

Hand Book

Higher Education Reforms

OBE | NEP 2020



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Higher Education Reforms Shaping Future India

Learning is the innate nature of human beings. We seek and generate knowledge and apply it to transform our lives. But as civilizations emerged, social systems became more complex, and the Industrial Revolution took center stage, we started paying attention to making learning more effective and outcome oriented. Social scientists, psychologists, and educationalists have been examining our learning patterns and developing theories to address the challenges.

Outcome-based education (OBE) is such an effort derived from one of the impactful theories, called Behaviourist Learning Theory. To align with this global education framework, India too developed a policy to meet the challenges in becoming a global leader. That policy, named National Education Policy 2020 is currently being adopted across educational institutions in India.



OBE Outcome-Based Education

OBE is a transformative approach that shifts the focus from mere content delivery to desired learning outcomes. It emphasizes the acquisition of practical skills, competencies, and abilities by students.

Key features of OBE include

Academic Flexibility

Incorporating Choice-Based Credit System (CBCS) to allow students to tailor their learning paths

Skill Development

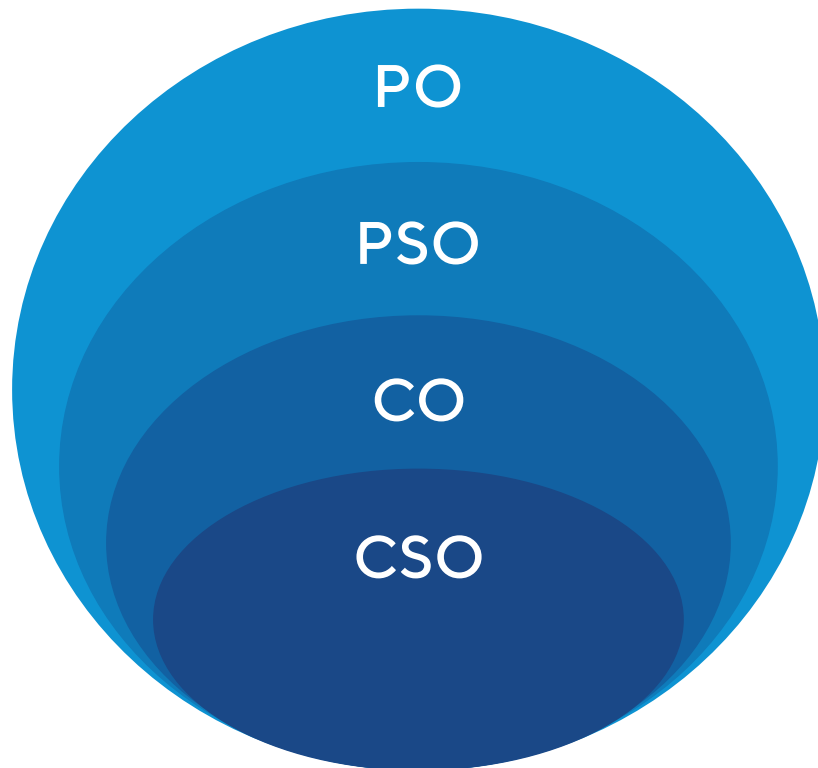
Prioritizing the development of higher-order cognitive skills such as critical thinking, problem-solving, and soft skills.

Assessment Alignment

Assessing student progression based on the achievement of specified outcomes

Clear Articulation

Defining Program Educational Objectives (PEOs), Program Objectives (POs), and Course Objectives (COs) for each program, which is to be achieved by the student on completion.



Program Outcomes (PO)

Statements that describe what graduates should be able to do (Graduate Attributes)

Course Outcomes (CO)

What students should be able to do at the end of a course

Program Specific Outcomes (PSO)

Statements that describe what graduates of a specific program should be able to do.

Course Specific Outcomes (CSO)

These are statements that specify what students should be able to do or achieve at the end of a particular course. CSOs are similar to Course Outcomes (COs) but may be more tailored to the specific objectives, content, and learning activities of a particular course.



NEP 2020 National Education Policy 2020

NEP 2020 envisions an inclusive, holistic, and skill-centric education system.

Key features of OBE include

Multidisciplinary Approach

Integrating knowledge from various arts and disciplines.

Conceptual Understanding

Fostering deep understanding through communication, debate, research, and interdisciplinary thinking.

Employability Enhancement

Emphasizing practicality through internships and improving students' employability.

Periodic Curriculum Revision

Revisiting the curriculum to meet changing industrial and societal needs.

