The Challenges and Impact of NEP-2020 for Higher Education in Quality Assurance

Session: 29.08.2025

at

SRIDEVI WOMEN'S ENGINEERING COLLEGE

SRIDEVI WOMEN'S ENGINEERING COLLEGE

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In Collaboration With

AKHIL BHARATIYA RASHTRIYA SHAIKSHIK MAHASANGH(ABRSM) , Telangana.

An Expert Talk On

The Challenges And Impact Of NEP-2020 For Higher Education In Quality Assurance

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GUEST SPEAKER
ADVISOR - SWEC

Seminar Hall, A-Block

29.08.2025, 2:30 PM

President of India Medalist | CEO, IIQA | 20+ yrs in Higher Ed & Quality Assurance | LLB, LLM (Constitutional Law), PhD | IIM Ahmedabad Alumnus | Visiting Prof, University of the Pacific | Attended AI & CSE workshops at MIT, Harvard, UC Berkeley, Stanford, Yale & LSE | Led NAAC, NBA, NIRF, ABET, UGC Autonomous & ISO Accreditations

Tama soma jyotirgamaya

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IIQA VISITS 2025
FOREIGN UNIVERSITIES

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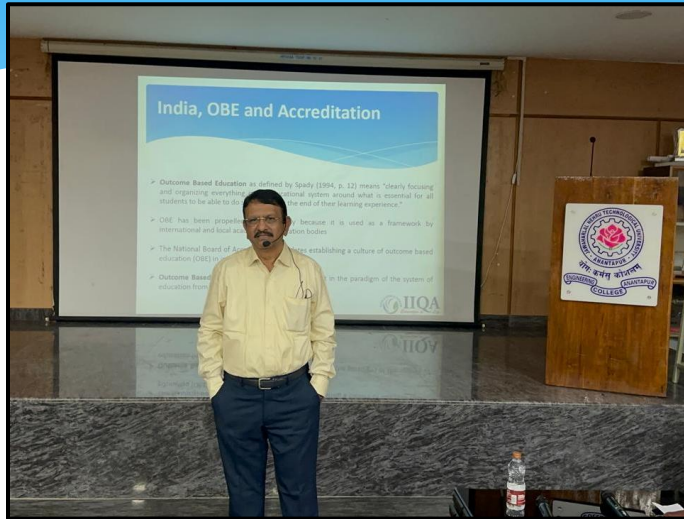
IIQA VISITS 2025
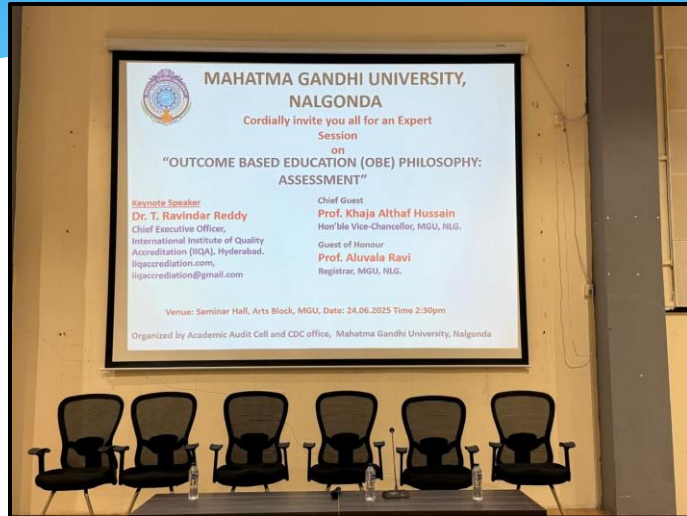## FOREIGN UNIVERSITIES

IIQA VISITS 2025
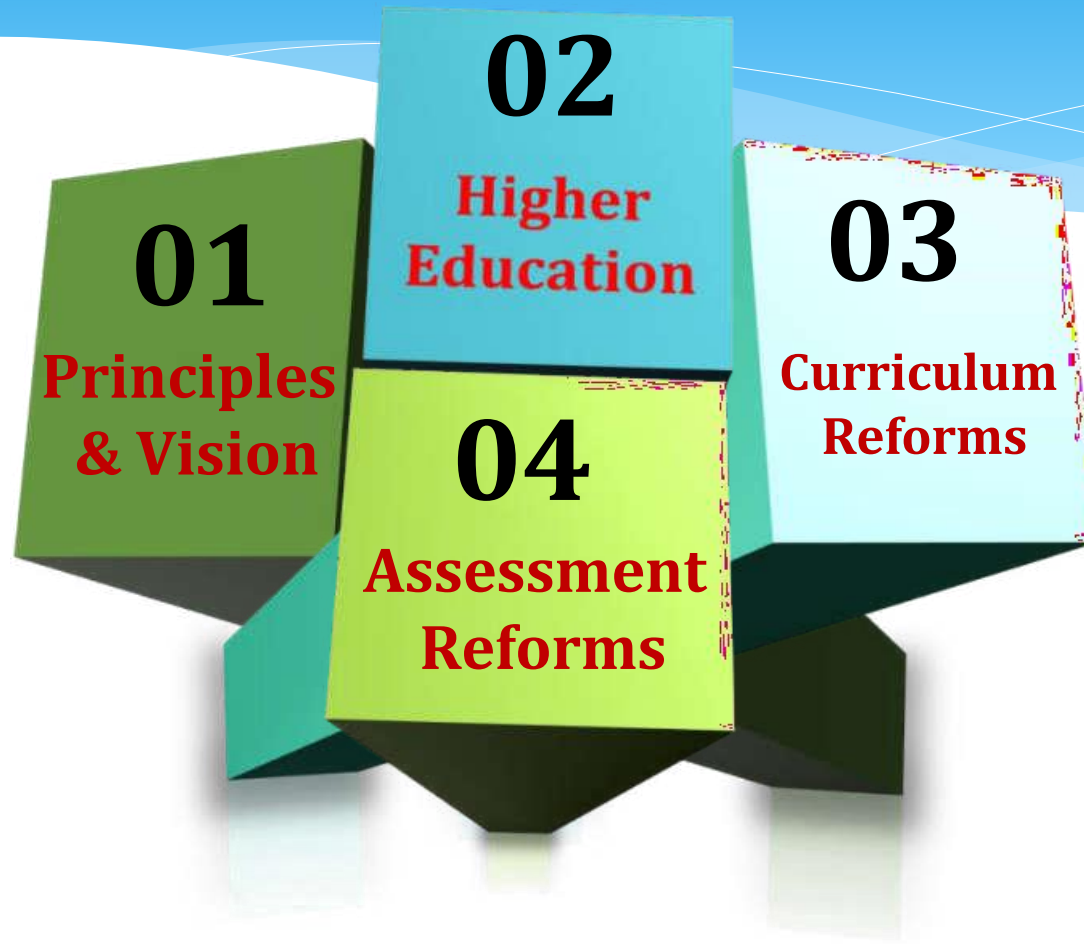# FOREIGN UNIVERSITIES

IIQA VISITS 2024-25

IIQA VISITS 2024-25

IIQA VISITS 2024-25

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NEP-2020: Principles & Vision

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NEP-2020 : Other areas of focus

NEP-2020 : Making it happen

NEP-2020
Principles & Vision

NEP : 2020

Approved by the Union Cabinet of India on 29 July 2020 to look for many transformative changes in Indian education system

Outlines the vision of India's new education system. NEP will lay the foundation for 21st century India

Improvement in quality of higher educational institutes which will be at par with the global standards.
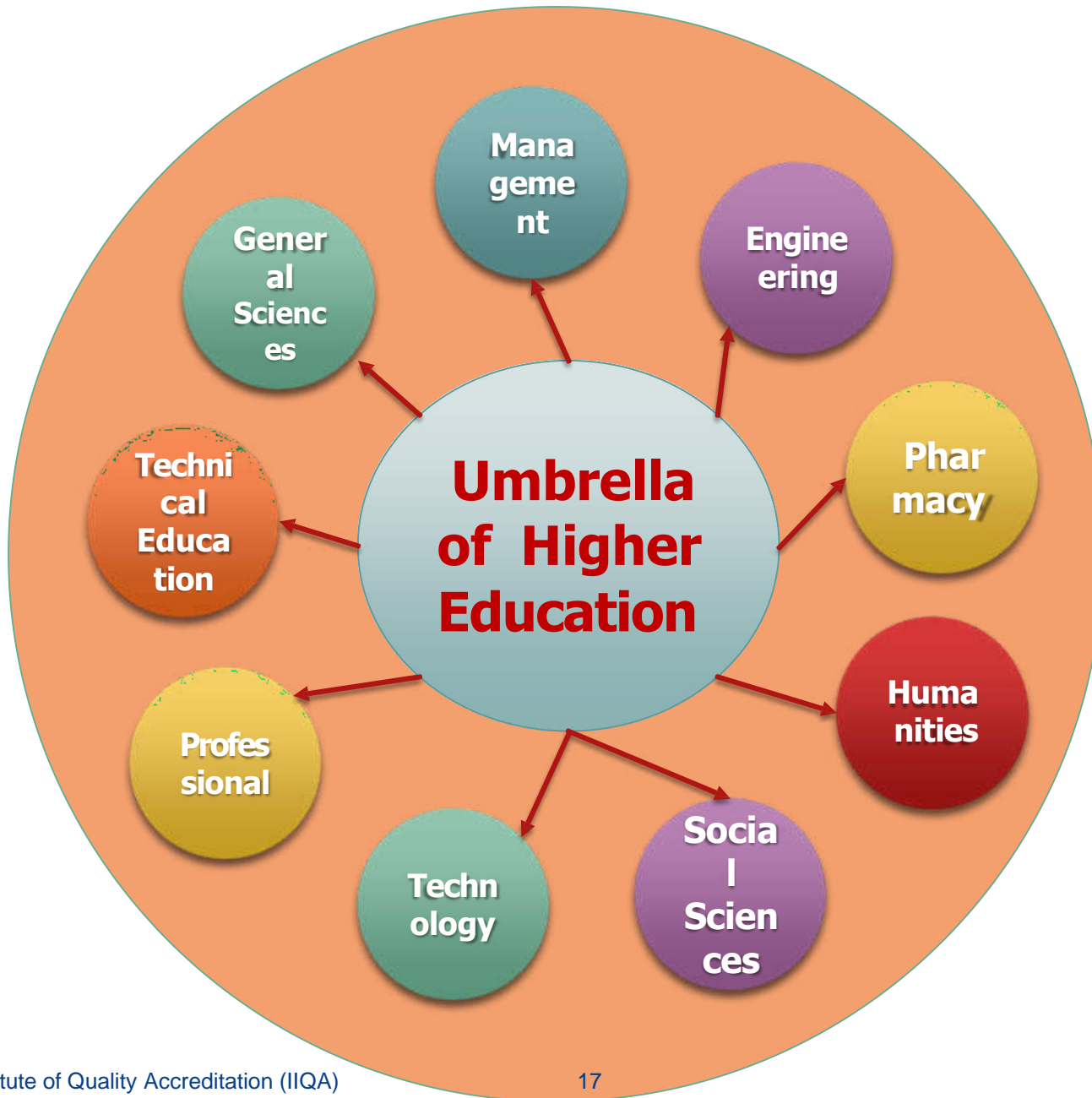
NEP : 2020

