



**Workshop on
School Connect 2.0 for NEP-2020
and other Govt Schemes**

University of Mumbai

1st January 2025 – 15th January 2025



India's National Education Policy (NEP) 2020

1. NEP 2020, launched on 29 July 2020, outlines India's new vision for its education system: focuses on 5 pillars:

Affordability, Accessibility, Quality, Equity, and Accountability - to ensure continual learning

2. The policy aims to transform India into a **knowledge society and global knowledge superpower** by making higher education more holistic, flexible, multi-disciplinary and 21st century-focused

3. It calls for India being promoted as a **global study destination** providing premium education at affordable costs



NEP 2020 Focus Areas



Student Centricity

- ▶ Flexible curriculum with exit options
- ▶ Academic Bank of Credit
- ▶ Vocational education for 50% students



Multidisciplinary Education

- ▶ Multidisciplinary Education and Research Universities (MERUs)
- ▶ National Research Foundation (NRF)



Equity and Inclusion

- ▶ 50% GER by 2035 & support for SEDGs
- ▶ International collaborations; set-up of IBCs and International Students Office



Internationalization

- ▶ High performing Indian universities encouraged to set up campuses abroad
- ▶ Special legislative framework for IBCs with special regulatory, governance and content norms



Leadership and Development

- ▶ Teacher Educational Institutes (TEIs)
- ▶ National Mission on Mentoring (NMM)
- ▶ Professional development & leadership



Governance

- ▶ Independent self-governing HEIs
- ▶ Institutional restructuring and consolidation for multidisciplinary HEIs



Digital Learning

- ▶ Quality ODL (Open Distance Learning)
- ▶ National Education Technology Forum
- ▶ SWAYAM/ DIKSHA platforms



Holistic Education

- ▶ Hands-on experience and industry integration through choice-based credit system for internships
- ▶ Work-integrated learning

Qualification Type and Credit Requirements

Levels	Qualification title	Credit Min.
4.5	UG Certificate, 1 year	40
5.0	UG Diploma, 2 years	80
5.5	3 years Bachelor Degree	120
5.5	<i>3 Yrs Bachelor of Vocation (B.Voc.)/B. Sc. (Engg) Degree</i>	<i>120</i>
6.0	<i>4 years Bachelor's Degree in Engg. & Tech</i>	<i>160</i>
6.0	4 years Bachelor Degree (Honours/Honours with Research)	160
6.0	P.G. Diploma (exit after first year of the 2-year master's programme)	40
6.5	2 years PG Degree (after 3 years Bachelor degree)	80
6.5	1 year Master Degree [after obtaining a 4 years Bachelor Degree (Honours/Research)]	40
6.5	Integrated 5-year Bachelor's and Master's programme	200
7.0	2 Year M. Tech./ M. E. - PG Degree in Engg. & Tech	240
8.0	Doctoral Degree- Course work, and Published Work	Thesis

