

**Action Taken Report on the Implementation
of
National Education Policy (NEP 2020)**
NEP Implementation Committee
Institute of Chemical Technology, Mumbai
Nathalal Parekh Marg, Matunga, Mumbai - 400019

Email Reference to Directorate of Technical Education (DTE):

- Activity wise Report

Serial No.	Activity	Action Taken	Future Plan
1	Establishment of NEP implementation Cell	NEP implementation cell established	The cell will continue to function for the smooth implementation of NEP 2020
2	Adoption of NEP 2020 aligned curriculum by conducting a special meeting of the academic council	Academic Council approved the NEP 2020 aligned curriculum in its meeting held on 7 th August 2023	Further slight modifications to the curriculum will be taken up for approval in subsequent meetings of the Academic Council.
3	Inform to concerned Universities on the adoption of NEP 2020	ICT is a deemed University, so this activity is not applicable	Not applicable
4	Faculty wise Baskets of all verticals in detail	The faculty-wise basket was prepared in detail and approved by the Academic Council in its meeting held on 7 th August 2023. The detailed syllabi for the following major degrees Bachelor of Chemical Engineering and Bachelor of Chemical Technology, with minor degrees in Chemistry, Materials Science, Machine Learning and Artificial Intelligence, Mechanical Engineering, Biotechnology and Bioengineering, Management, Pharmaceutical Technology, Food Engineering and Technology, Polymer Engineering and Technology, Surface Coating Technology, Textile Technology, Specialty Chemicals Technology, Oils, Oleochemicals and Surfactants technology, were approved.	Any future addition of verticals will be taken up for approval in the subsequent meetings of the Academic Council.
5	Sensitization of stakeholders on	Planned during the orientation session for the first-year students. Consultative	NEP 2020 aligned curriculum will be put

	effective implementation of new curricular framework	meetings were held with faculty members, HoDs and Directors, Support Staff, examination unit, IT section, Alumni, industry representatives, and immediate past students.	up on Institute Website for dissemination of information to all stakeholders
6	MoU regarding Generic / Open electives	Open electives will be offered by different Departments of ICT. The syllabi were approved by the Academic Council in its meeting held on 7 th August 2023. In addition, Students can opt for other open electives as MOOCs from Swayam/NPTEL platform.	
7	Special Features implemented or Planned	Multiple Exits were approved by the Academic Council in its meeting held on 7 th August 2023. The extension of NEP exit policy to current students has been approved in Academic Council along with absorption of residual students in the new system, with time. Please see additional details below for the status of implementation of other special features of NEP 2020.	The NEP implementation committee will continue exploring other special features in due course of time.

- The Status of the Implementation and Other Special Features. The following tables summarize the Implementation of the NEP 2020 in line with different objectives of the policy. The objectives are:
 - Quality Education
 - Towards a More Holistic and Multidisciplinary Education
 - Optimal Learning Environment and Support for Students.

Serial No.	Objective of NEP: Quality Education	Implementation at ICT from 2023 – 24
1	Enable an individual to study one or more specialized areas of interest with rigorous specialization in the chosen field	Minor degrees are offered in Basic Sciences, Biotechnology, Mechanical Engineering, Chemical Technology Disciplines and Management, Emerging Areas, Data Analytics from 2023-24
2	Prepare students for more meaningful work roles and enable economic independence and 21st-century capabilities	Mandatory courses in Emerging Areas of Technology, and 16 Weeks of Internship
3	Soft skills, such as communication, discussion, and debate	Courses in Communication Skills
4	Emphasis on research - Competitive peer-reviewed research funding across disciplines	Degree with research Projects is offered to all UG courses
5	Revamping curriculum, pedagogy, assessment, and student support	Syllabi have been revised to implement NEP guidelines

Serial No.	NEP Guidelines: Towards a More Holistic and Multidisciplinary Education	Implementation at ICT from 2023 – 24
1	A holistic and multidisciplinary education	The scope of minor degrees has been expanded into Basic Sciences, Humanities, and Management.
2	Engineering institutions to move towards multidisciplinary education with more arts and humanities courses	The establishment of the Humanities and Management Department has been approved by the BoG.
3	To incorporate more vocational subjects and soft skills	Vocational Skills and Value Education skill courses have been added to the course structure.
4	Imaginative and flexible curricular structures	Flexibility is offered to students to opt for honours and research degrees with more electives in core and minor degree programs
5	Enable, and offer multiple entry and exit points. a. Certificate after completing 1 year in a discipline or field including vocational and professional areas. b. Diploma after 2/3 years of study c. Bachelor's degree after a 4-year programme.	Exit Options have been offered in line with NEP guidelines
6	Establishment of Departments in Languages, Literature, Music, Philosophy, Indology, Art, Dance, Theatre, Education, Mathematics, Statistics, Pure and Applied Sciences, Sociology, Economics, Sports, Translation and Interpretation	<ul style="list-style-type: none"> ▪ Departments of Applied and Basic Sciences, including Mathematics already exist in the Institute. ▪ Department of Humanities and Management is being established for Language skills and Management courses. ▪ Students' activities in sports, fine arts, and Literature, already exist and will be brought under the credit system
7	Credit-based courses	Credit-based grade point system already exists.
8	Projects in the areas of community engagement and service, environmental education, and value-based education.	Community projects will be mandatory and so shall the studies in Environmental sciences in Semesters IV and II, in all courses conducted at ICT
9	Establishment of An Academic Bank of Credit (ABC) to digitally store the academic credits earned from various recognized HEIs	In progress.
10	A degree 'with Research' if the student completes a rigorous research project in their major area(s) of study	All UG degrees will have an option to opt for a Research Degree with additional 20 credits from Semester V onwards.
11	Focus on research and innovation	The Institute already have a research and innovation culture. It will be strengthened.
12	Setting up start-up incubation centres, technology development centres, centres in frontier areas of research, greater industry-academic linkages, and interdisciplinary	Institute already has Startup activities, Incubation centres, Process Technology Development, strong industry linkages and projects with direct society connects.

	research including humanities and social sciences research	
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Serial No.	Objective of NEP: Optimal Learning Environments and Support for Students	Implementation at ICT from 2023 – 24
1	Autonomy to innovate on matters of curriculum, pedagogy, and assessment	Already Exists
2	All assessment systems shall also be decided by the HEI	Already Exists
3	A criterion-based grading system that assesses student achievement based on the learning goals	Need to define criteria!
4	More continuous and comprehensive evaluation instead of the final examination	Partly exists as continuous assessment and Mid-Term examination with 50% credits
5	Academic plans ranging from curricular improvement to quality of classroom transaction - into its larger Institutional Development Plan (IDP)	In the process of preparation with a long-term view of 10 years and 25 years. Consultative meetings with all stakeholders have been conducted.
6	High-quality support centres and professional academic and career counselling	In progress
7	Preparation of Norms, standards, and guidelines for systemic development, regulation, and accreditation	Already exists
8	Achieve global standards of quality in All programs, courses, curricula, and pedagogy across subjects	This is the part of Institutional plan for 2033 and 2047.