Vision of New Education System of India for School Education and Higher Education

The aim is to overhaul the country's education system.

Bring about major reforms in education in India

The aim is to achieve 100% youth and adult literacy

NEP- 2020 : Principles

Recognizing, identifying, and fostering the unique capabilities of each student, by sensitizing teachers as well as parents to promote each student's holistic development in both academic and non-academic spheres;

Achieving Foundational Literacy and Numeracy by all students by Grade 3;

Flexibility, so that learners have the ability to choose their learning trajectories an programmes, and thereby choose their own paths in life according to their talents and interests;

NEP- 2020 : Principles

No hard separations between arts and sciences, between curricular and extra-curricular activities, between vocational and academic streams, etc. in order to eliminate harmful hierarchies among, and silos between different areas of learning;

Multidisciplinary and a holistic education across the sciences, social sciences, arts, humanities, and sports for a multidisciplinary world in order to ensure the unity and integrity of all knowledge;

NEP- 2020 : Principles

Emphasis on conceptual understanding rather than rote learning and learning-for-exams;

Creativity and critical thinking to encourage logical decision-making and innovation;

Ethics and human & Constitutional values like empathy, respect for others, cleanliness, courtesy, democratic spirit, spirit of service, respect for public property, scientific temper, liberty, responsibility, equality, and justice;

NEP- 2020 : Principles

Promoting multilingualism and the power of language in teaching and learning;

Life skills such as communication, cooperation, teamwork, and resilience;

Focus on regular formative assessment for learning rather than the summative assessment that encourages today's coaching culture;

NEP- 2020 : Principles

Extensive use of technology in teaching and learning, removing language barriers, increasing access for *Divyang* students, and educational planning and management;

Respect for diversity and respect for the local context in all curriculum, pedagogy, and policy, always keeping in mind that education is a concurrent subject;

Full equity and inclusion as the cornerstone of all educational decisions to ensure that all students are able to thrive in the education system;

NEP- 2020 : Principles

Synergy in curriculum across all levels of education from early childhood care and education to school education to higher education;

Teachers and faculty as the heart of the learning process – their recruitment, continuous professional development, positive working environments and service conditions;

NEP- 2020 : Principles

Light but tight' regulatory framework to ensure integrity, transparency, and resource efficiency of the educational system through audit and public disclosure while encouraging innovation and out-of-the-box ideas through autonomy, good governance, and empowerment;

Outstanding research as a requisite for outstanding education and development;

Continuous review of progress based on sust ained research and regular assessment by educational experts;

NEP- 2020 : Principles

A rootedness and pride in India, and its rich, diverse, ancient and modern culture and knowledge systems and traditions;

Education is a public service; access to quality education must be considered a basic right of every child;

Substantial investment in a strong, vibrant public education system as well as the encouragement and facilitation of true philan thropic private and community participation.

NEP – 2020: Vision

Transform India into an equitable and vibrant knowledge society, by providing high-quality education to all, and thereby making India a global knowledge superpower

Curriculum and pedagogy of our institutions must develop among the students a deep sense of respect towards the Fundamental Duties and Constitutional values, bonding with one's country, and a conscious awareness of one's roles and responsibilities in a changing world.

NEP – 2020: Vision

Instill among the learners a deep-rooted pride in being Indian, not only in thought, but also in spirit, intellect, and deeds, as well as to develop knowledge, skills, values, and dispositions that support responsible commitment to human rights, sustainable development and living, and global well-being, thereby reflecting a truly global citizen.

NEP-2020
Higher Education

Higher Education

Institutional Restructuring and Consolidation

Quality Universities and Colleges: A New and Forward-looking Vision for India's Higher Education System

Higher Education

Towards a More Holistic and Multidisciplinary Education

Motivated, Energized and Capable Faculty

Optimal Learning Environments and Support for Students

Higher Education
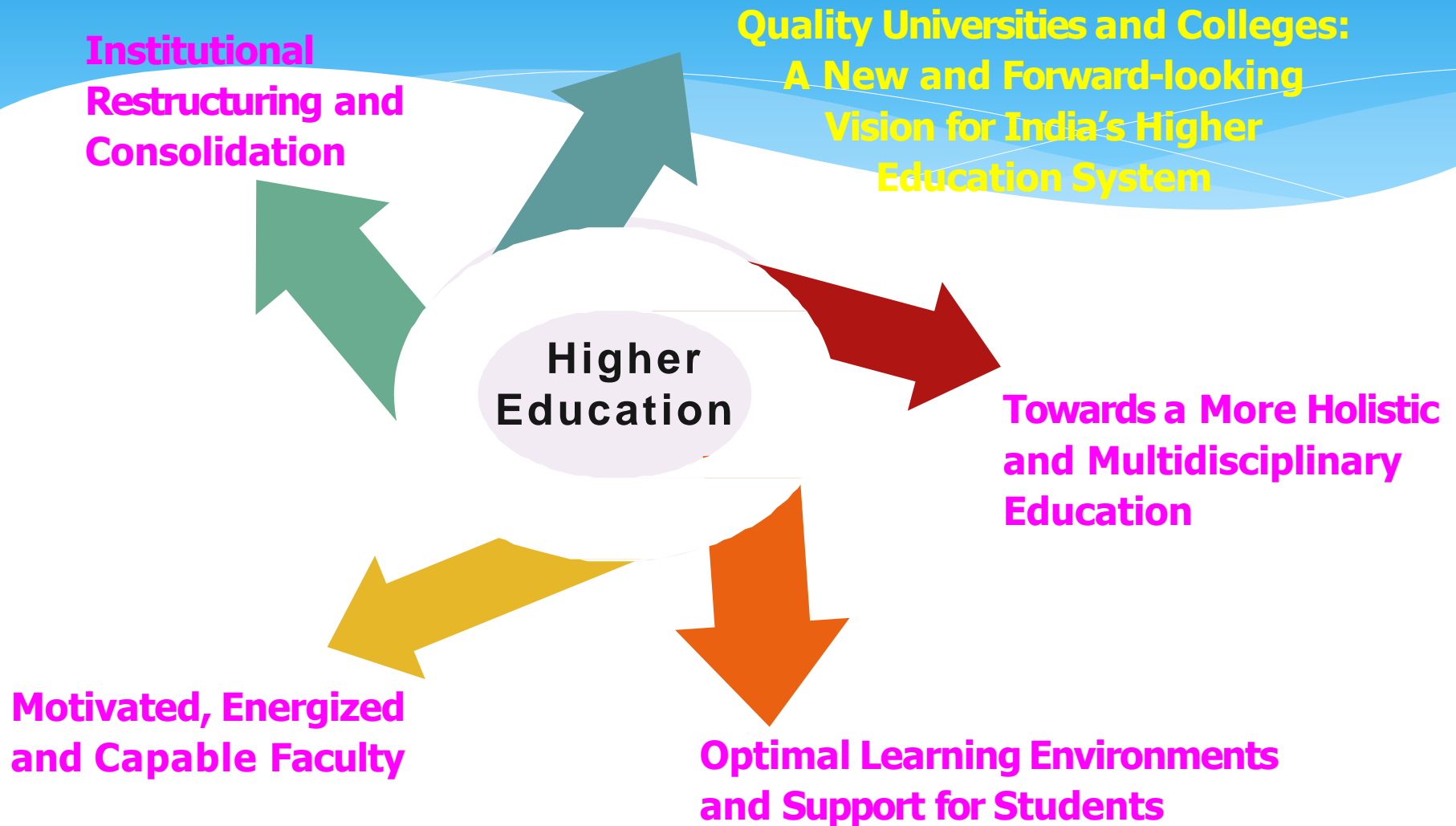
Equity and Inclusion in Higher Education

Effective Governance and Leadership for Higher Education Institutions

Teacher Education

Higher Education

Transforming the Regulatory System of Higher Education

Re-imagining Vocational Education

Catalyzing Quality Academic Research in all Fields through a New National Research Foundation

NEP: Curriculum Framework

NEP: Curriculum Framework

Curriculum is the foundation of education and provides direction for instruction

Curriculum is a key driver of the entire instructional system encompassing teaching-learning/Pedagogy and assessment sub-systems. Assessment is an integral part of instruction

