



Empowering higher education in Andhra Pradesh NEP2020 and a journey to viksit Bharat2047

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INTRODUCTION

Under the aegis of NEP2020, the transformation of higher education was setting standards which has been instrumental in fostering the environment where educational opportunities are extended to all socio-economic barriers. This has increased the societal contribution towards the society.

Overview

The initiative "Empowering Higher Education in Andhra Pradesh: NEP 2020 and the Journey to Viksit Bharat 2047" represents a comprehensive effort to align the state's higher education system with India's National Education Policy (NEP) 2020 and the country's long-term vision of a developed nation by 2047. It emphasizes holistic, research-oriented, and multidisciplinary education while promoting social equity, technological integration, and global competitiveness.

Key objectives include providing a roadmap for educational excellence, inclusivity, and sustainability, contributing to India's development vision .

principles of NEP2020

Principles of NEP 2020

- ▶ Recognizing, Identifying & Fostering unique capabilities of each Student.
- ▶ Achieving foundational literacy and numeracy by all students by grade 3.
- ▶ No hard separation between Arts & Science.
- ▶ Multidisciplinary & Holistic Education.
- ▶ Synergy in Curriculum across all level of Education from Early childhood care & Education to Higher Education.
- ▶ Education is public service, across to quality Education must be considered a basic right of every child.

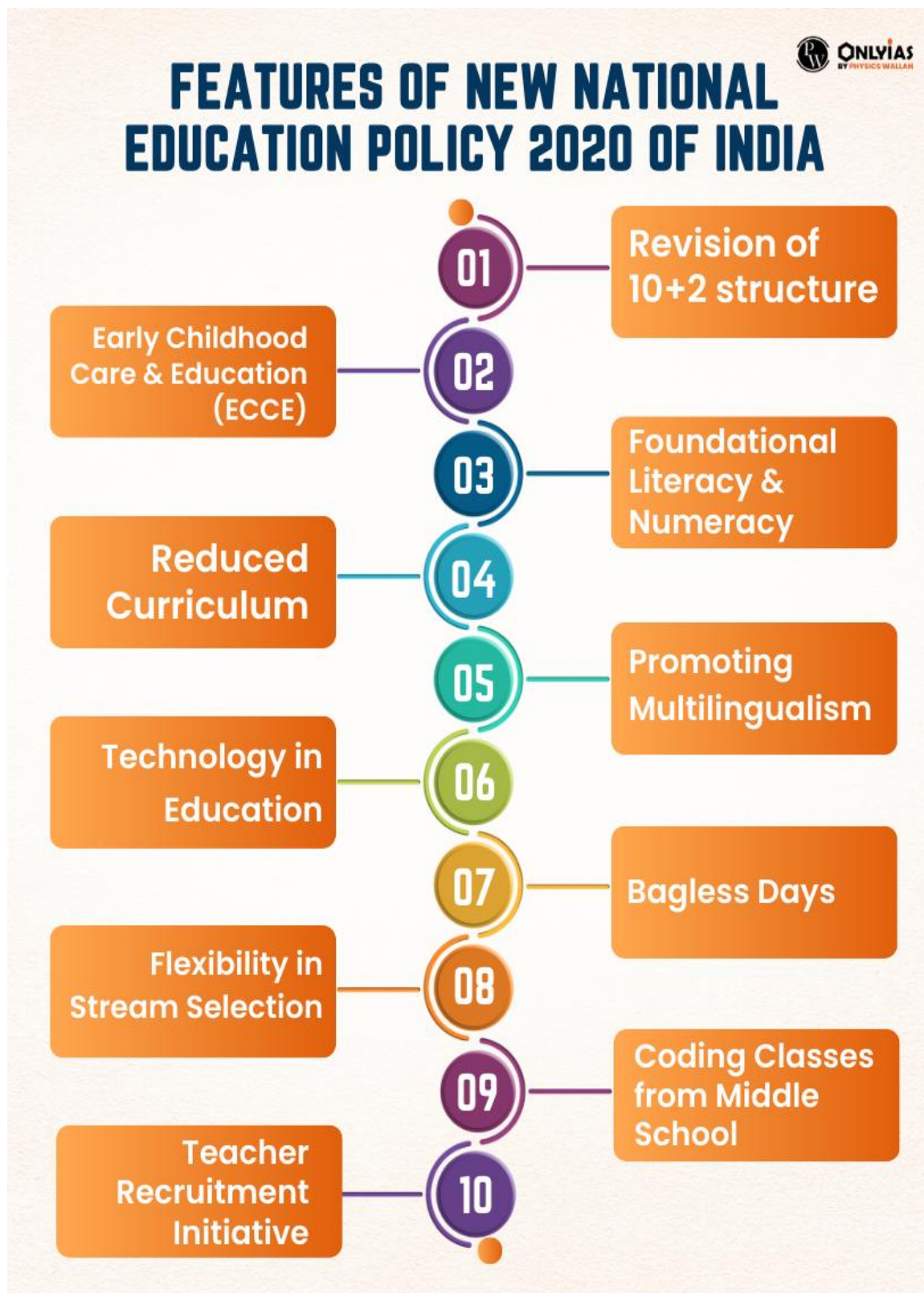
PILLARS OF NEP2020

The **NEP 2020** addressing the current challenges of Indian Education System

The five Pillars Of National Education Policy 2020 of India are:



