

From

The Director General
Technical Education Department, Haryana
Bays No. 7-12, Sector-4, Panchkula

To

1. The Principal, Govt. Polytechnic, Ambala/Nilokheri/Sonepat/Sirsa/Hisar/ Narnaul/Jhajjar /Adampur/Dhangar/Jattal/Hathnikund/Bhiwani/ Mandkola/ Indri/ Shergarh/ Malab/ Chhappar/Panchkula/Nanakpur/ Jamalpur Shekhon, Govt. Polytechnic for Women, Ambala City/Faridabad/Sirsa.
2. The Principal, Govt. Polytechnic Education Society, Uttawar/ Loharu/ Cheeka/ Manesar/ Sampla/ Sanghi/ Lisana/ Narwana/ Nathusari Chopta / Meham/ Morni.
3. The Principal, Vaish Technical Institute, Rohtak/ Chhotu Ram Polytechnic, Rohtak/ Seth Jai Parkash Polytechnic, Damla.

Memo No: 2631-67

/Plg. Dated: 23.11.2022

Subject: National Education Policy, 2020 Implementation Plan- Haryana's Perspective (Technical Education) – Meeting thereof.

Sir/Madam,

Kindly refer to the subject noted above.

As you are aware that the Hon'ble Chief Minister had launched the National Education Policy (NEP 2020) in Haryana on 30.07.2021. The Haryana State Government envisions to implement most of the key features of NEP by 2025 in letter and spirit. NEP 2020 is to be implemented in a time bound and effective manner. The entire higher education ecosystem needs to commit itself to build trust between all stakeholders including Technical Education Institutions (HEIs), Government authorities, and regulatory bodies. Technical Education Department, Haryana has therefore, initially identified **Top 100 Action Points** which can be immediately taken up by the Universities / colleges / and Polytechnics to ensure implementation of NEP (As per attached action points). Further, a meeting in this regard has been scheduled under the Chairmanship of Worthy Principal Secretary Technical Education on **05.12.2022 at 11:00 AM** in the conference hall of Technical Education Department, Haryana.

You are therefore, requested to make it convenient to attend the meeting for brainstorming / discussion and subsequent follow up of the National Education Policy 2020, as per the aforementioned schedule.

DA: As above

Sd/-

Joint Director
for Director General Technical Education
Haryana, Panchkula

Endst. No. 2629-30

/Plg.

Dated: 23.11.2022

A copy of above is forwarded to the following;

1. PS to PSTE for kind information of W/PSTE.
2. PS to DGTE for kind information of W/DGTE.

Sd/-

Joint Director
for Director General, Technical Education
Haryana, Panchkula

National Education Policy, 2020 Implementation Plan- Haryana's Perspective (Technical Education) - Top 100 Action Points thereof.

A) VISION OF THE POLICY

- 1.** The policy envisions an education system :
 - Rooted in Indian ethos
 - Transforms India sustainably
 - Create an equitable and vibrant knowledge society
 - Provide high quality education to all
 - Make India global knowledge superpower
- 2.** The vision of the policy is to instill a deep rooted pride in being an Indian in thought, spirit, intellect and deeds.
- 3.** It aims to develop knowledge skills, values that support commitment to human rights, sustainable development and global well being.

B) Technical Institutions at a Glance

1966: Only 04 Govt. Polytechnics, 02 Govt. Aided Polytechnics and only 01 Regional Engineering College at Kurukshetra with an annual intake of only 1341 students. The present status is as under:

- **04** State Technical Universities – Approx. 5690 intake capacity
- **90** Engg. Colleges (04 Govt., 09 State Univ. run, 77 Pvt.) - 24345 intake capacity
- **202** Polytechnics / D. Pharm. Institutions (39 Govt., 04 Aided, 159 Pvt.) - 37525 intake capacity
- **07** B. Arch. Institutions (02 Govt., 5 Pvt.) - 420 intake capacity
- **66** B. Pharmacy Institutions (08 Govt., 58 Private) – 4740 intake capacity