Various Combinations of Major, Minor and Other courses

Major / Core- Focus of Degree -50% of Total Credits

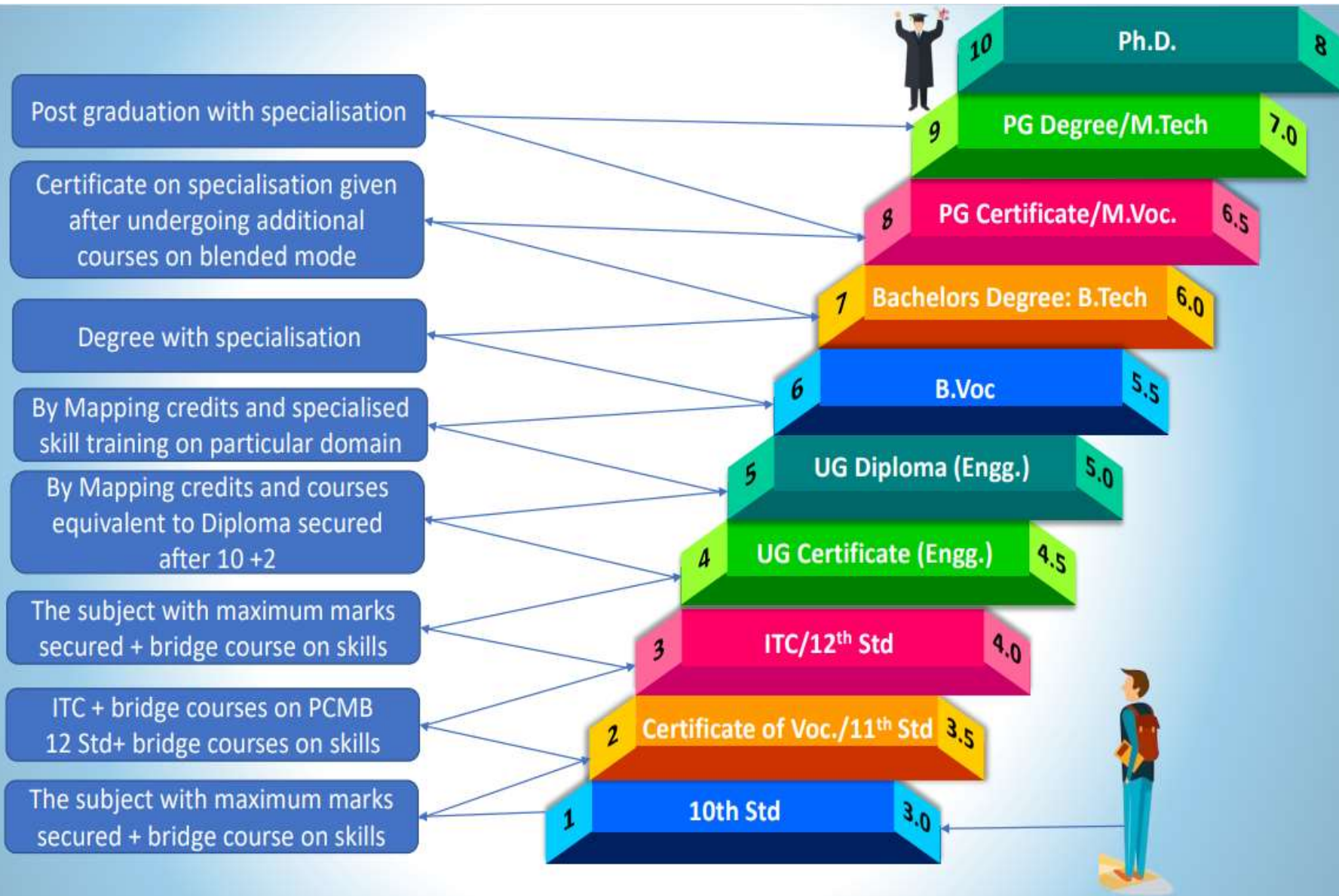
- Mand. Core Courses -Th & Pr
- Core Electives,
- Vocational Courses and Skill-based Education (VSC) (14-16Cr.)
- ✓ Mand. Internship/ Field Projects/ Apprenticeship/ Community Engagement Pr.
- ✓ Seminar, Research Project(12 Cr.)

Minor- Bunch of Other Discipline Courses Leading to Minor Degree :18-20 Credits

Other Curricular Components

- Open Electives or Multidisciplinary Courses (12 Credits)
- Ability Enhancement Courses (AEC)- Modern Indian Language (MIL) & English language focused on language and communication skills. (08 Credits)
- Value Education, ES, Professional Ethics, and Life Skills courses (04 Credits)
- IKS: Generic, Major, Minor (04 Cr.)
- Cocurricular Courses on Sports, Fine/ Applied/ Visual/ Performing Arts and Cultural Activities (08 Credits)

Admission Path as per NEP for Engg. & Tech.



UG Engg Curricular Framework

- Regular B Tech / B E Program, Single Multidisciplinary Minor

- **7 Verticals:** 1. Major or Programme Core, 2. Engg. and Sci Sub, 3. Multidisciplinary Minor, 4. Open Electives, 5. Vocational and Skill Enhancement Courses, 6. AEC, VEC & IKS, 7. Cocurricular Courses, OJT, FP, CEP, RP

- B Tech Single Major, Double Minor (Multidisciplinary Minor and Emerging Specialization Minor)

- **8 Verticals:** 1. Major or Programme Core, 2. Engg. and Sci Sub, 3. Multidisciplinary Minor, 4. Emerging Specialization Minor, 5. Open Electives, 6. Vocational and Skill Enhancement Courses, 7. AEC, VEC & IKS, 8. Cocurricular Courses, OJT, FP, CEP, RP