NEP: Curriculum Framework

Innovative and responsive curriculum

Curriculum Framework talks about National Education (NE) , which is an important component of C C E . It aims to develop national cohesion, cultivate the instinct for survival as a nation and instil in our students, confidence in our nation's future.
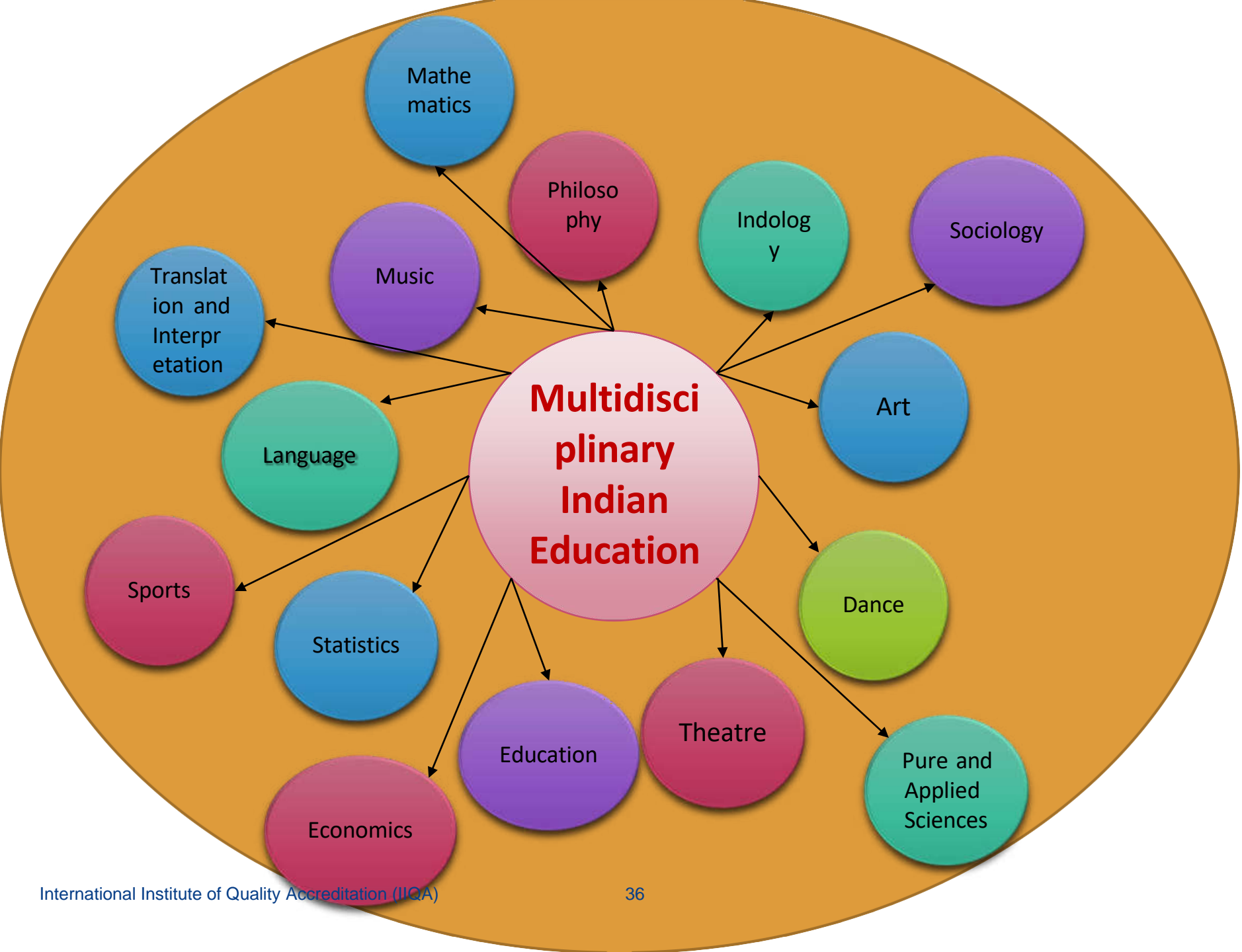
NEP: Curriculum Framework

Access	Equity	Quality	Accountability
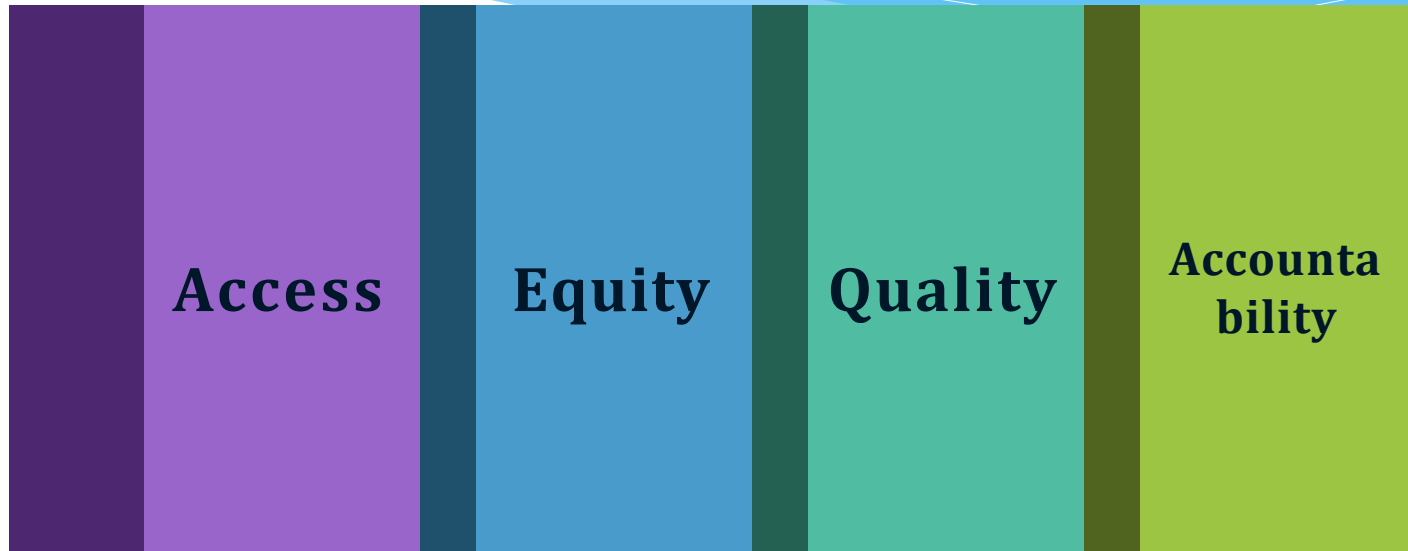
Four Pillars of NEP

NEP: Curriculum Framework

Curriculum provide directions for Industrial Revolution 4.0 and hence is a way of describing the blurring of boundaries between the different discipline/ programmes under Engineering, Technology, Humanities, Social Science, General Sciences, Management, Pharmacy, Vocational Education, General Education etc. under the umbrella of HE to promote multi disciplinary education and universities

NEP: Curriculum Framework

- **Multidisciplinary and a holistic education** .
- **Thin boundaries of separation of discipline.**
- **Multidisciplinary teaching and research. Focus on integration of all schools/discipline of learning like Humanities, General Sciences, Social Sciences, Engineering, Technology, Management, Pharmacy, Liberal Arts amongst themselves as per the requirement of Multi Tasking jobs and individuals interest areas.**

NEP: Curriculum Framework

Integration of Emerging Technology Courses

Artificial Intelligence (AI)

Robotics

Internet of Things (IOT)

3D Printing

Genetic Engineering

Quantum Computing

Other Technologies applicable in multidisciplinary/ cross section of the Programme
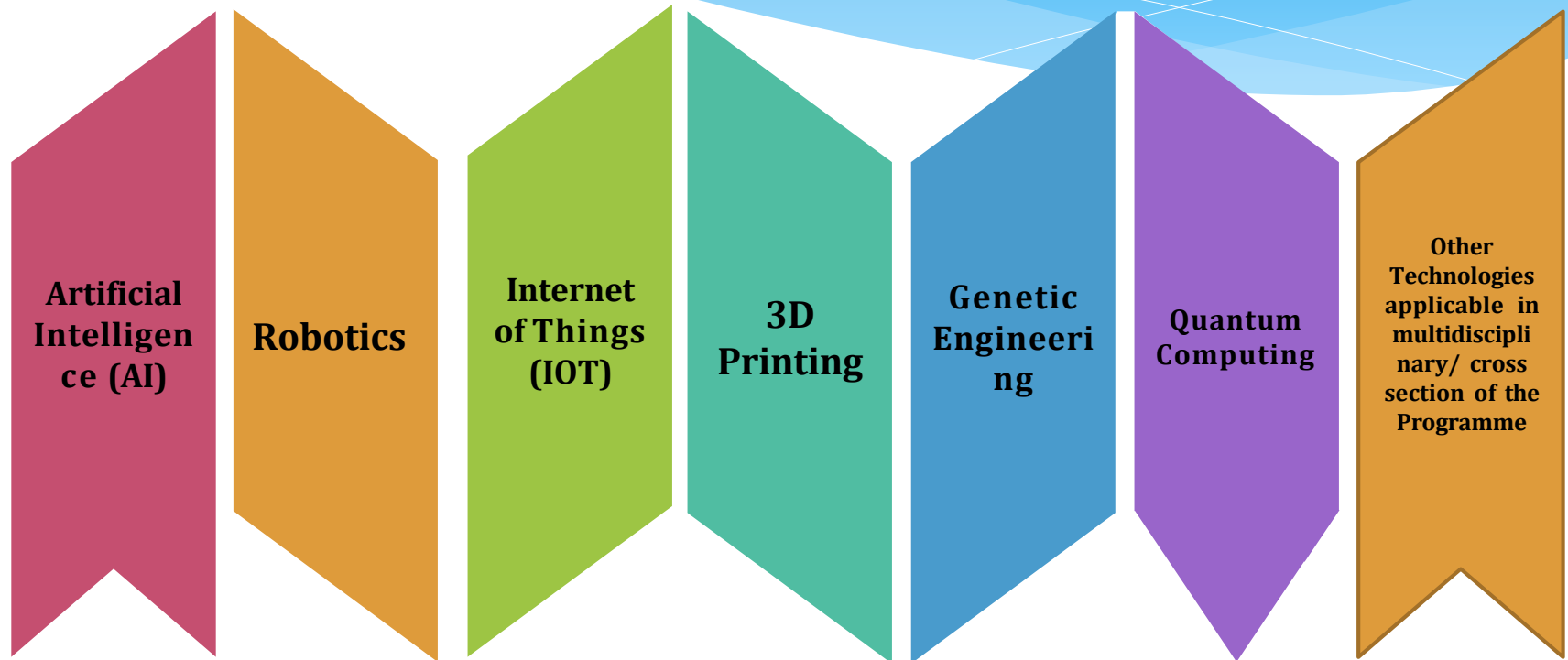
NEP: Curriculum Framework

Emphasis of development of learning outcomes for cognitive, psychomotor and affective domain.