C) NEP 2020 –Targets

- 2025 : At least 50% of learners exposure to vocational education
- 2030: Multidisciplinary HEIs at least one such in or near every district
- 2030: 100% GER in preschool to secondary level
- 2035: Increase the GER in HE including VE to 50%.
- 2035: Phasing out the system of affiliated colleges through graded autonomy
- 2040: All HEIs shall aim to become multidisciplinary institutions and have larger student enrolments
- 2040: To have an education system that is second to none, with equitable access to the highest-quality education for all
- Hon'ble Chief Minister Haryana envisions to implement most of the key features of NEP in letter and spirit in the State by 2025

D) SALIENT FEATURES

NEP aims to address the growing developmental imperatives of India through :

- Revision and revamping of all aspects of educational structure
- Its regulation and governance
- Create new system aligned with SDG4 and aspirational goals of 21st century
- Building India's traditions and value systems
 - Access
 - Affordability
 - Equity
 - Accountability
 - Quality

Action Plan :

1. Institutional Restructuring and Consolidation

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
<ul style="list-style-type: none"> To end the fragmentation of HE by transforming HEI into large multidisciplinary universities, Colleges and HEI clusters/Knowledge Hubs. Granting graded autonomy to Degree colleges Flexibility of HEI's to run accredited ODL and online programmes Phasing out of single stream HEI's To develop overall culture of empowerment and autonomy to innovate Gradually phasing out the system of affiliated colleges over a period of 15 years 	<ol style="list-style-type: none"> Merge into one coherent ecosystem Integrated HE system, includes professional & vocational education Stand-alone technical universities to become multidisciplinary institutions Research intensive Universities Teaching intensive Universities Autonomous Colleges 	Mid Term (2-3 years)	<ul style="list-style-type: none"> State Technical Universities SIETs Polytechnics

2. Towards A More Holistic and Multidisciplinary Education

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
<ul style="list-style-type: none"> Integrate the Humanities and Arts with Science, Technology, Engineering and Mathematics (STEM) Aim to develop overall capacities of Human Being Imaginative and flexible curricular structure Establishment of Academic Bank of Credits (ABC) Multiple entry and exit options Setting up of Multidisciplinary Education and Research Universities (MERUs) Setting up start-up incubation centres 	<p>Multidisciplinary Institutions (MDIs) / Universities:</p> <ol style="list-style-type: none"> The existing STUs will be duly supported to adopt the standards of MERUs. Identify & support existing TUs to become MERUs in corroboration with HE Deptt. Conversion of TEIs into Multidisciplinary Institutions (MDIs). Introducing new Branches / Disciplines in existing GPs / SIETs / UIETs / TUs to convert to MDIs in coordination with the HEIs of HE Deptt. 	Long Term (3-5 years)	With the State Govt. / Centre Govt. funding all the technical institutions have to adopt the holistic & multidisciplinary education
	<ol style="list-style-type: none"> Graded empowerment of SIETs / GPs to be encouraged, mentored, supported & 	Mid term (2-3 years)	

	<p>incentivized to enhance academic and governance quality.</p> <p>12. Strengthening the existing Disciplines / Courses in terms of infrastructural facilities to strengthen the teaching learning process.</p>	Mid term (2-3 years)	
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3. Optimal learning environments and support for students

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
<p>NEP focuses on a 3 or 4 year duration undergraduate degree with multiple exit options and appropriate certifications e.g., a certificate after completing 1 year in a discipline or field including vocational and professional areas, or a diploma after 2 years of study, or a Bachelor's degree after a 3-year programme.</p>	<p>Curriculum and Pedagogy:</p> <p>13. TEIs may innovate on curriculum, pedagogy, and assessment in sync with Higher Education Commission Qualification Framework (HECQF).</p> <p>14. Continuous formative assessment to enhance the goals of each programme.</p> <p>15. Integration of Online courses / MOOCs into the Curricula.</p> <p>16. Focus on student - centered pedagogy and preferably bilingual for augmenting the understanding level of learners.</p>	Mid Term (2-3 years)	<p>On the direction of HECQF the technical institutions are to adopt Optimal learning environment</p>
	<p>Assessment & evaluation criteria:</p> <p>17. Adoption of criterion based grading system for assessing students on the learning goals for each programme.</p> <p>18. Adoption of continuous and comprehensive evaluation.</p>	Mid term (2-3 years)	
	<p>Mentoring of students:</p> <p>19. Induction training programme for smooth transition & adjustment of students in the system.</p> <p>20. Professional academic and career counseling through student support centers.</p> <p>21. Overall personality development of students - Sports, Cultural activities / Arts</p>	Continuous process	