FEATURES OF NEP2020



MAJOR HITS OF NEP IN EDUCATION SECTOR:



Transformative Measures Under NEP 2020

1. Curriculum Innovation

- * Introduction of 4-year UG Honours Programmes and UG Honours with Research.
- * Multiple entry and exit options allowing certificates, diplomas, degrees, or honours credentials.
- * Emphasis on multidisciplinary learning: Students complete three multidisciplinary courses, fostering cross-domain expertise.
- * Flexible majors and minors (155 majors and 134 minors) with online or blended options for second minors.

2. Skill Development and Vocational Integration

- * Mandatory six skill courses in semesters I-IV (total 12 credits) and Skill Enhancement Courses in semesters V-VIII.
- * Partnership with Microsoft and NASSCOM Future Skills, offering digital certifications in emerging technologies.

Organised by: DEPARTMENT OF COMMERCE, S.R.R & C.V.R GOVERNMENT DEGREE COLLEGE(A),
Vijayawada, Andhra Pradesh, India.

3.Digital and Online Education

- * Up to 40% of credits can be earned online via MOOCs, SWAYAM, NPTEL, or recognized platforms.
- * Initiatives like digital libraries in 15,000 Gram Panchayats democratize knowledge access.

4.Experiential Learning

- * Implementation of three-phase internships:
- * Community Service Project (semester I-year end) – collaboration with UNICEF.
- * Short-term internships (semester II/III) – employability-focused.
- * Long-term apprenticeships or industry internships (Semester V/VI).

5.Equity and Inclusivity

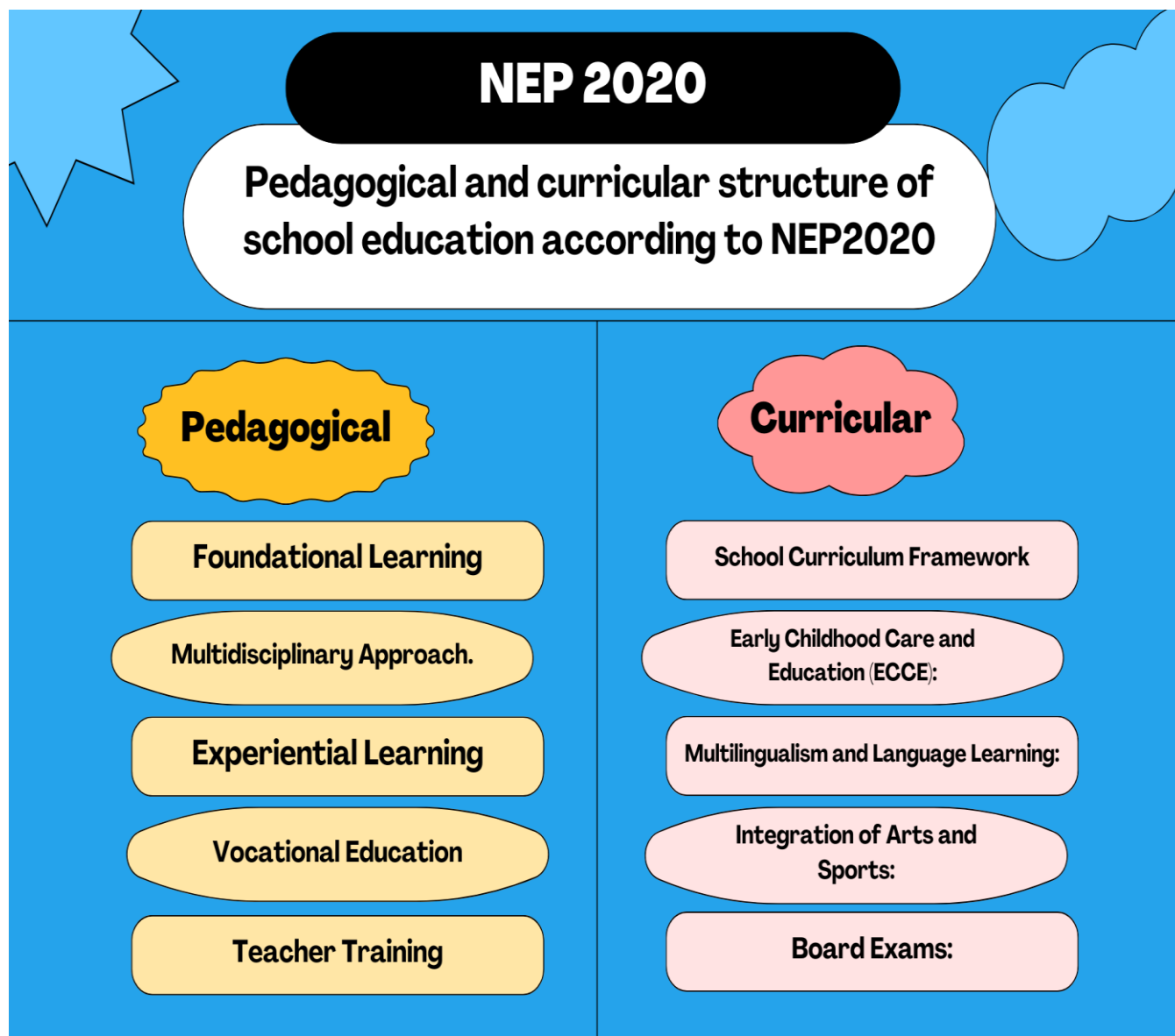
- * JVD and JVaD schemes provide full or partial fee reimbursement for economically weaker sections.
- * Significant improvements in Gross Enrollment Ratio (GER) and Gender Parity Index (GPI) across the state.