Embedding entrepreneurship development for orienting and enhancing self employment awareness, which ultimately will enable them economic independent.

NEP: Curriculum Framework

Holistic development or continuous and comprehensive development of all individuals.

Study one or more specialized areas of interest at a deep level, and also develop character, ethical and Constitutional values, intellectual curiosity, scientific temper, creativity, spirit of service, and 21^s century capabilities across a range of disciplines including sciences, social sciences, arts, humanities, languages, as well as professional, technical, and vocational subjects.

NEP: Curriculum Framework

Embedding soft skills like leadership creativity analytical abilities, communication skills, values, attitudes for preparing students to develop social skills to contribute effectively and efficiently at home, society and also towards his/her profession.

Focus on use of developing learning material in regional languages. Promoting multilingualism and the power of language in teaching and learning;
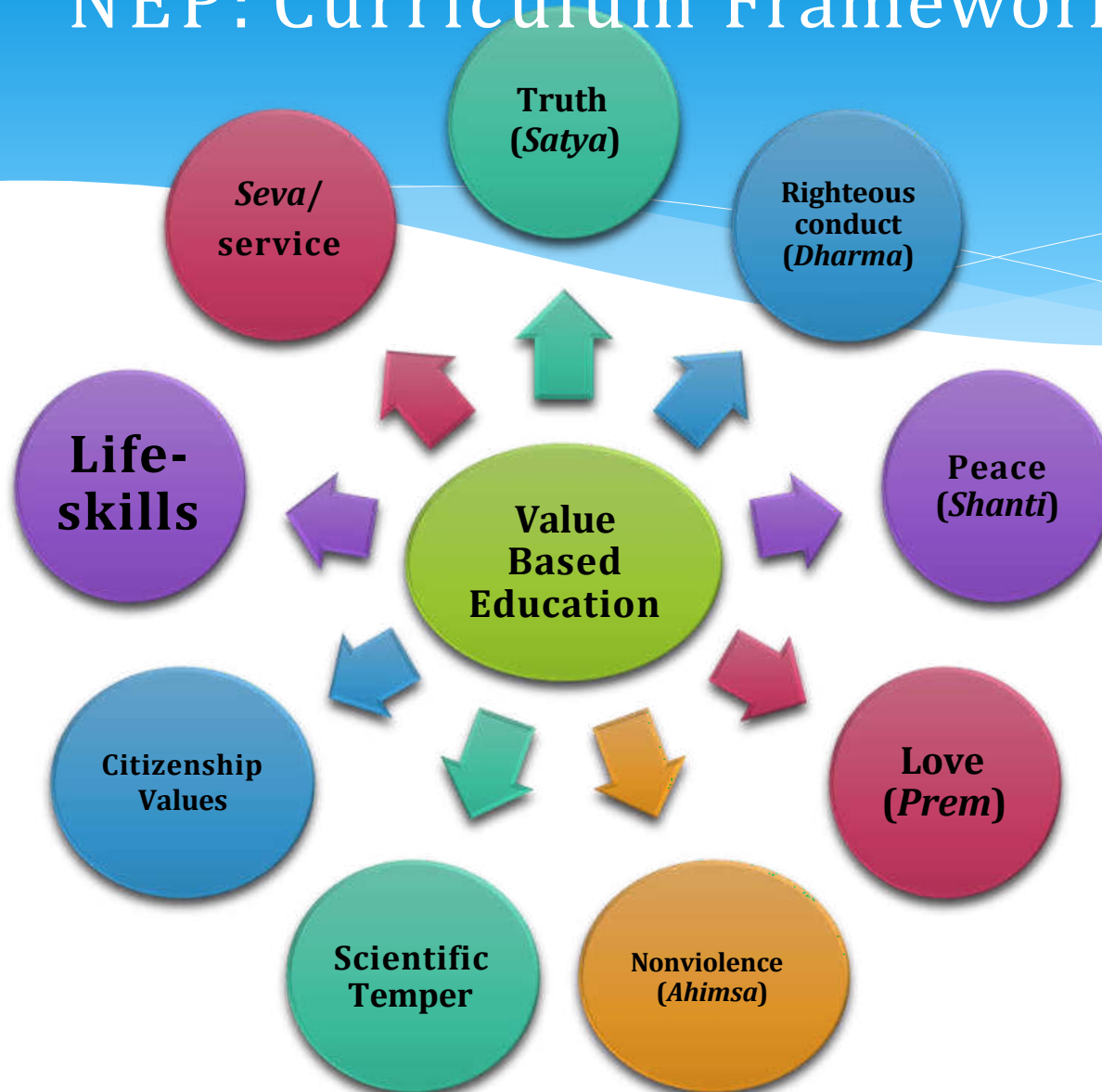
NEP: Curriculum Framework

Focus on development of effective teaching, learning, integration of technology using ICT based tools.

Moving towards faculty and institutional autonomy;

Revamping curriculum, pedagogy, assessment, and student support for enhanced student experiences

NEP: Curriculum Framework

Value Based Education

- Truth (*Satya*)
- Righteous conduct (*Dharma*)
- Peace (*Shanti*)
- Love (*Prem*)
- Nonviolence (*Ahimsa*)
- Scientific Temper
- Citizenship Values
- Life-skills
- *Seva*/service

NEP: Curriculum Framework

Establishment of a National Research Foundation to fund outstanding peer-reviewed research and to actively seed research in universities and colleges. Will act as peak body that will foster strong research culture and build research capacity covering higher education

Governance of HEIs by high qualified independent boards having academic and administrative autonomy;

"Light but tight" regulation by a single regulator for higher education;

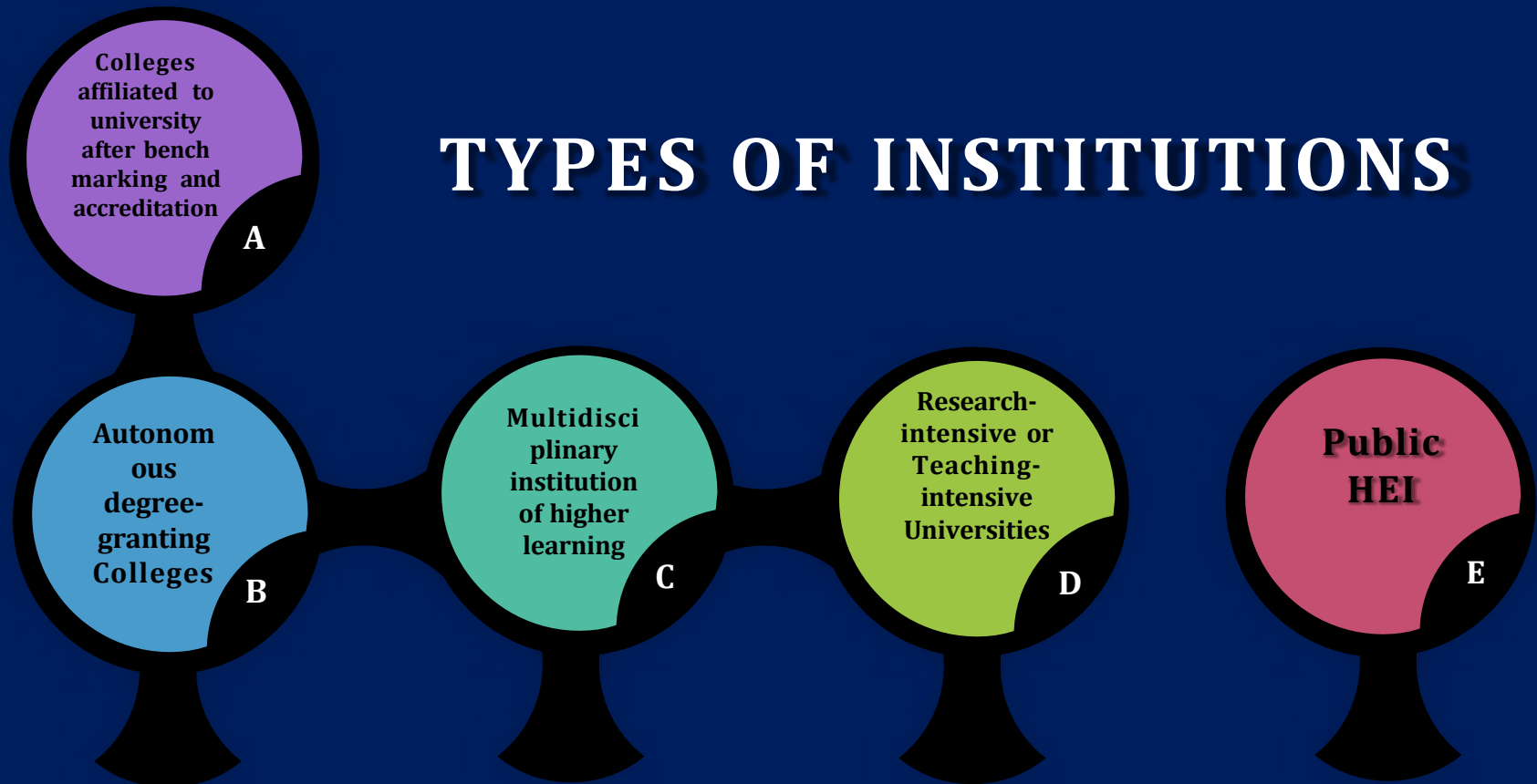Life skills such as communication, cooperation, teamwork, and resilience;

NEP: Curriculum Framework

Phasing out single stream HEI to vibrant multidisciplinary institutions to encourage high-quality multidisciplinary and cross-disciplinary teaching and research across fields.