- Honours B Tech Degree, Single Multidisciplinary Minor

- **8 Verticals:** 1. Major or Programme Core, 2. Engg. and Sci Sub, 3. Multidisciplinary Minor, 5. Open Electives, 6. Vocational and Skill Enhancement Courses, 7. AEC, VEC & IKS, 8. Cocurricular Courses, OJT, FP, CEP, RP

- Double Major B Tech Program

- **8 Verticals:** 1. Major -I, 2. Engg. and Sci Sub, 3. Major II, 5. Open Electives, 6. Vocational and Skill Enhancement Courses, 7. AEC, VEC & IKS, 8. Cocurricular Courses, OJT, FP, CEP, RP

Student Centric Pedagogy

Flexibility

- ❖ Flexible Structure- choice from baskets
- ❖ Flexible Duration –
 - 3 yr UG/ 4 Yr UG,
 - 2 yr PG, 1 yr PG
- ❖ Multi-institutional learning
- ❖ Flexible period- 3-7 years
- ❖ Multiple entry Multiple exit

Multidisciplinary Approach

- ❖ 16 vidya 64 kala
- ❖ Subjects such as music- painting
- ❖ Scientific fields -
Chemistry, Mathematics
- ❖ Vocational fields such as
carpentry
- ❖ Professional fields such as
medicine, engineering
- ❖ Soft skills – communication,
discussion and debate

Few Questions- Is it feasible under NEP 2020?

- **Suresh**, a good Hockey/ Kabbadi Player and a clever student, would like to pursue Computer Engineering/ Microbiology Career and simultaneously promote his choice of Sports as a part of the Curriculum
- **Sushama** would like to seek admission to BA Instrumental Music and at the same time learn Physics so as to undertake research in the design of Musical Instruments based on the Laws of Physics (Wave Theory, Sound, Vibrations, Resonance, etc)
- **Amar**, a Commerce Student, would like to take professional training in Supply Chain Management/ Logistics/ e-Commerce
- **Swati**, a B. Sc. Analytical Chemistry student, would like to have hands-on training in GC, FTIR, and HPLC.

Few Questions- Is it feasible under Academics?

- **Prashant** has just finished his second year of graduation. But because of financial constraints, he needs to take an exit from academics, start earning to bear his family's financial responsibility, and re-enter academics after attaining financial stability.
- **Archana**, being a meritorious student, can be admitted to any college in South Mumbai. She finds that the three best Colleges in South Mumbai are good in different specific areas of learning. Therefore, she desires to pursue studies in all three colleges to get the best exposure to these different subjects.
- **Shyam** would like to seek admission to Ph.D. Program only after successful completion of Graduation (i.e. without pursuing postgraduation)

Government Initiatives

- ❖ State Government Scholarships Schemes
- ❖ Apprenticeship Embedded Degree Programme (AEDP)
- ❖ Internship
- ❖ IKS
- ❖ SWAYAM
- ❖ Mahaswayam
- ❖ PM Vidyalakshmi Loan Scheme
- ❖ SATHEE





Entrepreneurship, Employability through apprenticeship (NATs)

Objective:

- ❖ To enhance employability through apprenticeship training.

Key Features:

- ❖ Provides practical training to students in various industries.
- ❖ Aims to bridge the gap between education and employment

Stipend Under NATS

Student Category	Prescribed Minimum Stipend	Government's Share
Degree Holder / Graduate in any stream Degree Apprentices in any stream	Rs. 9,000 per month	Rs. 4,500 per month
Diploma Holder in any stream Sandwich Degree students	Rs. 8,000 per month	Rs. 4,000 per month
Sandwich Diploma students	Rs. 7,000 per month	Rs. 3,500 per month

Companies paying over and above the minimum prescribed stipend:

- Yahoo Software Development (Rs 87,000), Cummins Technologies (Rs 81,000), Expert Global Solutions (Rs 87,500), Tata AIG General Insurance (Rs 76,000)
- Companies in the new age sectors: Crest Data Systems (Data Analytics, Data Science & ML, Cloud & Infra) – Rs 71,500, Axis Solutions Pvt. Ltd. (AI and IoT in Manufacturing) – Rs 71,000

