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Policy of Online(NPTEL/SWAYAM /MOOC) Courses

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1. **About NPTEL** : NPTEL (National Programme on Technology Enhanced Learning), is a joint venture of the IITs and IISc, funded by the Ministry of Education (MoE) Government of India, and was launched in 2003. Initially started as a project to take quality education to all corners of the country, NPTEL now offers close to 600+ courses for certification every semester in about 22 disciplines.

2. **Objectives :** The main objective of the National Programme on Technology Enhanced Learning (NPTEL) is to enhance the quality of engineering and science education in India by developing and disseminating high-quality learning resources using technology.

- **Enhance Engineering and Science Education:** NPTEL aims to improve the quality of education in these fields by providing access to quality learning materials.

- **Develop Online Courses :** NPTEL creates and offers online courses, particularly in science and engineering disciplines, including specialized and interdisciplinary subjects.

- **Disseminate Learning Resources**: NPTEL makes these resources available through its online platform, leveraging technology to reach a wide audience of students and professionals.

- **Promote Online Learning:** NPTEL encourages the adoption of online learning methodologies and helps institutions integrate these approaches into their teaching practices.

- **Offer Certification**: NPTEL provides online certification exams for its courses, allowing learners to demonstrate their knowledge and skills.

- **Support Faculty Development**: NPTEL conducts workshops for faculty to train them in technology-enabled teaching-learning processes and help them develop curricula using NPTEL content.

- **Facilitate Industry Collaboration** : NPTEL collaborates with industries to ensure that the learning content is relevant to industry needs and to facilitate the use of NPTEL materials for employee training.

- **Promote Lifelong Learning** : NPTEL aims to provide opportunities for lifelong learning and professional development for individuals seeking career advancement.

3. **Expected Outcomes:** Participation in NPTEL courses is expected to yield the following academic and professional benefits:

- **Academic Credit Transfer**: Eligible NPTEL courses may be credited as part of the academic curriculum, subject to institutional guidelines.
- **Skill and Competency Development**: Students gain exposure to industry-relevant and interdisciplinary topics.
- **Enhanced Employability**: Certification improves students' career prospects by adding value to their resumes.

- **Faculty Development**: Recognized NPTEL courses may serve as Faculty Development Programs (FDPs).
- **Professional Advancement**: Working professionals can utilize NPTEL for upskilling and reskilling.
- **Recognition by Industry**: Increasingly, employers consider NPTEL certification as an indicator of technical proficiency.

4. Working /Certification process:

The certification process is structured as follows:

- Courses are developed by subject matter experts (SMEs) from IITs and partner institutions.
- Enrollment is free of cost, learning content (typically ~3 hours/week) is released on a weekly basis.
- Students must complete weekly assignments which contribute to the internal assessment.
- A moderated discussion forum is provided for student support, monitored by teaching assistants and faculty.
- Learners wishing to obtain a certificate must register for a proctored examination conducted at designated centers or via online remote proctoring. The exam fee is nominal (₹1000).
- Certification Criteria:
  - Minimum Average Assignment Score: 40%
  - Minimum Final Exam Score: 40%
    Only learners meeting both criteria are awarded e-verifiable certificates. Hard copies are not issued.

5. Institutional Implementation Guidelines

To integrate Online Courses (NPTEL/SWAYAM/MOOC) effectively within the institute's academic framework, the following implementation scheme shall be observed:

5.1 Course Selection and Allocation

a) Departments shall identify suitable Online Courses (NPTEL/SWAYAM/MOOC) for Subject Domain/Program Core/ Program Elective/ Open Elective/MDM/HSS courses for Credit Transfer in each semester, in accordance with the tentative list published by NPTEL/ SWAYAM/MOOC onile courses.
b) Course selection must align with student academic needs and intended learning outcomes.
c) Courses may be offered in two formats:

- Subject Domain/Program Core/ Program Elective/ Open Elective/MDM/HSS courses for Credit Transfer: Minimum 12-week duration
- Employability or Audit Courses: 8 or 12 weeks depending on course type

5.2 Student Participation Mandate

d) Students enrolled in undergraduate programs must complete:

Four (4) Subject Domain/Program Core/ Program Elective/ Open Elective/MDM/HSS   Online Courses (NPTEL/SWAYAM/MOOC) Courses

Two (2) Employability Skill Development or Audit Courses(NPTEL/SWAYAM/MOOC) during the program duration

e) The two audit courses shall be completed before the end of the sixth semester.

f) The four Subject Domain/Program Core/ Program Elective/ Open Elective/MDM/HSS courses (NPTEL/SWAYAM/MOOC) shall be integrated at appropriate academic levels (SE, TE, BE), in accordance with departmental curricula.

5.3 **Curriculum Integration and Credit Transfer**

g) Online(NPTEL/SWAYAM/MOOC) courses integrated within the curriculum must be of 12-week duration and will be considered as equivalent to Subject Domain/Program Core/ Program Elective/ Open Elective/MDM/HSS subjects with three credits.
h) Courses pursued outside the prescribed curriculum shall be treated as audit courses.

i) Board of Studies (BoS) will be responsible for proposing/recommending courses, considering factors like Credit, grade points, content, and required Skills/ Syllabus.
J) For credit transfer, the selected Online Courses(NPTEL/SWAYAM/MOOC) courses must be recommended by the Head of Department (HOD) and approved by the Board of Studies (BoS).

