



**GUJARAT TECHNOLOGICAL UNIVERSITY**

(Established by Government of Gujarat under Gujarat Act No.:20 of 2007)

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

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Ref./GTU/Academic/MOOCs\_Guidelines/2025/ 2806

Date: 7/04/2025

# GUJARAT TECHNOLOGICAL UNIVERSITY

## Revised Guidelines for Implementation of Massive Open Online Courses (MOOCs) & Integration of Skilling-based Courses

w.e.f. Academic Year 2024-25

(Applicable for students enrolled in A.Y. 2024-25 and onwards)



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## 1. Implementation of MOOCs and Integration of Skilling-based Courses for Diploma Engineering Programs w.e.f. A.Y. 2024-25

- 1.1 SWAYAM-NPTEL MOOCs will be offered against the regular courses under Professional/Open Electives categories in the 4<sup>th</sup> and 5<sup>th</sup> semesters.
- 1.2 The option given to students to earn total credits through the MOOCs will be limited to a maximum of 20% of the total credit requirement in a regular Diploma Engineering program.
- 1.3 In the 4<sup>th</sup> semester, the MOOCs will be offered (optional) against the Professional/Open Electives course of the regular curriculum. Students who clear MOOC(s) during the 1<sup>st</sup> to 3<sup>rd</sup> semester (i.e. before the commencement of the 4<sup>th</sup> semester) will be given exemption from the regular Professional/Open Elective courses of the 4<sup>th</sup> semester. Students who are not taking/not completing MOOCs will have to study regular Professional/Open Elective courses offered in the 4<sup>th</sup> semester.
- 1.4 After completion of the 4<sup>th</sup> semester and before the start of the 5<sup>th</sup> semester, students are required to participate in 60 hours of skilling-based training or courses provided by Skill India, The Ministry of Skill Development and Entrepreneurship, or another reputable skilling platform as enlisted by the University. This initiative aims to enhance skill-sets and employability.
- 1.5 In the 5<sup>th</sup> semester, the MOOCs will be offered (optional) against the Professional/Open Electives course of the regular curriculum. Students who clear MOOC(s) during the 1<sup>st</sup> to 4<sup>th</sup> semester (i.e. before the commencement of the 5<sup>th</sup> semester) will be given exemption from the regular Professional/Open Elective courses of the 5<sup>th</sup> semester. Students who are not taking/not completing MOOCs will have to study regular Professional/Open Elective courses offered in the 5<sup>th</sup> semester.
- 1.6 In the 6<sup>th</sup> Semester, a full-time internship in the relevant industry/company/central-state-funded project needs to be carried out under the supervision of the Institute mentor.

## 2. Implementation of MOOCs and Integration of Skilling-based Courses for Undergraduate Engineering (UG) Programs w.e.f. A.Y. 2024-25

- 2.1 SWAYAM-NPTEL MOOCs will be offered against the regular courses under Professional/Open Electives categories in the 5<sup>th</sup>, 6<sup>th</sup>, and 7<sup>th</sup> semesters.
- 2.2 In the 5<sup>th</sup> semester, the MOOCs will be offered (optional) against Professional/Open Electives courses of the regular curriculum. Students who clear MOOC(s) during the 1<sup>st</sup> to 4<sup>th</sup> semester (i.e. before the commencement of the 5<sup>th</sup> semester) will be given exemption from the regular professional/open elective courses of the 5<sup>th</sup> semester. Students who are not taking/not completing MOOCs will have to study regular Professional/Open elective courses offered in the 5<sup>th</sup> semester.
- 2.3 In the 6<sup>th</sup> semester, the MOOCs will be offered (optional) against the Professional/Open Electives courses of the regular curriculum. Students who clear MOOC(s) during the 1<sup>st</sup> to 5<sup>th</sup> semester (i.e. before the commencement of the 6<sup>th</sup> semester) will be given exemption from the regular





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professional/open electives courses of the 6<sup>th</sup> semester. Students who are not taking/not completing MOOCs will have to study regular professional/Open elective courses offered in the 6<sup>th</sup> semester.

- 2.4 In the 7<sup>th</sup> semester, the MOOCs will be offered (optional) against the Professional/Open Electives courses of the regular curriculum. Students who clear MOOC(s) during the 1<sup>st</sup> to 6<sup>th</sup> semester (i.e. before the commencement of the 7<sup>th</sup> semester) will be given exemption from the regular professional/open electives courses of the 7<sup>th</sup> semester. Students who are not taking/not completing MOOCs will have to study regular professional/Open elective courses offered in the 6<sup>th</sup> semester.
- 2.5 After completion of the 6<sup>th</sup> semester and before the start of the 7<sup>th</sup> semester, students are required to participate in 60 hours of skilling-based training or courses provided by Skill India, The Ministry of Skill Development and Entrepreneurship, or another reputable skilling platform as enlisted by the University. This initiative aims to enhance skill-sets and employability.
- 2.6 In the 8<sup>th</sup> semester, a full-time internship in the relevant industry/company/central-state-funded project needs to be carried out by the students under the supervision of the institute mentor.

