, critical thinking, and sustainability.
- Evaluate the implications of technology, AI, and digital learning on pedagogy and equity.
- Conceptualize strategies for building resilient, inclusive, and sustainable educational futures.

4. Syllabus

[45 hours]

Unit I: Concept of Futuristic Education - Meaning and need for a futuristic paradigm in education, characteristics of a future-oriented education system. Futures thinking and foresight approaches in education. Vision of NEP 2020 and UNESCO Futures of Education Report (2021). **[10 hours]**

Unit II Emerging Trends and Global Challenges - Globalisation, sustainability, and human development. Digital revolution, artificial intelligence, and automation in education.

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Changing nature of knowledge, skills, and lifelong learning. Equity, inclusion, and diversity as central themes of future education. **[12 hours]**

Unit III Curriculum and Pedagogy for the Future - 21st-century skills: creativity, critical thinking, communication, and collaboration. Curriculum integration for sustainability, STEAM, and life skills. Innovative pedagogical approaches: Blended learning, project-based learning, and design thinking. Interdisciplinary and experiential learning. Assessment reforms for competency-based education. **[12 hours]**

Unit IV: Policy, Innovation, and Institutional Transformation - Educational leadership and governance for future-ready systems. Role of teachers as innovators, mentors, and facilitators. NEP 2020 and SDG 4: Policy perspectives on future learning. Role of technology, open education, and digital universities. **[11 hours]**

5. Tutorials **[15 hours]**

- Develop a digital learning or sustainability project.
- Case studies: India, Finland, Singapore, and UNESCO educational initiatives.
- Mapping curriculum goals to 21st century skills
- Exemplary lesson plan based on innovative pedagogy

6. Essential Readings

- UNESCO (2021). *Reimagining Our Futures Together: A New Social Contract for Education*. Paris: UNESCO.
- Government of India (2020). *National Education Policy 2020*. Ministry of Education.
- Mishra, S. (2021). *Futures of Learning: Educational Transformations in India*. NIEPA.
- Sterling, S. (2011). *Transformative Learning for a Sustainable Future*. Earthscan.

7. Suggestive Readings

- Drucker, P. (1993). *Post-Capitalist Society*. Harper Business.
- Sterling, S. (2011). *Transformative Learning for a Sustainable Future*. Earthscan.