6. **Assessment and Result Integration**

6.1 Evaluation Structure

- Total NPTEL Course Marks: 100 marks
    - 25 Marks – Internal (Weekly Assignments)
    - 75 Marks – Final Proctored Examination
    - 40% Passing in both Internal and End Examination

6.2 Non-compliance and Reattempts

- **Incomplete Assignment Submission**:
  Students who enroll for course and fail (less than 40%) to submit assignments will not have their results considered, regardless of final exam performance. Such students shall re-register for the same course in the following academic year. This will be treated as detention in the subject.
- **Failure in Final Exam / No Certificate**:
  Students who do not pass the proctored exam or fail to earn a certificate will be given one opportunity to appear for a 100-mark institutional REESE end-semester exam.
- **Detention Policy**
- If the student does not enroll in the course, then he/she will be considered detained in that subject.
- If the student enrolls in the course but does not register for the examination, there will be no re-examination at the institute. He/she will have to re-register for the same course when it is offered again.
- If the student fails in the REESE, he/she will have to reappear for the Online Courses (NPTEL/SWAYAM/MOOC) online examination in the next semester or next year.

7. **Updated Policy for Grading the students offering Online courses (MOOC/SWAYAM / NPTEL COURSES):**

A student may complete Online Courses (NPTEL/SWAYAM/MOOC) as mentioned in the curriculum and transfer equivalent credits to partially complete the mandatory credit requirements of the concerned B. Tech program. The credit equivalence for SWAYAM-NPTEL Courses: 12 weeks – 3 credits; 8 weeks – 2 credits; 4 weeks – 1 credit.

All students, at the time of Online course (NPTEL/SWAYAM/MOOC) registration, have to mark the checkbox, which enables NPTEL to submit the results of students directly to the local chapter / SPOC. If a student fails to do so, they will be declared Failed and will have to repeat the course in the next semester whenever offered.

The passing criteria applicable are as declared for the various courses by NPTEL/SWAYAM/MOOC.

For Example: A learner will pass and be certified only if Average assignment score (out of 100) >= 40 AND Final exam score (out of 100) >= 40. Learner will be declared pass only if he/she clear the exam with a minimum score of 10 out of 25 in the assignment and 30 out of 75 in the final proctored exam and **a certificate is issued** accordingly by NPTEL/Swayam for the offered courses.

The grading system for such SWAYAM-NPTEL Courses with transfer of credits is specified given below:

Table 1

NPTEL courses (OE/PE/HSS/Core/Any other)	Grade Awarded	Grade Point
top1% or top2% or top 5% or Elite+gold	A++	10.0
Elite+silver	A+	9.0
Elite	A	8.0
successfully completed 55-58& received the certificate	B+	7.0
successfully completed 50-54 received the certificate	B	6.0
successfully completed 45-49 received the certificate	C+	5.0
successfully completed 40-44 received the certificate	C	4.0
Failed **(no certificate)**	D	0

Any student who fails the Online Course(NPTEL/SWAYAM/ MOOC) course must repeat the same or an equivalent course in the coming semesters until satisfy the passing criteria of NPTEL.

Or

If a student at the end of semester has "NO CERTIFICATE" status in any Online(NPTEL/SWAYAM/ MOOC) course, he/she will have the provision to appear for RE Examination. The course offering department will set the question paper for the said course or the equivalent course offered by department.

The student must re-register with the exam section during Re-examination after the declaration of results by Online(NPTEL/SWAYAM/MOOC) Course. He/She must report the result to the head of the department or Departmental faculty coordinator. A student who scores a minimum of 40 marks out of 100 in the re-examination will be declared pass and following grade Table 2 will be applicable . This grade table will be only for Re-Examination against – Online Courses (NPTEL/SWAYAM/MOOC).

Table 2
Absolute grading will be as follows

NPTEL/SWAYAM MOOC Courses Total Marks obtained in REESE Range of Marks (%)	Letter Grade	Grade Points	Description	General Remarks but not necessary Constraints
≥90%	**A++**	10	Outstanding	Top 5% of the class (if marks are slightly below 90%, but exceptionally good performance) OR Consistently outstanding performance.
80%−89%	**A+**	9	Excellent	Generally Top 15% of the class (if marks are slightly below 80%, but significantly above average).
70%−79%	**A**	8	Very Good	Generally Next 25% of the class (if marks are slightly below 70%, but well above average).
60%−69%	**B+**	7	Good	Students performing above average.
50%−59%	**B**	6	Above Average	Students performing at or slightly above the passing threshold.
45%−49%	C+	5	Average	Minimum passing grade. Students meeting basic competency requirements.
40%-45%	**C**	4	Pass	Minimum Passing Grade
<40%	D	0	Fail	Failing grade. Requires re-examination or repeating the course.
Detained	D1	0		

Drop	D2	0		
Withdrawn	D3	0		

The grade boundaries as indicated may be marginally adjusted.

On verification of the SWAYAM-NPTEL Course Certificates equivalent Credits will be assigned in the grade card.

This Policy will supersede all the previous policies for online courses.

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