### 3. Implementation of MOOCs for Post-Graduate Engineering (PG) Programs w.e.f. A.Y. 2024-25

- 3.1 SWAYAM-NPTEL MOOCs will be offered against the regular courses under MOPEC in the 3<sup>rd</sup> semester.
- 3.2 In the 3<sup>rd</sup> semester, the MOOCs will be offered (optional) against the MOPEC course of the regular curriculum. Students who clear MOOC during the 1<sup>st</sup> to 2<sup>nd</sup> semester (i.e. before the commencement of the 3<sup>rd</sup> semester) will be given exemption from the regular professional/open elective course of the 3<sup>rd</sup> semester. Students who are not taking/not completing MOOC will have to study regular Professional/Open Elective courses offered in the 3<sup>rd</sup> semester.

### 4. Implementation of MOOCs and Integration of Skilling-based Courses for MBA / MCA Programs w.e.f. A.Y. 2024-25

- 4.1 SWAYAM-NPTEL MOOCs will be offered in the 3<sup>rd</sup> semester of MBA / MCA against the Multidisciplinary / Elective course of the regular curriculum respectively.
- 4.2 In the 3<sup>rd</sup> semester, the MOOCs will be offered (optional) against the Multidisciplinary / Elective course of the regular curriculum. Students who clear MOOC during the 1<sup>st</sup> to 2<sup>nd</sup> semester (i.e. before the commencement of the 3<sup>rd</sup> semester) will be given exemption from the Multidisciplinary / Elective course of the 3<sup>rd</sup> semester. Students who are not taking/not completing MOOC will have to study a regular Multidisciplinary / Elective course offered in the 3<sup>rd</sup> semester.
- 4.3 MBA / MCA Program shall be inclusive of courses on MOOCs, Indian Knowledge Systems (IKS), Interdisciplinary Course, Value Added Courses, Skills Enhancement Courses (SEC), and Ability Enhancement Courses (AEC) from A.Y. 2024-25.





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## 5. Implementation of MOOCs and Integration of Skilling-based Courses for BBA / IMBA / BCA / IMCA Programs w.e.f. A.Y. 2024-25

- 5.1 SWAYAM-NPTEL MOOCs will be offered against the regular courses under Elective categories in the 4<sup>th</sup> and 5<sup>th</sup> semesters.
- 5.2 In the 4<sup>th</sup> semester, the MOOCs will be offered (optional) against the elective course of the regular curriculum. Students who clear MOOC(s) during the 1<sup>st</sup> to 3<sup>rd</sup> semester (i.e. before the commencement of the 4<sup>th</sup> semester) will be given exemption from the regular elective course of the 4<sup>th</sup> semester. Students who are not taking/not completing MOOCs will have to study a regular elective course offered in the 4<sup>th</sup> semester.
- 5.3 In the 5<sup>th</sup> semester, the MOOCs will be offered (optional) against the elective course of the regular curriculum. Students who clear MOOC(s) during the 1<sup>st</sup> to 4<sup>th</sup> semester (i.e. before the commencement of the 5<sup>th</sup> semester) will be given exemption from the regular elective course of the 5<sup>th</sup> semester. Students who are not taking/not completing MOOCs will have to study a regular elective course offered in the 5<sup>th</sup> semester.
- 5.4 BBA / IMBA / BCA / IMCA Program shall be inclusive of courses on MOOCs, Indian Knowledge Systems (IKS), Interdisciplinary Course, Value Added Courses, Skills Enhancement Courses (SEC), and Ability Enhancement Courses (AEC) from A.Y. 2024-25.