Quality over Quantity

Prioritizing quality education aligned with skill development



- **Undergraduate degree programmes of either 3 or 4-year duration**, with multiple entry and exit points and re-entry options, with appropriate certifications
- **A UG certificate after completing 1 year** (2 semesters) of study in the chosen fields of study
- **A UG diploma after 2 years** (4 semesters) of study
- **A bachelor's degree after a 3-year** (6 semesters) programme of study
- **A 4-year bachelor's degree (honours) after eight semesters** programme of study. If the student completes a rigorous research project in their major area(s) of study in the 4th year of a bachelor's degree (honours with research)
- **NEP 2020 incorporates OBE's choice based credit system** allowing students to tailor their learning paths.

● Main features of the Credit System (CS)

Flexibility to move from one disciplinary area of study to another within the duration of study by securing the required credits in the chosen disciplinary/interdisciplinary area(s) of study

Opportunity for learners to choose the subject / learning area of interest

Facilitating switching to alternative modes of learning (face-to-face, ODL and On-line learning, and hybrid modes of learning)

CCFUP Credit Hours



CCFUP : Curriculum and Credit Framework for Undergraduate Programmes

Credit hours for different types of courses

Three-Credit lecture course in a semester

- Three one-hour lectures per week with each one-hour lecture counted as one credit
- **In a semester of 15 weeks duration, a three-credit lecture course is equivalent to 45 hours of teaching**

One credit for tutorial work

- One hour of engagement per week
- **In a semester of 15 weeks duration, a one-credit tutorial in a course is equivalent to 15 hours of engagement**

One-credit course in Practicum/lab work community engagement & services & fieldwork in a semester

- Two hour engagements per week
- **In a semester of 15 weeks duration, a one-credit practicum in a course is equivalent to 30 hours of engagement**

One-credit of Seminar or Internship or Studio activities or Field practice/projects

- Two hour engagements per week
- **In a semester of 15 weeks duration, a one-credit practicum in a course is equivalent to 30 hours of engagement**

CCFUP Minimum Credit Requirements



CCUFP : Curriculum and Credit Framework for Undergraduate Programmes

Minimum credit requirements to award degree under each category

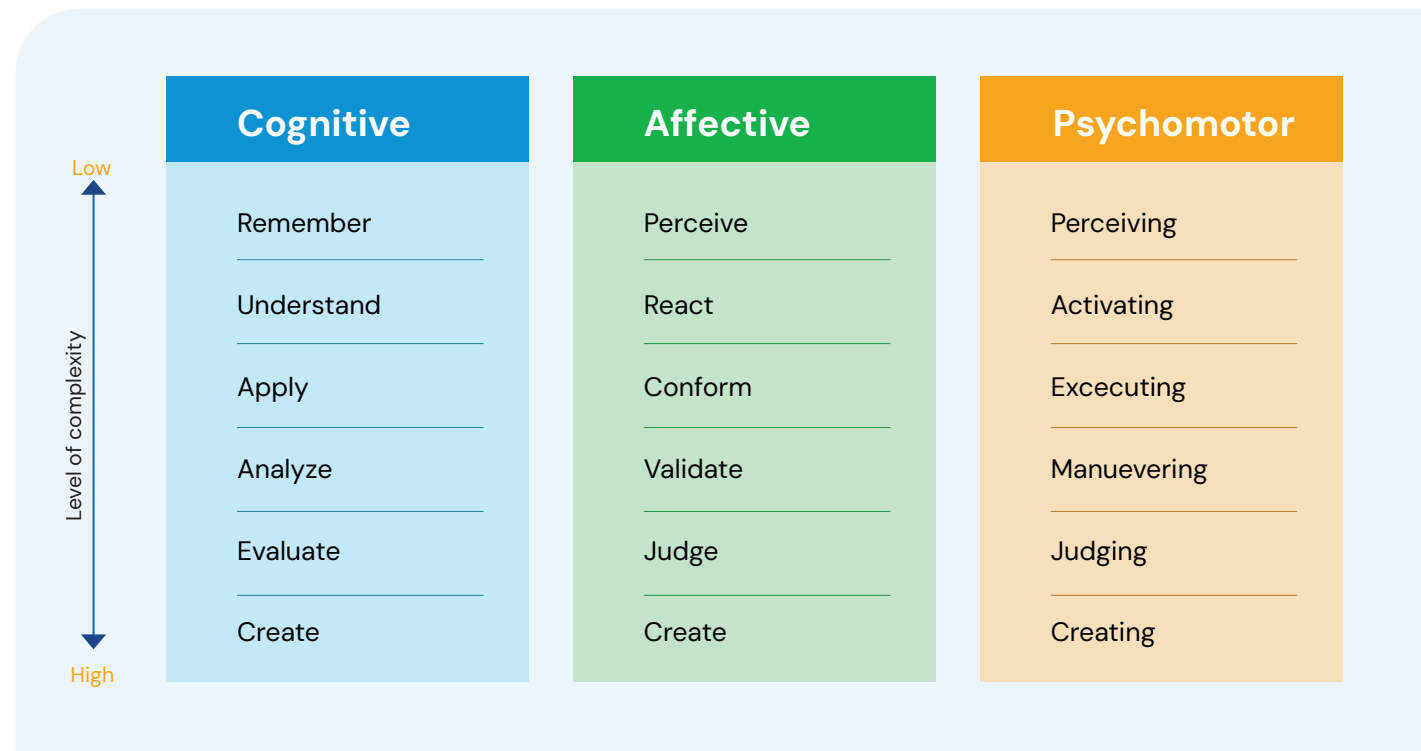
Broad Category of Course	Minimum Credit Requirement	
	3-year UG	4-year UG
Major (Core)	60	80
Minor Stream	24	32
Multidisciplinary	09	09
Ability Enhancement Courses (AEC)	08	08
Skill Enhancement Courses (SEC)	09	09
Value Added Courses common for all UG	06 - 08	06 - 08
Summer Internship	02 - 04	02 - 04
Research Project / Dissertation	-	12
Total	120	160