	& Design / Eco / Activity clubs / Community projects.		
	<p>Promote cooperative learning & community-oriented projects:</p> <p>22. Introducing community-oriented projects at all levels – community engagement, environmental, value based internships, Industry apprenticeships to spread awareness about the problems of nearby societal area.</p> <p>23. Cooperative learning through supervised projects.</p>	Short term (1-2 years)	The institutions are to decide community oriented projects

4. Internationalization (Vishwa guru)

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
NEP recommends promoting India as a global study destination providing premium education at affordable costs. Research / teaching collaborations and faculty / student exchanges with high-quality foreign institutions will be facilitated, and relevant mutually beneficial MOUs with foreign universities will be signed.	<p>24. Online International Faculty Development Programs</p> <p>25. International Conferences and seminars</p> <p>26. Membership of prominent international associations</p> <p>27. Publications in Scopus Indexed Journals</p> <p>28. MOOCs</p>	Short term (1-2 years)	The State Technical Universities and the Department of Technical Education
	29. Department shall create a platform for signing of Memorandum of Understanding (MOUs) with foreign Universities (partner university) for quality upgradation	Mid Term (2 - 3 years)	
	<p>30. Top students across streams for 15 day International visits for better global exposure</p> <p>31. Introducing dual degree programs</p>	Mid Term (2 - 3 years)	

5. Student Activity and Participation

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
<ul style="list-style-type: none"> • NEP recommends vibrant campus life for students • Counselling system for stress and emotional management 	<p>32. ECO clubs, community clubs, activity clubs etc. shall be encouraged</p> <p>33. Counselling facility shall be put in place</p>	Continuous process	The Institutions will act on student activity participation

6. Motivated, Energized and Capable Faculty

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
NEP makes recommendations for motivating, energizing, and building capacity of faculty through clearly defined, independent, transparent recruitment, freedom to design curricula / pedagogy, incentivizing excellence, movement into institutional leadership.	<p>34. Filling up all the vacant / sanctioned posts across all the GPs / SIETs / STUs to do away adhocism and extension system.</p>	Mid Term (2-3 years)	The universities will initiate necessary activities for its own faculty
	<p>Training of Teachers in GPs/ SIETs / STUs:</p> <p>35. Induction Training - 7 Days compulsory programme on joining.</p> <p>36. In-Service Training - one week FDP in each semester.</p> <p>37. Training and retraining of trainers in advanced Institutes of learning at National / International level on emerging technology areas.</p> <p>38. Creating pool of Master trainers.</p>	Continuous process	For Colleges and Polytechnics, the department will initiate the necessary activities
	<p>39. To facilitate the faculty through research grants for innovating in teaching pedagogy, teaching-learning models, e-content, assessment tools etc.</p> <p>40. Student satisfaction surveys, cooperative learning through Gamification, community based projects, focus on application skills, technology mediated pedagogy.</p> <p>41. Attract Ph.D. students for teaching - through</p>		

	teaching assistantships in STUs & SIETs.		
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7. Equity and Inclusion in the TEIs

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
Policy in visions ensuring equitable access to quality education to all students, with special emphasis on SEDGs			
<ul style="list-style-type: none"> • Earmark funds for SEDGs • Enhance gender balance in admissions to TEIs • Establishing TEIs in aspirational districts & Special Education Zones • Develop and support TEIs for local/Indian languages 	42. Assessment of data base related SEDGs 43. Strategies for preparing and support of SEDGs 44. Setting up inclusion fund to support SEDGs	Short Term (1-2 years)	The Institutions will adopt and initiate equity and inclusion will the help of Govt. funding
	45. Assessment of data base 46. Strategy / support measure for girl education	Short Term (1-2 years)	
	47. Assessment of identification 48. Estimated no. of new TEIs required 49. Set up new TEIs	Mid Term (2-3 years)	
	50. Support existing institutions for teaching in local language 51. Develop new institutions for bilingual teaching	Mid Term (2-3 years)	