## 6. Role of the Affiliated Institute:

- 6.1 To implement the MOOCs, Each institute which offers BE, ME, Diploma Engineering, MBA, BBA, IMBA, MCA, BCA and IMCA programs must establish the SWAYAM-NPTEL Local Chapter by nominating one senior faculty member as SPOC (Single Point of Contact) as per SWAYAM guidelines. These Local Chapters will work in coordination with GTU.
- 6.2 It is mandatory for students to apply through the local chapter of institutes. Each student needs to select its own institute as well as University while doing the registration of MOOC.
- 6.3 Each institute needs to add /update local chapter details in the GTU admin panel (under NPTEL menu) without fail for necessary authentication. (URL: <https://www.gtuexams.in/>).
- 6.4 Each college/institute will publicize MOOCs through this Local Chapter. Students should be guided properly for MOOCs at institute level. SPOC/Mentor needs to create awareness among students and encourage them to enroll in the MOOCs.
- 6.5 For processing the result, the University will consider the data of only those students who are registered through the institute's Local Chapter.
- 6.6 The list of the MOOCs (for Even Term and Odd Term) will be uploaded on the official website of GTU and students have to select MOOCs only from the list displayed on GTU website. It will be the sole responsibility of the institutes to make sure that their students have selected the MOOCs from the same list.





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- 6.7 The SPOC will be responsible for allocating the mentor on the SWAYAM portal to the students who opted for MOOCs, and the mentor will be responsible for monitoring the student's progress ensuring all the mandatory requirements to complete the MOOCs within the time limit.
- 6.8 The mentor will be responsible for locking the grade on the GTU exam portal in coordination with SPOC as and when informed by the University.
- 6.9 Student is instructed not to claim the same subject more than once. Mentor / SPOC will be responsible to verify the same before entering the marks on portal. If University finds any discrepancy later on, credits of MOOCs will not be transferred.
- 6.10 MOOCs results of those students have to be uploaded by Institutes who have obtained a total minimum 40 marks (of all components) and received a certificate from NPTEL/SWAYAM.
- 6.11 The teaching load for the faculty / mentor associated with the MOOC will be considered 2 hours per week for the term per MOOC.
- 6.12 Faculty Members, SPOC, Mentor and students, are informed to go through the latest MOOCs guidelines available on GTU website and all details of Courses on NPTEL / SWAYAM.

## 7. Guidelines for Board of Study (BoS) to Identify Courses and Credits:

7.1 BoS is required to suggest appropriate MOOCs from the list of SWAYAM-NPTEL, published during each semester, against Professional/Open Elective Courses / Elective Courses offered by the University during semesters as mentioned in the guidelines.

7.2 **Course Eligibility Criteria:** The suggested MOOCs must meet the following criteria:

- The course should be offered by **recognized platforms** such as SWAYAM/NPTEL.
- The content should be **relevant to the branch/discipline**.
- The course must have **minimum credit(s)** as per the teaching scheme against which the MOOC is offered.
- Only upcoming semester MOOCs (offered by NPTEL / SWAYAM) should be recommended.**
- The BoS must **verify the enrolment date and exam registration date before recommending the course.**
- BoS will be required to submit the list of MOOCs against electives at the beginning of every semester as soon as the list is published by SWAYAM-NPTEL.

### 7.3. Submission Format for Recommending MOOCs

The BoS must submit the details of each recommended MOOC in the following format:

- a. Enrollment Start Date: \_\_\_\_\_ b. Enrollment End Date: \_\_\_\_\_
- c. Exam Registration End Date: \_\_\_\_\_

List of MOOCs for Students enrolled in A.Y. _____ (Odd / Even)											
Name of Program: Diploma Engineering/BE/ME/BBA/IMBA/MBA/BCA/IMCA/MCA											
Sr. No.	Branch Name	Br. Code	Sem	Course ID	Category (MOPEC/PEC)	Subject Name	Faculty Name	Offering Institute	Duration (Weeks)	Credits	Link





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7.4 As per SWAYAM guidelines, the courses for credit transfer can be decided based on following criteria -

Sr. No.	No. of Weeks	Learning Hours	Recommended Credits
1	4 Weeks	15	01
2	8 Weeks	30	02
3	12 Weeks	45	03
4	16 Weeks	60	04

## 8. Frequently Asked Questions (FAQs):

S. No.	Questions	Answers
1.	Is it compulsory for all students to opt for MOOCs?	NO, MOOCs are not mandatory. It is optional but highly recommended. Students can opt for any MOOC (enlisted by the University) of his / her choice.
2.	What the students will study if they are not taking/not completing MOOCs.	Students, who are not taking/not completing MOOCs, will have to study regular subjects offered in the respective semester.
3.	What if a student is not satisfied with the scores earned in MOOCs.	Students can study regular subjects offered by the institute if he/she is not satisfied with the scores earned in MOOCs. In this case, at the time of elective entry, the student / institute has to select the name of the regular subject instead of MOOC.
4.	When can students register for MOOCs?	Students who want to opt for MOOCs can register from the first semester onwards till the commencement of academic term of respective semester in which he / she is eligible for exemption.
5.	How will the students select subjects for MOOCs?	GTU will declare the list of MOOCs.
6.	Can students choose any online course?	NO, Students have to complete MOOCs (offered by NPTEL / SWAYAM) from the list provided by the University.
7.	Will GTU conduct remedial exams for MOOCs?	NO, Remedial exams will not be conducted by GTU.
8.	How will the entry of MOOCs subjects be done by students at the time of entry of elective subjects?	Cumulative subjects of all MOOCs offered by GTU will be displayed to select elective subjects.
9.	How will the subjects be selected if the list of MOOCs changes in the upcoming semester?	MOOCs list will be reviewed by the Board of studies periodically and displayed on GTU website before commencement of the semester.





