



**Progress Report**  
**on**  
**Implementation of National Education Policy (NEP 2020)**

Institute of Chemical Technology, Mumbai  
Nathalal Parekh Marg, Matunga, Mumbai - 400019  
NEP Implementation Committee, ICT Mumbai

Date: 18<sup>th</sup> May 2024

**Ref: Action Taken Report on NEP 2020 (sent to the DTE in August 2023)**

**Ref: Email Reference to Directorate of Technical Education (DTE):**

The Institute of Chemical Technology, Mumbai is characterized by its commitment to multidisciplinary education, experiential learning, technological integration, research innovation, and skill development. This comprehensive approach not only adheres to the principles of NEP 2020 but also sets a benchmark for other institutions to follow. In the following, we list the best practices adopted in ICT Mumbai.

- **Special features / Best practices adopted by autonomous institutes.**

- (a) Restructuring of NEP Implementation Committee with representatives from all the departments of Mumbai campus and representatives from both Jalna and Bhubaneswar campus has been done.
- (b) The constitution of NEP Advisory Committee with Senior Professors of ICT Mumbai for guidance and looking after the overall implementation progress of NEP 2020. The NEP advisory committee consists of the following members:

Serial No.	Department	Member	Email
1	Chemical Engineering	Professor V. G. Gaikar	vg.gaikar@ictmumbai.edu.in
2	Chemical Engineering	Professor A. W. Patwardhan	aw.patwardhan@ictmumbai.edu.in
3	Pharmaceutical Sciences and Technology	Professor S. V. Joshi	sv.joshi@ictmumbai.edu.in
4	Pharmaceutical Sciences and Technology	Professor P. S. Kharkar	ps.kharkar@ictmumbai.edu.in

- (c) The list of Department NEP Coordinators from the Mumbai campus and off campuses are listed below.

Serial No.	Department	Coordinator	Email
1	Chemistry	Dr. Shraddha Tewari	ss.tiwari@ictmumbai.edu.in



2	Mathematics	Dr. Amiya Ranjan Bhowmick	ar.bhowmick@ictmumbai.ac.in
3	Biological Sciences and Biotechnology	Dr. Gunjan Prakash	g.prakash@ictmumbai.edu.in
4	Pharmaceutical Sciences and Technology	Dr. Nitin Arote	nd.arote@ictmumbai.edu.in
5	Fibres and Textile Processing Technology	Dr. Santosh Biranje	ss.biranje@ictmumbai.edu.in
6	Food Engineering and Technology	Dr. Jyoti Sagar Gokhale	js.gokhale@ictmumbai.edu.in
7	General Engineering	Dr. Sachin G Solanke	sg.solanke@ictmumbai.edu.in
8	Humanities and Management Sciences (Proposed)	Dr. Rama Iyar	ramaiyer2008@gmail.com
9	Physics	Dr. Paresh Salame	ph.salame@ictmumbai.edu.in
10	Polymer and Surface Engineering	Dr. Aarti More	ap.more@ictmumbai.edu.in
11	Speciality Chemicals Technology	Dr. G. Subramanyam	gv.subrahmanyam@ictmumbai.edu.in
12	Oils Oleochemicals and Surfactants Technology	Dr. Amit Pratap	ap.pratap@ictmumbai.edu.in
13	Chemical Engineering	Dr. C. S. Mathpati	cs.mathpati@ictmumbai.edu.in
14	ICT Jalna Campus	Dr. Sandeep Bhairat	sp.bhairat@marj.ictmumbai.edu.in
15	ICT Bhubaneswar Campus	Dr. Ayantika Sett	a.sett@iocb.ictmumbai.edu.in

(d) The NEP Implementation Committee meets every week (Thursday 03:30 PM) and discuss the progress of the NEP Implementation in ICT and its off campuses. Student grievances/ queries/ difficulties received by NEP implementation committee are discussed in common NEP forum in Thursday meeting and resolved immediately.

(e) A basket of Multi-Disciplinary Minor Degree (MDM) programmes has been designed various departments to offer for the students under the NEP 2020. The following list of MDMs are offered by the ICT Mumbai Campus.

Serial No.	Multidisciplinary Minor Degree in	Department
1	Chemical Sciences	Chemistry



2	Machine Learning and Artificial Intelligence	Mathematics
3	Biotechnology and Bioengineering	Biological Sciences and Biotechnology
4	Pharmaceutical Chemistry & Technology	Pharmaceutical Sciences and Technology
5	Fibres and Textile Processing Technology	Fibres and Textile Processing Technology
6	Food Science and Technology	Food Engineering and Technology
7	Mechanical Engineering	General Engineering
8	Management	Humanities and Management Sciences (Proposed)
9	Materials Science	Physics
10	Polymer Engineering and Technology	Polymer and Surface Engineering
11	Dyestuff Technology	Speciality Chemicals Technology
12	Oils Oleochemicals and Surfactants Technology	Oils Oleochemicals and Surfactants Technology
13	Surface Coating Technology	Polymer and Surface Engineering

(f) The following list of MDM programmes are offered by the Jalna Campus

Sr. No.	MDM Programmes
1	Food Technology
2	Pharma Technology
3	Lipids Technology
4	Materials and Polymers Technology
5	Energy Technology
6	Petro Technology
7	Chemical Sciences
8	Physical Sciences

(g) The following list of MDM programmes are offered by the Bhubaneswar Campus

Sr. No.	MDM Programmes
1	Food Technology
2	Pharmaceutical Chemistry & Technology
3	Petroleum and Petrochemicals Technology
4	Fibres and Textile Processing Technology



5	Materials and Polymers Technology
6	Energy Technology

- (h) For students, the orientation programme for the Multidisciplinary Minor Degree Programme in ICT Mumbai and its off campuses have been carried out in a phased manner and all queries of the students have been addressed. For each MDM programme, there is an MDM coordinator has been assigned, who addresses all the doubts by the students.
- (i) A basket of Open Electives has been provided by various departments and the lists are made available to the students.
- (j) To ensure that the overlap between Open Elective (OE) and Major Discipline Modules (MDM) is managed effectively and duplication of course content is avoided, ICT Mumbai has mapped these components meticulously. This mapping is clearly communicated to students through detailed syllabus documents. This structured approach not only aligns with the NEP 2020's goals but also fosters a more efficient and effective educational environment. The following steps have been considered for the effective implementation:
- Preparation of detailed syllabus documents
  - Orientation programmes for the students
  - Continuous feedback mechanisms
- (k) ICT Mumbai has successfully implemented the NEP 2020 from the July 2023 session and successfully conducted all IKS and CCA courses in ICT Mumbai and both off campuses at Jalna and Bhubaneswar.

- **ABC/NAD registration status**

All the Students of ICT Mumbai across all campuses have got the ABC registration number. Total number of registrations: 2200

- **Preparedness plan of non-autonomous institutes (affiliating Institutes).**

Not applicable.