SWAYAM

Key Features

- ❖ Diverse Course Offerings
- ❖ Courses for technical and non-technical disciplines, focusing on emerging sectors
- ❖ Recognition of Credits
- ❖ Allowing students to claim up to 40% of their credits from SWAYAM courses as per UGC notifications
- ❖ Interactive Learning Environment



SWAYAM Plus

Objectives:

- ❖ Enhance employability through skill development and Industry Support

Key Features:

- ❖ Focusing on creating content in partnership with the industry to ensure the availability of future-ready skilled resources



○ PM-Vidyalaxmi – Objectives and Key Features

- A special loan product-**collateral free, guarantor free ed. loans**;
- made accessible through a simple, transparent, student-friendly, and entirely digital application process.
- Loan amounts up to ₹ 7.5 lakhs will be provided a 75% credit guarantee by the Government of India, to support banks to expand coverage.
- Furthermore, for **students with up to Rs. 8 lakhs annual family income**, the scheme will also provide for **3% interest subvention** on **loans upto Rs 10 lakh**.
- Students with annual family income ₹4.5 lakhs and pursuing technical/professional courses from NAAC accredited HEIs/ NBA accredited courses at Govt Institutions shall get full interest subvention.



○ PM-Vidyalaxmi – examples

○ In IIM Ahmedabad, course fee for 2 years is ~ ₹25 lakhs;

➤ Add hostel, laptop, mess, other out-of-pocket expenses (20% in 2 years) ~ ₹ 5 lakhs

➤ Collateral-free guarantor-free education loan will be up to ₹ 30 lakhs.

➤ Disbursement will be as per institution and students' requirement

○ In IIT Kanpur, total expenses (course fee, hostel fee, laptop, mess, books, etc.) for 4-year B. Tech course is ~ ₹ 10 lakhs

➤ Collateral-free guarantor-free education loan will be up to ₹ 10 lakhs.

➤ Disbursement will be as per institution and students' requirement

○ No ceiling of family income (₹ 8 lakhs) for education loans.

○ No ceiling of loan amount (₹ 10 lakhs) for education loans.



○ PM-Vidyalaxmi – examples

○ 3% interest subvention on education loan for students with annual family income up to ₹ 8 lakhs


○ Education loan taken ₹ 30 lakhs : disbursement in year 2024 = ₹ 16 lakhs

- @8.5% interest rate, interest to be paid in 2025 = ₹ 1.36 lakhs
- On ₹ 10 lakhs, @3%, interest = ₹ 30,000
- In 2025, student pays ₹ 1.06 lakhs, central government pays ₹ 30,000

○ Education loan taken ₹ 10 lakhs : disbursement in year 2024 = ₹ 4 lakhs

- @8.5% interest rate, interest to be paid in 2025 = ₹ 34,000
- On ₹ 4 lakhs, @3%, interest = ₹ 12,000
- In 2025, student pays ₹ 22,000 central government pays ₹ 12,000
- In 2026, cumulative disbursement ₹ 7 lakhs: total interest for 2026: ₹ 59,500
- In 2026, student pays ₹ 38,500, central government pays ₹ 21,000






SATHEE (Self-Assessment, Test and Help for Entrance Examination) portal (by IIT Kanpur for the Ministry of Education)

Reduction of dependency on Coaching Culture

- ❖ **Accessibility and Inclusivity:** quality educational resources available in multiple languages
- ❖ **Personalized Learning Experience:** SATHEE seeks to offer personalized feedback and guidance through a network of mentors, helping students identify their strengths and weaknesses



SATHEE (Self-Assessment, Test and Help for Entrance Examination) portal (by IIT Kanpur for the Ministry of Education)

Key Features

- ❖ **Extensive Video Library:** mapped to the NCERT curriculum for classes 11 and 12, in multiple languages
- ❖ **Interactive Learning Tools:** online doubt-clearing forums, practice tests, and a robust analytics dashboard
- ❖ **SATHEE Kendras:** Physical centers



Industry-Academia collaboration, Research

Key Features

- ❖ Establishing structured partnerships between educational institutions and industry partners to enhance program relevance and ensure employment opportunities for graduates .
- ❖ To improve overall employability
- ❖ Work Integrated Training Programs
- ❖ Inclusive participation in skill training programs, particularly for women and differently-abled students

THANKS