3 Quadrant Challenges of OBE in NEP 2020



OBE recognizes three learning domains: Cognitive, Psychomotor and Affective

A competent graduate will not only have an adequate knowledge base on a subject but also the skill of doing and the attitude for encountering the reality. So, the challenge of OBE is how to ensure mastery over all three areas such as, knowledge, skill and attitude that are needed for the 21st century. Learning areas are classified by domains and levels.



Verbs in Different OBE Domains Requiring Practical Approach



Cognitive Domain	Remembering	Understanding	Applying	Analysing	Evaluating	Creating
	Matches	Estimates	Applies	Analysis	Compares	Plans
	Selects	Predicts	Computes	Breaks Down	Concludes	Relates
	Recalls	Explains	Prepares	Compares	Describes	Composes
	Identifies	Interprets	Relates	Differentiates	Evaluates	
	Defines		Solves	Illustrates	Explains	
	Describes		Uses	Identifies	Interprets	
				Relates	Justifies	
			Selects			

Affective Domain	Receiving	Responding	Valuing	Organizing	Characterizing
	Chooses	Answers	Completes	Prepares	Performs
	Describes	Complies	Differentiates	Explains	Practices
	Identifies	Discusses	Forms	Formulates	Solves
	Points to	Helps	Justifies	Identifies	Verifies
	Selects	Performs	Reads		Validate
		Practices	Selects		
		Reads	Studies		
	Selects	Works			

Verbs in Different OBE Domains Requiring Practical Approach



Psychomotor Domain	Perceiving	Activating	Excecuting	Manuevering	Judging	Creating
	Perception	Set	Guided Responses	Mechanism	Adaptation	Origination
Describes	Explains	Responds	Constructs	Simulation Setup	Concept Development	
Chooses	Proceeds	Reproduce	Measures	Hands on Analysis	Financial Planning	
Detects	States	Copies	Problem Solving	Decision Making Exercises	Budgeting	
Relates			Planning	Feedback & Iteration	Continuous Improvement	
Selects						



Significance of practical learning within the context of OBE and NEP 2020

- Practical learning's vital role in aligning OBE with NEP 2020
- Fosters experiential learning, skill development, and holistic growth
- Enhances student engagement and intrinsic motivation
- Cultivates innovation, creativity, and entrepreneurship
- Aligns curricula with industry demands and technological advancements
- Facilitates hands-on application of theoretical knowledge
- Equips graduates with essential competencies for dynamic professional environments
- Supports NEP 2020's vision of holistic education

This document is prepared by Nergy India.



Nergy India is a Commerce technology company revolutionizing the commerce education in India for the past 4 years.

Nergy is using the power of technology to innovate tools to make commerce learning experiential through Nergy Vidya. NEP 2020 & OBE Aligned. We have innovated SL & IL Tech tools.

Nergy is the Technology partner of MEPSC & BFSI SSCs, under The Ministry of Skill Development & Entrepreneurship, Govt. of India. Serving as the partner for ICMAI, aiding the practical education side for the students.

Courses given by DU, Kerala uct etc..



Ministry Recommendation

Ministry of Skill Development & Entrepreneurship officially recommended our statutory literacy courses as aligned with the Digital India Mission of the Govt. of India

Approvals & Certifications

- Ministry Approval as Courses derived according to OBE Framework
- NEP 2020 aligned
- Courses approved & registered in NQR
- NOS courses approved by NCVET
- Student certificates from govt. entities
- Courses endorsed by MEPSC /BFSI SSC



SkillingIndia

**Need assistance on aligning
the commerce UG/PG curriculum with NEP 2020
with the aid of Nergy Vidya Practicum?**

contact us at:

+91 7736 038 881 | info@nergyindia.com

www.nergyindia.com | www.nergyvidya.com