8. Continuous Professional Development (Teacher education)

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
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NEP envisions to provide a reliable merit based mechanism for continuous professional development for optimum outcome of the programme objectives.	52. All Technical Institutions to develop Institutional Development Plans (IDPs) to assess-Human resources, teaching, student support, infrastructural facilities.	Short Term (1-2 years)	The institution has to prepare their IDPs
	53. Upgrading academic infrastructure for improving student's academic standards.	Short Term (1-2 years)	The institutions
	54. Establishing Centres of Excellence (CoEs) / Teaching Learning Centers.	Mid Term (2-3 years)	The institutions with the sport of the department
	55. Conducting Faculty Induction Programmes (FIPs) 56. Conducting Leadership Development programs. 57. Conducting Online Refresher Courses.	Continuous Process	The institution
	58. Identifying Tutors for faculty mentoring.	Short term (1-2 years)	
	59. Mentoring neighboring Institutions.	Continuous process	The department will decide

9. Reimagining Vocational Education

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
NEP aims to overcome the social status hierarchy associated with vocational education and requires integration of vocational education programmes into mainstream education in all education institutions in a phased manner.	<p>60. <u>Phase-1</u>: In the initial phase B.Voc courses shall be commenced in at least one GP of every district.</p> <p>61. <u>Phase-2</u>: By providing a diverse range of vocational subjects to degree students, all students are required to choose at least one vocational subject.</p> <p>62. <u>Phase-3</u>: The next phase will be focused on practical exposure (field visits, internships, and experiential learning components) as part of a vocational topic.</p> <p>63. <u>Phase-4</u>: Promoting</p>	Long Term (3 - 5 years)	The institution will work out in a phased manner

	vocational education by giving them extra credits.		
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10. Catalyzing quality academic research in all fields through a “new national research foundation

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
NEP envisions to provide a reliable base of merit-based but equitable peer-reviewed research funding, helping to develop a culture of research in the country through suitable incentives for and recognition of outstanding research, and by undertaking major initiatives to seed and grow research.	64. To mark the performance of TEIs on national / international map.	Long Term (3-5 years)	The guidelines has to be issued by the UGC / Higher Education Commission Has to be implemented by the State Technical Universities
	65. STUs proposed to be MERUs will mentor nearby TEIs for improving their academic standards.		
	66. Promote setting up of Startups, Incubation Centers, Technology Development Centers, Centers in frontier areas of research & interdisciplinary research.		
	67. Greater Industry – Academia Interaction.	Mid term (2-3 years)	The Intuitions
	68. Increased number of internships for exposure of students to real world of work.		
69. Technology based training.	Continuous process		
70. Seed research in STUs.	Short term(1-2 years)		
71. Encourage research in technical concepts / programs.	Continuous process		

11. Transforming the Regulatory System of TEIs

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
NEP recommends to have four structure as independent verticals under the umbrella of HECI <ul style="list-style-type: none"> • National Higher Education Regulatory Council (NHERC) • National Accreditation Council (NAC) • Higher Education Grants Council (HEGC) • General Education Council (GEC) 	72. The regulatory mechanism outlined in the National Policy Document will be adopted by the State in letter and spirit.	Long Term (3-5 years)	The State Govt. / Department has to issue necessary directions

12. Effective Governance and Leadership for TEIS

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
NEP aims to make TEIs in India as independent self-governing institutions pursuing innovation and excellence in a phased manner over a period of 15 years.	<p>73. Developing 04 SIETs as State of Art Institutions: SIET, Nilokheri / RBSSIET, Zainabad, Rewari / CRSSIET, Silani Kesho, Jhajjar / SDLSIET, Panniwala Mota, Sirsa</p> <p>74. Developing the following GPs as Govt. Technical College (GTC) for imparting multidisciplinary courses as per NEP: GP, Ambala / GP Nilokheri / GP Jhajjar / GP Sirsa / GP Hisar / GPES, Manesar</p> <p>75. Formation of Board of Governance (BoGs)</p> <p>76. Non transferable appointments</p>	Long Term (3-5 years)	The department has to take a call in this regard