Phasing out the system of affiliated colleges. After suitable accreditation benchmark, academic administrative, financial reforms , they may be converted into autonomous degree granting colleges.Will be granted graded autonomy in phased manner.

Academic, administrative and financial autonomy (with public financial support) with suitable accreditation

NEP:Curriculum Framework

TYPES OF INSTITUTIONS

A — Colleges affiliated to university after bench marking and accreditation

B — Autonomous degree-granting Colleges

C — Multidisciplinary institution of higher learning

D — Research-intensive or Teaching-intensive Universities

E — Public HEI

Supporting other HEIs in their development, community engagement and service, contribution to various fields of practice, faculty development for the higher education system, and support to school education.

Creation of vibrant multidisciplinary communities

NEP: Curriculum Framework

Flexible Curricular Structure : Imaginative and flexible curricular structures with combination of disciplines with multiple entry and exit system and creating new possibilities for life-long learning.

Research Specialization : Rigorous research-based specialization for multidisciplinary work in academia, government, and industry.

Internships/Industrial Training : Practical experiences with local industry, businesses, artists, crafts persons

NEP: Curriculum Framework

Credit-based courses and projects : Areas related to community engagement and service, environmental education, and value-based education. Environment education will include areas such as climate change, pollution, waste management, sanitation, conservation of biological diversity, management of biological resources and biodiversity, forest and wildlife conservation, and sustainable development and living.

Value-based education : Development of humanistic, ethical, Constitutional, and universal human will be considered an integral part of a holistic education.

NEP: Curriculum Framework

Multidisciplinary Education and Research Universities (MERUs) will be set up and will aim to attain the highest global standards in quality education ,at par with IITs, IIMs, etc.

Research and Innovation : focus on research and innovation by setting up start-up incubation centres; technology development centres;

NEP: Curriculum Framework

Inclusion of co-curricular and extra curricular activities : Counselling Support : to ensure physical, psychological and emotional well-being.

Support system for ODL : Norms, standards, and guidelines for systemic development, regulation, and accreditation of ODL will be prepared, and a framework for quality of ODL that will be recommendatory for all HEIs will be developed.

NEP: Curriculum Framework- Motivated Teachers

Student-teacher ratios not too high

Ensuring happy, enthusiastic, engaged, and motivated faculty

Faculty will be appointed to individual institutions and not to be transferred across institutions to ensure their commitment for institution and community.

Freedom to adopt innovative pedagogical approaches, prepare learning, assignments etc. Assessment during T-L. Empowering the faculty to conduct innovative teaching, research, and services.

Provision of rewards, promotions, recognitions, and movement into institutional leadership as incentive for excellent performance.

Effective and Efficient Leaders
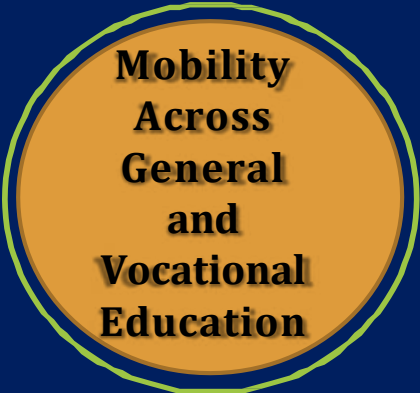
NEP: Curriculum Framework- Motivated Teachers

Urgent need to raise standards and restore integrity, credibility, efficacy, and high quality to the teacher education system.

Multidisciplinary, and integrated teacher education programmes shall be in force.

The use of technology platforms such as SWAYAM/DIKSHA for online training of teachers.

NEP: CURRICULUM FRAMEWORK

Mobility Across General and Vocational Education

Vocationalization of Higher Education and skills development

 The National Skills Qualifications Framework clarity on credits, credit transfer, vertical and horizontal mobility amongst across general and vocational education. MOE will constitute a National Committee for the Integration of Vocational Education (NCIVE)

NEP: Curriculum Framework

- **Professional Standard Setting Bodies (PSSBs) : PSSBs would help in specifying the curriculum framework, within which HEIs may prepare their own curricula, set the standards or expectations in particular fields of learning and practice**

- **Integration of humanities and arts, with science, technology, engineering and mathematics (STEM), Now STEAM**

NEP: Curriculum Framework

Higher Education Commisssion of India(HECI) -Will only be the body for entire HE except medical and legal education, with four verticals, within its umbrella-

1 **NHERC-National Higher Education Regulatory Council- will be single point regulator for HE**

2 **NAC-National Accreditation Council-for accreditation of institutions based on quality, self- governance and autonomy.**

NEP: Curriculum Framework

Higher Education Commisssion of India(HECI)

3

HEGC-Higher Education Grant Council for funding and financing to higher education.

4

GEC-General Education Council- for standard setting and frame LO (GA) for higher education programme.
Formation of National Higher Education Qualification Framework (NHEQF) in syn with National Skills Qualification Framework(NSQF) to ease the integration of HE with Vocational education

NEP: Curriculum Framework

- **Flexible curricular structure with combination of discipline**
- **Multipoint entry, Multipoint exit**
- **Choice Based Credit System(CBCS)**
- **Opportunities for life long learning**
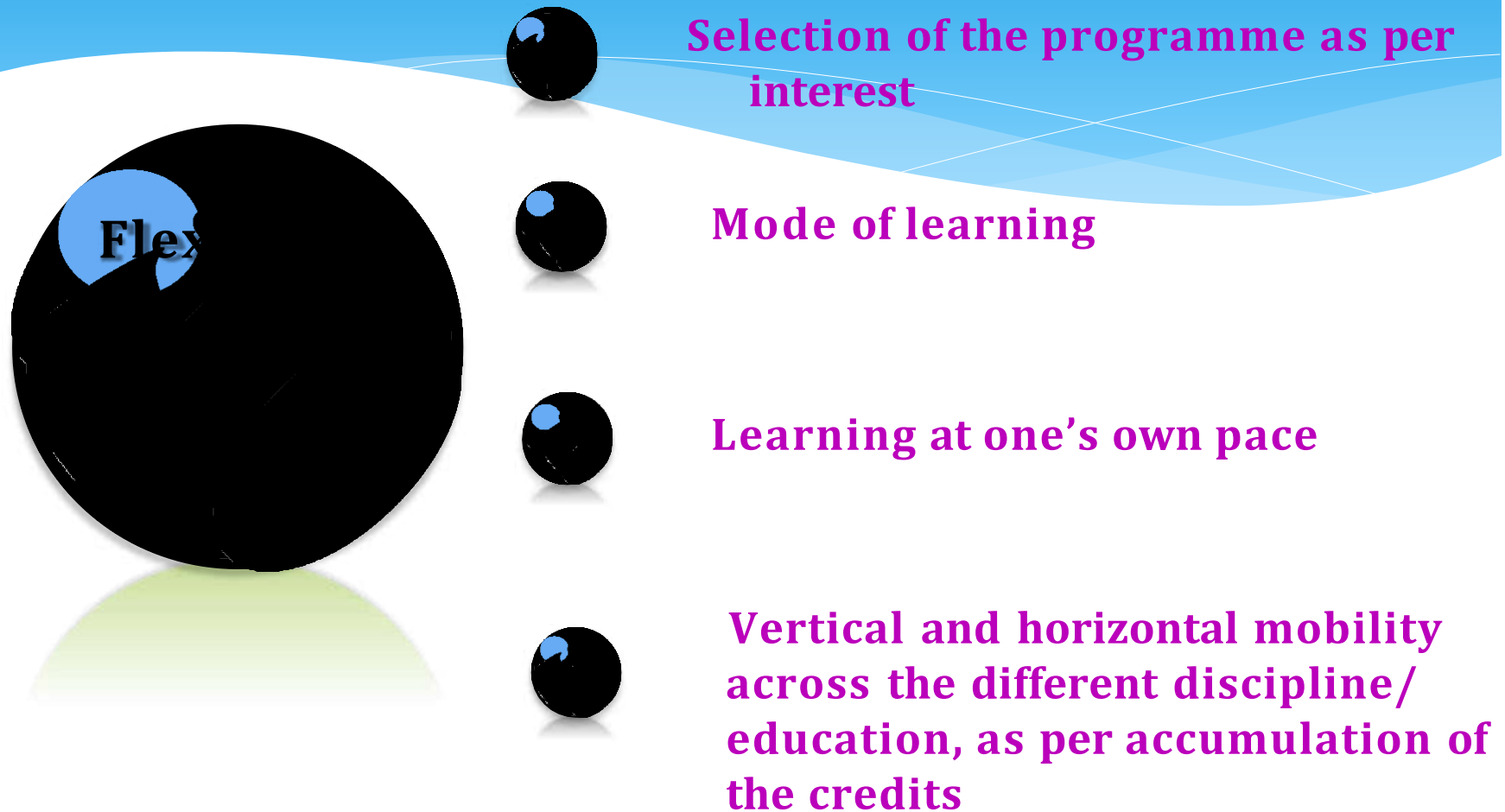- **Accumulation of credits (Academic Bank of Credit shall be established)**
- **Duration of the programme**
- **Choice of the programme**

NEP: Curriculum Framework

Selection of the programme as per interest

Mode of learning

Learning at one's own pace

Vertical and horizontal mobility across the different discipline/ education, as per accumulation of the credits

Flex

NEP: Curriculum Framework

At PG level Advanced research oriented courses may be included with flexibility of no fix content & open labs

The curriculum should includes open electives courses to develop soft skills, professional courses on cutting edge technology, multidisciplinary open labs, community based social projects.