6.Industry-Academia Linkages

- * Deployment of “Industry-Institute Connect” portals for interaction and internships.
- * Alignment of student skills with evolving industry requirements.

7.Outcomes and Vision

- * By implementing these NEP-aligned reforms, Andhra Pradesh is positioning itself as a model state for higher education transformation:
- * Increasing employability and global competitiveness of graduates.
- * Fostering innovation-driven economy, societal equity, and research-led learning.
- * Steering the state toward Viksit Bharat @ 2047, where education becomes a cornerstone of national development.



CHALLENGES OF NEP2020

- * **Implementation changes:** Requires significant infrastructure and technological support which may not be available in all educational institutions.
- * **challenges of standardisation:** It is difficult to implement vast differences in the quality of education and infrastructure which is available in different parts of the country.
- * **Lack of Faculty training:** Faculty can be evaluated based on the criteria.

STRATEGY FORMULATION OF ANDHRA PRADESH TOWARDS ACHIEVEMENT OF VIKSIT BHARAT2047:

Andhra Pradesh aims to align with India's Viksit Bharat 2047 vision by leveraging higher education reforms under NEP 2020 to realize the socio-economic transformation projected for 2047. The approach integrates strategic, structural, and technological interventions:

1. Strategic Vision

The Viksit AP@2047 Vision Document seeks a 15% annual growth rate, positioning Andhra Pradesh as a \$2 trillion economy with a per-capita income of \$45,000, aligning with the broader national objective of a “developed India.”

Aligning higher education with this vision means reshaping institutions not just as centers of learning but as engines of innovation, skill development, and social equity.

2. NEP 2020 Implementation

Academic Restructuring: Introduction of multidisciplinary curricula, flexible course structures, and modular credits in universities to produce adaptable knowledge workers.

Research and Innovation Hubs: Establish centers of excellence and incubators to foster applied research, start-ups, and technology-driven entrepreneurship.

Skill Development & Vocational Integration: Embedding vocational training within higher education to create a job-ready workforce and reduce dependency on traditional employment sectors.

3. Digital and Smart Education

Expansion of digital infrastructure—high-speed internet access, e-learning platforms, and AI-powered personalized learning to widen university reach and improve pedagogical outcomes.

Adoption of data-driven governance in higher education—using analytics to monitor student progress, faculty performance, and resource allocation to optimize institutional efficiency.

4. Inclusivity & Access

Policies to ensure gender equity, regional representation, and socioeconomic inclusion in higher education, fostering broad-based human capital development necessary for sustainable growth.

Scholarship schemes and public-private partnerships aimed at improving enrollment from marginalized communities, thereby strengthening social cohesion alongside economic growth.

5. Industry-Academia Collaboration

Integration of universities with industry clusters and innovation parks to nurture practical research, internships, and technology transfer, propelling Andhra Pradesh as a knowledge-driven economy.

Development of applied science and technology programs aligned with priority sectors: renewable energy, biotechnology, IT, agriculture, and climate resilience.

6. Governance and Policy Interventions

Crafting higher education governance frameworks in line with NEP 2020 directives, emphasizing autonomy, accountability, and performance metrics.

Leveraging data and e-governance to implement transparent funding, accreditation, and evaluation systems for institutions.

7. Milestones and Impact

By 2030: Establishment of globally competitive universities and research centers.

By 2040: Full integration of multidisciplinary, AI-enabled curricula and widespread regional accessibility.

By 2047: Creation of a highly skilled workforce, robust innovation ecosystems, reduced socio-economic disparities, and internationalized higher education frameworks under a developed Andhra Pradesh economy.

Conclusion

Andhra Pradesh's journey towards Viksit Bharat 2047 under the initiative "Empowering Higher Education in Andhra Pradesh: NEP 2020" focuses on strengthening human capital, fostering innovation, ensuring equitable access, and integrating technology with governance. Through these measures, the state aspires to transform into a \$2 trillion knowledge-driven economy with per-capita prosperity, actively contributing to India's national vision of a fully developed, inclusive, and globally competitive society.

The combination of policy reforms (NEP 2020), digital initiatives, skill-oriented curricula, experiential internships, and inclusivity measures has enabled Andhra Pradesh to reimagine higher education. The ongoing and upcoming strategies aim to make the state a benchmark of academic excellence and social progress in India, contributing directly to the long-term vision of a developed, equitable, and self-reliant nation by 2047.

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