13. Other key areas of focus - Technology use & integration and online learning

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
The thrust of technological interventions, as envisioned by NEP, will be for the purposes of improving teaching learning and evaluation processes, supporting teacher preparation and professional development, enhancing educational access, and streamlining educational planning, management, and administration including processes related to admissions, attendance, assessments, etc	77. Creation of Digital infrastructure in Technical Institutions.	Long Term (3-5 years)	The institutions
	78. Developing institutional, student and faculty preparedness. 79. Online teaching platform and tools.	Short term (1-2 years)	
	80. Content creation, digital repository, and dissemination. 81. Offering courses in disruptive technologies, such as AI, ML, AR, VR etc. in Technical Institutions	Mid term (2-3 years)	State Technical Universities, SIETs, and a select list of Polytechnics

	82. Moving towards blended learning.	Short term (1-2 years)	All the institutions
	83. Appropriate training of IT tools and techniques in the administrative / financial / academic matters to the staff.	Continuous process	State Training Policy is being finalized
	84. To carry forward the technology use and integration, the Govt. has decided to establish an exclusive "Institution of Emerging Technologies" in the State	Long term (3-5 years)	The Govt. has enhance the focus on emerging technologies in each institutions
	85. Taking it forward, the department is in process to have "e-Dashboard" and "Learning Management System" in place for better efficacy. Very soon we will have these in place.	In process	Department is preparing

14. Making it happen (financing : affordable and quality education for all)

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
<ul style="list-style-type: none"> Public expenditure on education in India has not come close to the recommended level 6% of GDP level The centre and State will work together to increase the public investment in education sector to which 6% of GDP Curbing the matter of commercialization of education through regulatory approach 	<p>86. Financial supports viz scholarships, TFW, etc. are being given to the students of different categories by Centre and State.</p> <p>87. Fee waiver to girl students in diploma</p> <p>88. Merit scholarships</p> <p>89. The needy are assisted for educational loans</p> <p>90. The state has constituted a State Fee &</p>	Continuous process	State Govt. / Department

	Admission Committee for regulating fee and admission in TEIs		
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15. Professional Ethical Values / Moral Education

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
According to NEP, Value-based education shall include the development of humanistic, ethical, Constitutional, and universal human values of truth (satya), righteous conduct (dharma), peace (shanti), love (prem), nonviolence (ahimsa), scientific temper, citizenship values, and also life-skills; lessons in seva/service and participation in community service programmes.	<p>91. Introducing a new course on Professional Ethical Values in each discipline at all levels like Bhagvat Geeta.</p> <p>92. To inculcate the life skills and community service programmes as compulsory audit courses in the curriculum.</p> <ul style="list-style-type: none"> ▪ Gender sensitization course ▪ Community sensitization ▪ Health care, cleanliness, Swachtha, ▪ Basic constitution etc. 	Mid Term (2 - 3 years)	Technical Universities

16. Cluster TEIs

Recommendation of NEP	Implementation Plan in Haryana	Timeline	To be implemented by
NEP envisions to end the fragmentation of higher education by transforming higher education institutions into TEI clusters/ Knowledge Hubs	<p>93. Competency and capacity mapping of expertise in sync with the clusters already set up for training and placement activities covering all GPs / SIETs / UIETs / TUs in the State.</p> <p>94. Ambala cluster is proposed for the starting phase of Implementation.</p> <p>95. Govt.</p>	Mid Term (2-3 years)	By the Department

	<p>Polytechnic, Sector-26, Panchkula may be made an independent Engg. College imparting core Technical Education and other multidisciplinary courses having academic autonomy and self sustenance</p>		
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17. Issues to be addressed

Recommendation of NEP	Implementation Plan in Haryana
	<p>96. Govt. of India Level :</p> <ul style="list-style-type: none"> ▪ To create an academic bank of credits, which is under consideration of Ministry of Education, GoI. ▪ National Higher Education Qualification Framework - under active consideration of the GoI. <p>97. State Govt. Level :</p> <ul style="list-style-type: none"> ▪ Seamless integration between the departments of Technical Education and Higher Education. ▪ Creating a common pool of courses on emerging technologies, novel areas of research and employment oriented short term courses for students from both sides (TE & HE) to add to their basic courses. ▪ Region-wise cluster based approach for STUs / TUs/ SIETS to make them autonomous in terms of academics, administration and financial sustenance. ▪ Coordination with the clusters earmarked by the Higher Education Department for implementation - mapping thereof. ▪ Deciding the time lines for implementation of broad areas outlined as above.