NEP: Curriculum Framework

Few courses/semester may be offered in collaboration with overseas universities

Emphasis in given on Modern tool usage to make globally competent graduate

NEP: Curriculum Framework

Emphasis on self employment and start ups by inclusion of courses (entrepreneurship, project management , etc.), industrial visits, expert lectures, workshops and Higher order labs in the curriculum.

Use of various innovative instructional and implementation strategies like PBL, Case based learning methods & promoting use of online recourses for developing (higher level of cognitive, psychomotor and affective domain abilities) analytical, creative and critical abilities.

NEP: Curriculum Framework

Inclusion of professional elective courses, Higher order labs and enhanced engagement of industry at UG and PG level to widen skills so as to cope up the requirement of world of work in line with IR 4.0.

Integration of emerging technologies such as AI. ML, AR, VR, IOT, Data science and analytics etc. appropriately.

Inclusion of Open Elective Courses specially related to Pedagogy as special feature/course in the curriculum.

NEP: Curriculum Framework

Inclusion of Mandatory Audit courses on environment, ethics, Indian culture and civilisation, IKS, Indian Constitution for overall development of scholars as per AICTE and NEP guidelines

Integration of industrial training /internships in semester gaps and capstone project (major project) in each programme.

Inclusion of micro projects, assignments and other student centered activities like seminars, surveys, interviews of practicing professionals in each course to cope up with the requirement of outcome attainment.

NEP: Curriculum Framework

Implementation of some of the courses through Online/MOOC courses to enhance self learning and life long learning abilities.

Focus on development of advanced knowledge & specific skills required for IR4.0 through proposed Centre of Excellence (COE), industry supported labs and professional core and elective courses.

Inbuilt mechanism for regular upgradation of curriculum by involving all stake holders and education auditors.

Challenges Ahead

Challenges Ahead

Standardized, consistent, nationally acceptable outcomes of different programmes across the country through national curricular framework.

Global Mobility
Flexibility for life long learning
Recognition of prior learning (RPL)

Need for different meticulous sub-systems of (teaching, learning, Curriculum, padagogy and assessment)

Establishing pathways for horizontal and vertical mobility amongst the NHEQF and NSQF. Finetuning the structure and framework of the Higher Education Commission of India (HECI)

Challenges Ahead

Fragmented higher educational ecosystem;

Limited access particularly in socio-economically disadvantaged areas, with few HEIs that teach in local languages

Limited teachers and institutional autonomy

Challenges Ahead

Inadequate mechanisms for merit-based career management and progression of faculty and institutional leaders;

Lesser emphasis on research at most universities and colleges, and lack of competitive peer reviewed research funding across disciplines;

An ineffective regulatory system;

Large affiliating universities resulting in low standards of undergraduate education
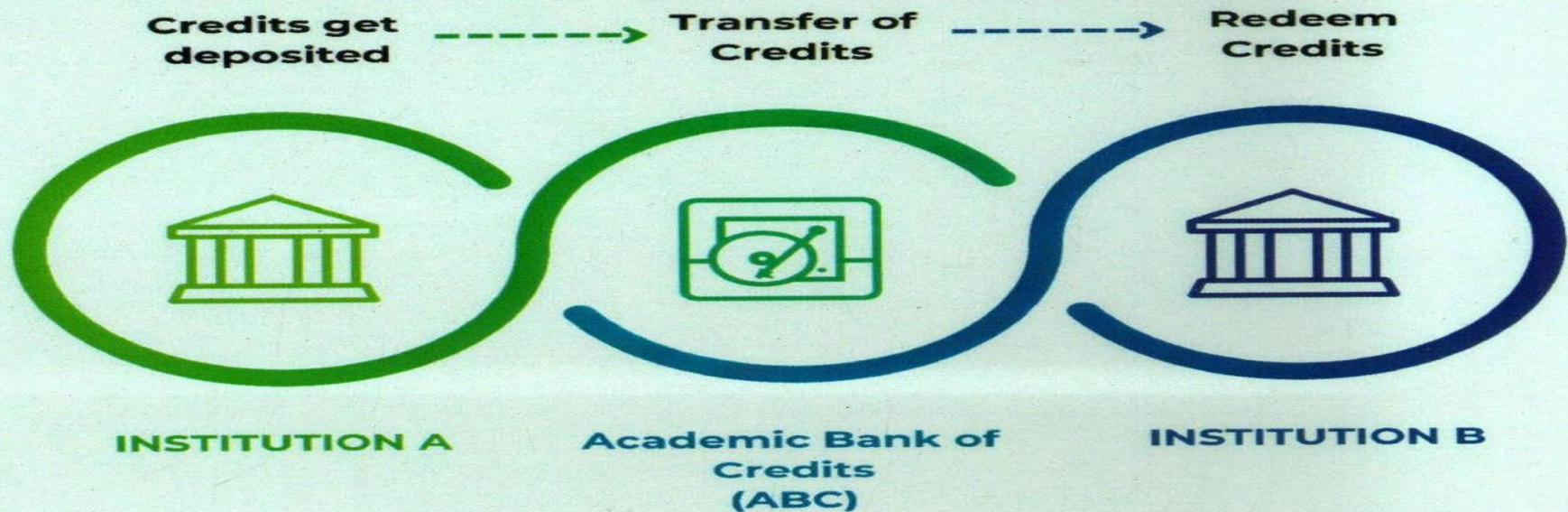
Holistic & Multidisciplinary Education
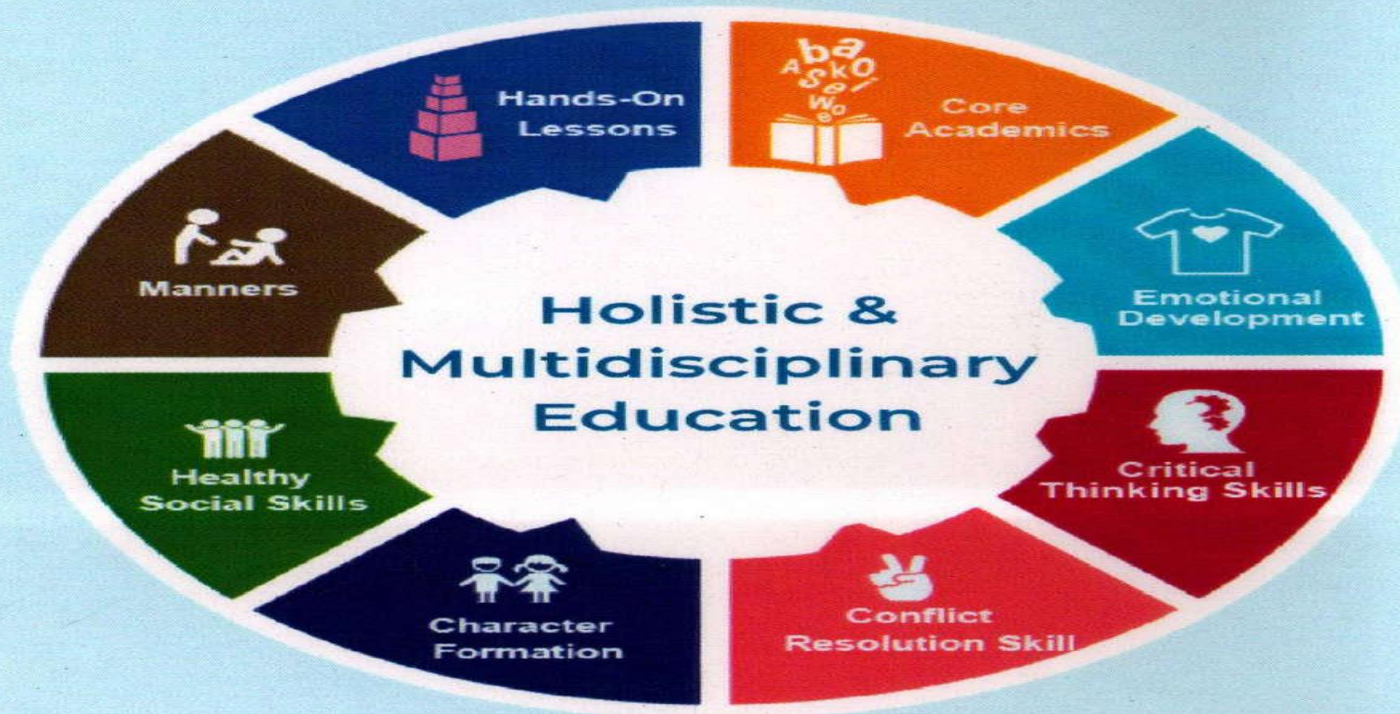
> A Holistic and Multidisciplinary Education would aim to develop desired qualities in human beings that possess critical 21st century capabilities in the fields across the arts, humanities, languages, sciences, social sciences, soft skills including professional, technical, and vocational fields.