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10.	Will University consider credits for these MOOCs?	YES, Students will get appropriate credits as per Teaching Scheme of respective subjects if they clear subjects from the list of MOOCs.
11.	Will the name of MOOC appear in the Marksheet?	YES, the name of cleared MOOC will be printed in the marksheet.
12.	Who will pay the fees for the examination of MOOC?	Fees for the examination of MOOCs will be paid by students.
13.	To whom students have to contact in case of any query related to MOOCs?	University has appointed Academic Coordinator / SPOC / Mentor in each affiliated institute. Students can contact him /her or any other appointed faculty member at the institute.
14.	What important points need to be considered by students to easily clear the MOOCs?	Students will have to ensure that all assignments are timely submitted, examination registration are timely carried out and other mandatory requirements are completed within the timeline of MOOCs.
15.	Where will the external examination of MOOCs be conducted?	Students will have to provide the preference order of cities for proctored examination. Examination Centre will be allocated by NPTEL / SWAYAM.
16.	Is it possible to change the examination Centre?	NO, it is not possible.
17.	Does NPTEL conduct remedial exams for MOOC in the same semester?	NO, remedial exams are not conducted. Students will have to again select the same/ new subject in the next semester from the list of MOOCs offered by GTU.
18.	What if the results of MOOCs are not declared before the commencement of the new semester?	It is advisable to get the final certificate of MOOC before the commencement of the new semester to get the exemption in regular subjects.
19.	Is there any possibility to extend the date of producing the MOOCs certificate to get the exemption in regular subjects?	NO, University will not entertain any such request so make sure that you have cleared the opted MOOC well in advance.
20.	Whether GTU will collect the fees of exempted courses from students or not?	NO, Fees of exempted courses will not be collected by GTU.
21.	What if the examination of GTU and MOOCs are declared to be conducted on the same date?	GTU will not conduct regular / remedial exams of other subjects on the dates of exam declared by NPTEL / SWAYAM for MOOCs. Examination timeline will be decided in advance as per the timeline of MOOCs exams.
22.	What if the MOOC is not available against regular courses in my branch in the list displayed by GTU?	University and BoS will try to offer MOOCs against each elective. Furthermore, if a MOOC is not available in the list, students must select subject from the elective subjects offered by the institute



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## 9. Examination Related Guidelines:

9.1 The guidelines for implementation of MOOCs will be applicable for all programs (Diploma Engineering / Undergraduate Engineering (UG) / Post-Graduate Engineering (PG) / BBA / IMBA / MBA / BCA / IMCA / MCA) w.e.f. A.Y. 2024-25.

9.2 Subject code of the MOOCs assigned by SWAYAM / NPTEL will be considered as a GTU subject code.

9.3 Marks obtained from SWAYAM / NPTEL only will be considered for result declaration. GTU will consider the consolidated score (%) of MOOCs given by SWAYAM / NPTEL as marks of that subject achieved in the 'E' component. Marks will not be considered under M, I and V components.

9.4 Maximum and minimum marks will be considered 100 and 40 respectively. However, if there is any variation in minimum marks offered by SWAYAM / NPTEL then that will be considered as minimum marks by GTU. Current grading system will be utilized to award grades. It will be considered for the calculation of SPI, CPI & CGPA.

9.5 Backlog will not be considered for detention.

9.6 Marks of MOOCs will be considered for gracing in other subjects as per university norms.

9.7 Recheck & Reassessment can't be provided.

9.8 RTI will not be entertained.

9.9 From those students who are paying exam form fees to NPTEL / SWAYAM and clear MOOCs, University will not charge any exam fees for the subject (only in the programs where fee is charged per subject) in which exemption has been given. Other students, who opt for regular subjects, will have to pay exam form fees as per GTU norms.

9.10 Subjects of MOOCs will be displayed in the Marksheet.

9.11 The credits of MOOCs shall be reflected in the student's marksheet as per the teaching scheme of the respective subject.

9.12 For any matter related to credit transfer against MOOCs, University decision shall remain final.

  
16/4/25  
Registrar