Revamping Curriculum, Pedagogy, Assessment, and Student Support
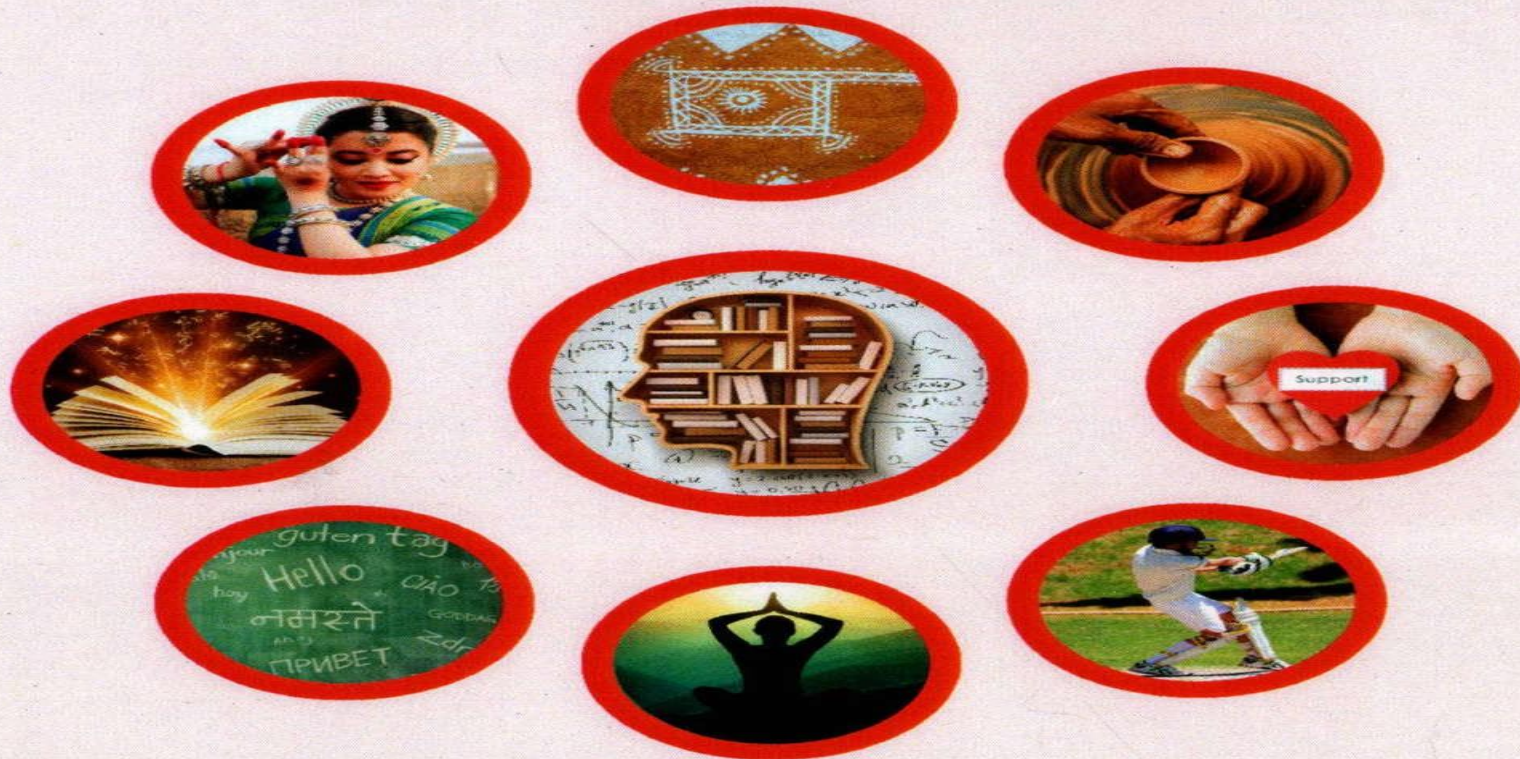

Curriculum

Pedagogy

Assessment

Student Support
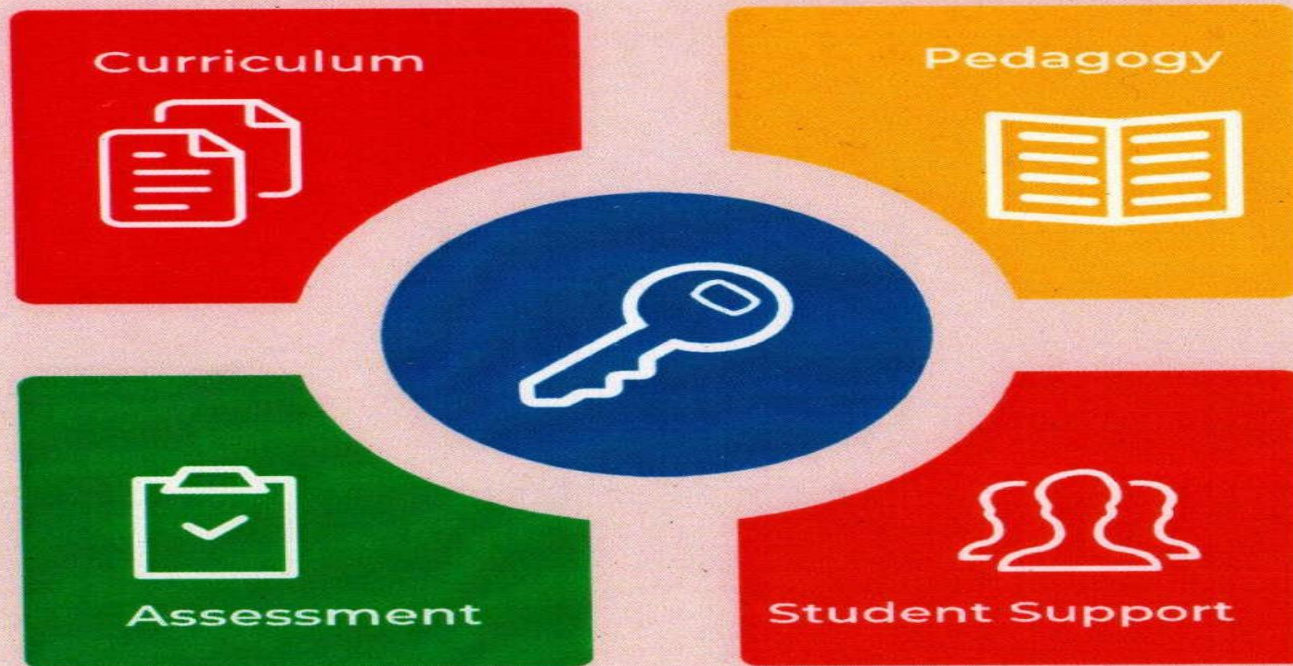
❞ **NEP advocates outcome-based curriculum and criterion-based grading system for assessment, with appropriate student centric pedagogical approaches. It also emphasizes to design curriculum based on community connect, 21st century skills etc. including providing adequate student support system.**

National Credit Framework and Academic Bank of Credits (ABC)

Credits get deposited ------> Transfer of Credits ------> Redeem Credits

**INSTITUTION A**   **Academic Bank of Credits (ABC)**   **INSTITUTION B**

"An Academic Bank of Credits (ABC) has been established which would digitally store the credits so that the degrees can be awarded by various recognized HEIs considering the credits earned. Credits awarded to a student for one program from an institution may be transferred by another institution upon student's consent, which is the key to the student's mobility.

Inclusion of Liberal Arts in the Higher Education Curriculum

"The curriculum of HEIs include basic Arts, Crafts, Humanities, Games, Sports and Fitness, Languages, Literature, Culture, and Values, in addition to Science and Mathematics, to develop all aspects of learners' brains and make education more well-rounded, useful, and fulfilling to the learner.

Indian Knowledge System in the programmes offered by HEIs
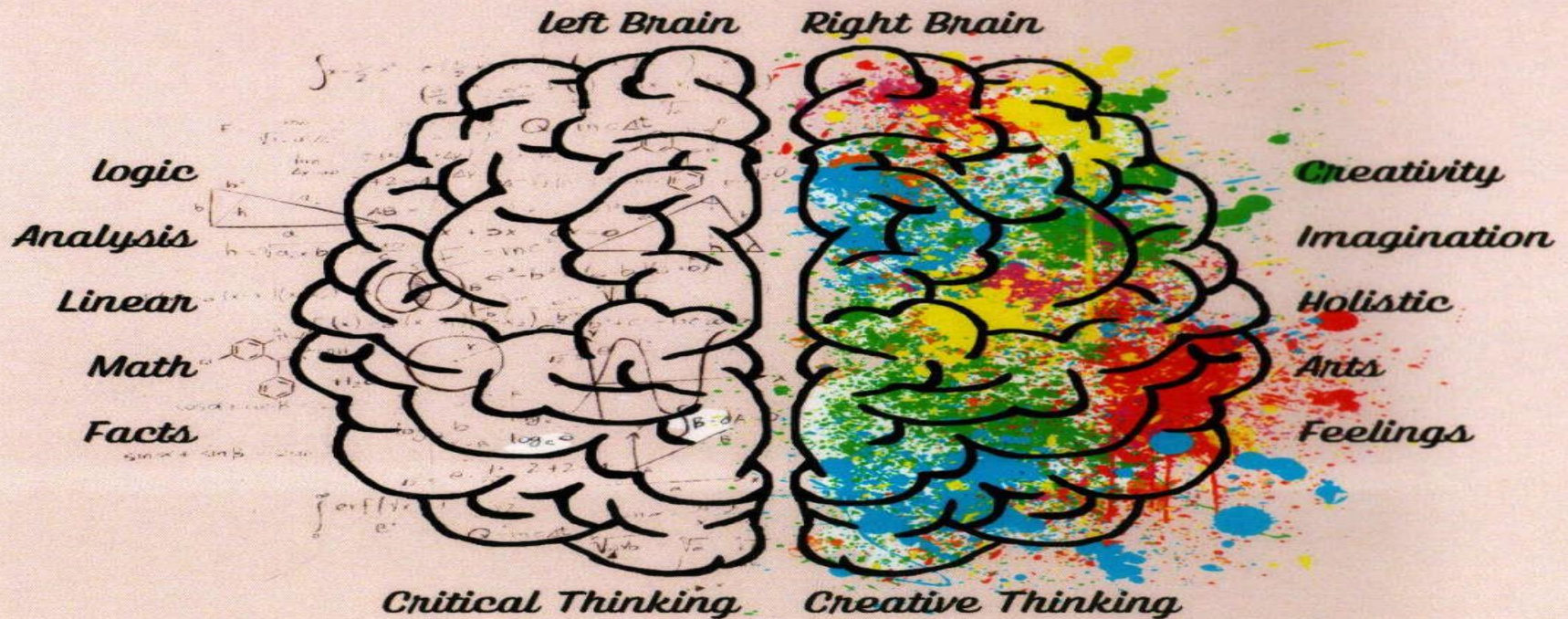
Indian Knowledge System
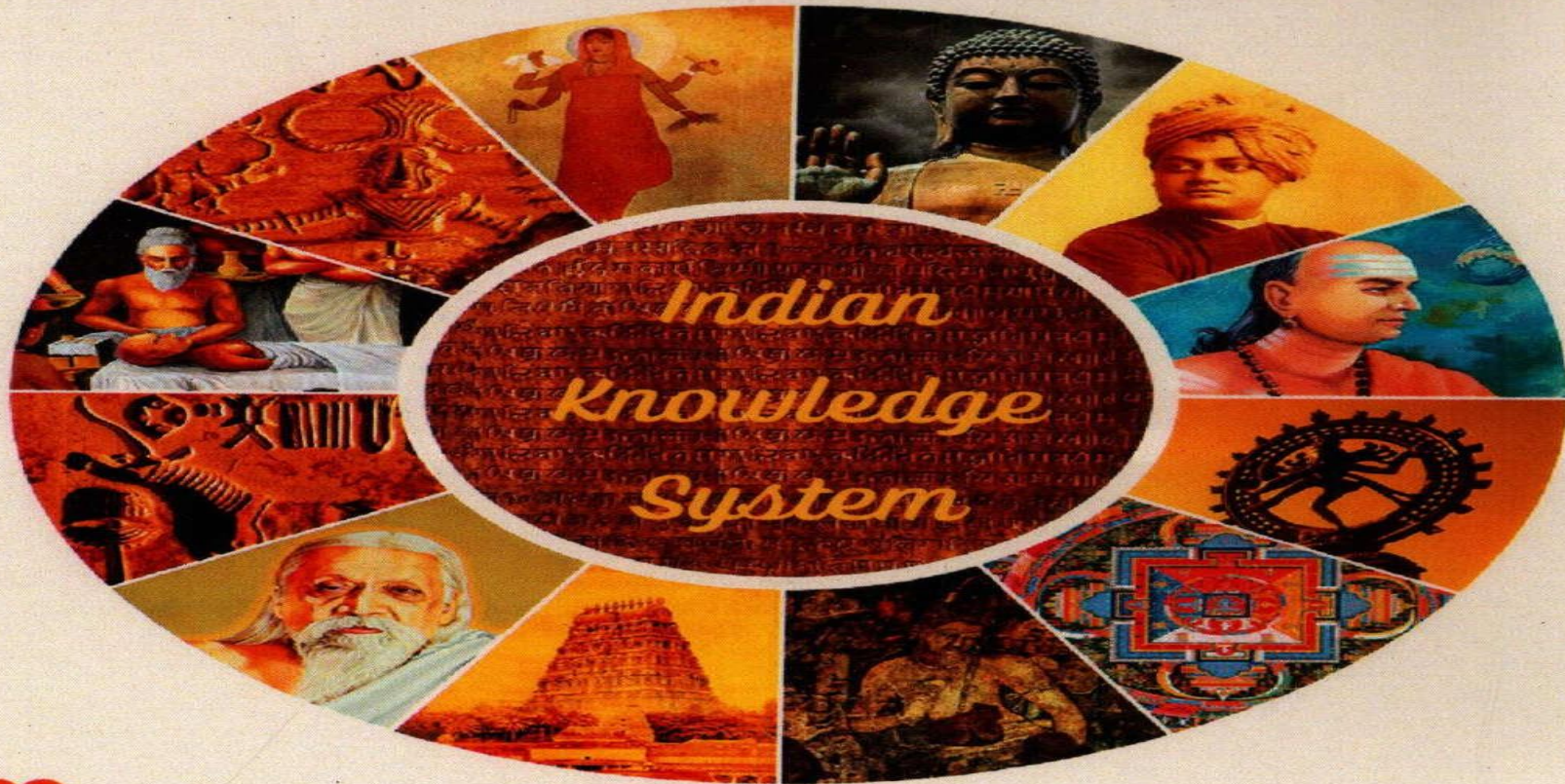
❝ The rich heritage of ancient Indian knowledge and thought has been a guiding light for NEP, and this knowledge will be put to new uses through our education system and included in the courses in mathematics, astronomy, philosophy, yoga, architecture, medicine, agriculture, engineering, linguistics, literature, sports, games, liberal arts etc.

Education in Regional Languages

> Multilingualism and the power of language has been a focus of NEP 2020. The use of mother-tongue as medium of instruction as much as possible has been emphasised because numerous cognitive science experiments have shown that students make great strides in education if they do not face an alien medium in the initial years.

Critical and Creative Thinking

left Brain   Right Brain

logic   Creativity

Analysis   Imagination

Linear   Holistic

Math   Arts

Facts   Feelings

Critical Thinking   Creative Thinking

NEP aims to develop good, well-rounded, and creative individuals. It proposes to enable an individual to study one or more specialized areas of interest at a deeper level, while at the same time build intellectual curiosity, scientific temper, creativity, spirit of service, and 21st century capabilities across the range of disciplines.

Ethics, Human and Constitutional Values

integrity
value
moral
principles
honesty
honor
ETHICS
right
choice
fairness
conscience
responsibility

VALUES

NEP proposes to build character, ethical and constitutional values, (e.g., empathy, respect for others, cleanliness, etiquette, courtesy, democratic spirit, spirit of service, scientific temper, liberty, responsibility, pluralism, equality and justice), and life skills (e.g., cooperation, teamwork, communication, resilience).

Promoting Digital Education and Use of Technology

"NEP along with Digital India Campaign aims to transform the entire nation into a digitally empowered society and knowledge economy. Given the explosive pace of technological development, it is certain that new technology will impact education in multiple ways as well as its outreach to the society for their upliftment.

# Full Equity to ensure that all Students are able to thrive

> One of the principles on which NEP is based is full equity and inclusion as the cornerstone of all educational decisions, to ensure all students are able to thrive in the education system.

Integration of Vocational Education in Higher Education

NEP-2020 sets a goal of achieving skill development among at least 50% of learners through the school and higher education system by 2025. NEP advocates to integrate vocational education into all school and higher education institutions.

Flexible Student-Centric Education
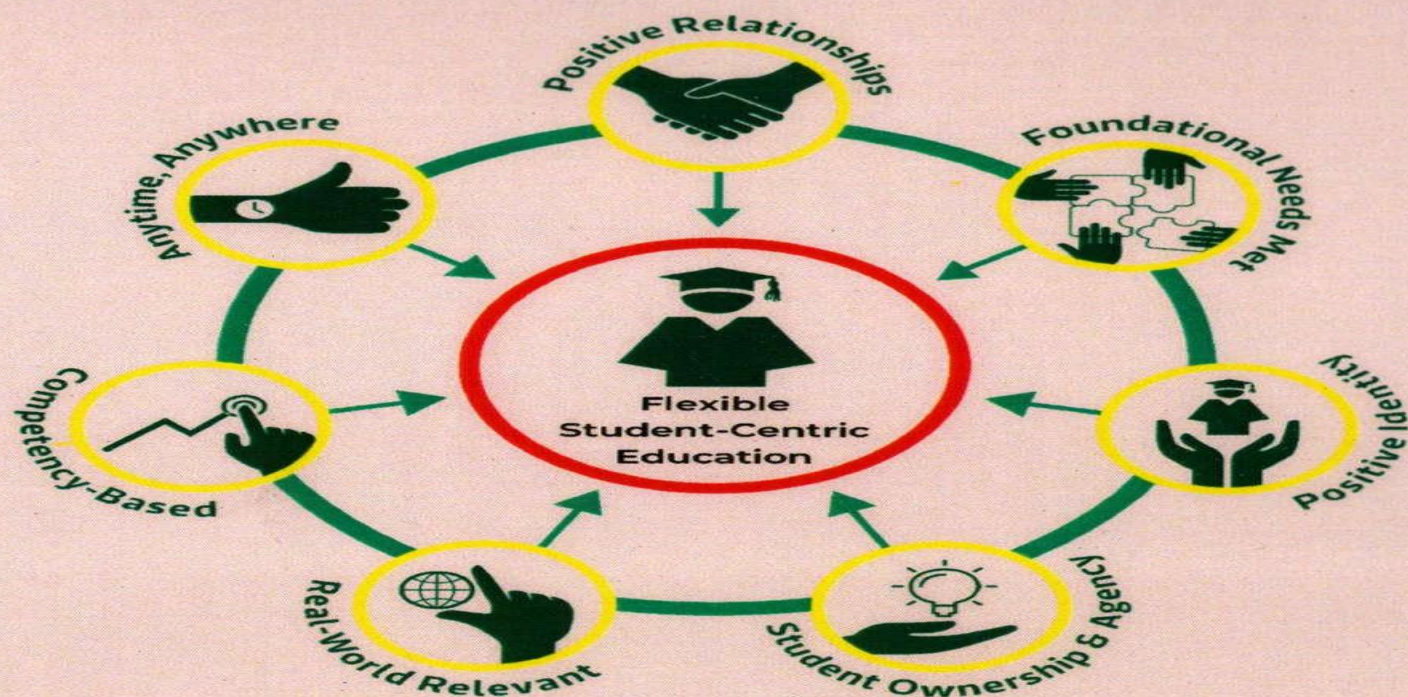
One of the principles on which NEP is based is flexibility for the students to choose their learning trajectories and programmes, and thereby choose their paths in life according to their own talent's and interests to ensure the integrity and unity of knowledge and eliminate harmful hierarchies among, and silos between, different areas of learning.

Thanks

Acknowledgement

National Education Policy 2020

Ministry of Human
Resource Development

Government of India