



Bharatiya Vidya Bhavan's
SARDAR PATEL COLLEGE OF ENGINEERING
(Government Aided Autonomous Institute under Mumbai University)
Andheri (W) Mumbai - 400058



ACADEMIC RULES

**(B. Tech and M. Tech. Working
Professional)**

Academic Year
2026_27

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1. B. Tech. and M. Tech. Working Professional programmes offered by the Institute:

Institute offers AICTE approved and University of Mumbai affiliated B. Tech. major programmes for working professional as

Table 1: B. Tech. Working Professional programmes of study offered by the institute

SR. NO.	NAME OF THE PROGRAMME IN MAJOR ENGINEERING
i)	B.Tech. in Civil Engineering
ii)	B.Tech. in Mechanical Engineering
Iii)	B. Tech in Electrical Engineering

Institute offers AICTE approved and University of Mumbai affiliated M. Tech in Civil Engineering with specialization in Structural Engineering Programme

2. STRUCTURE OF THE PROGRAMMES

2.1.Course Credit Scheme

Regulation R23 [R23]: Applicable to students who are admitted from academic year 2024-2025 (B.Tech. Civil/ Mechanical) and from academic year 2026_2027 (B. Tech Electrical/ M. Tech in Civil Engineering with specialization in Structural Engineering) till next regulation for B. Tech. /M. Tech Working Professional. The student shall be awarded as B. Tech. in [Major] Engineering with Minor in [Multidisciplinary] for B. Tech programmes.

2.2. Categorization of Courses

Every B. Tech. Working professional Programme shall have a course credit system [Regulation 23] (R 23) consisting of theory and laboratory/tutorial courses that shall be categorized as follows:

- **Basic Sciences Course (BS)** courses include Mathematics.
- **Professional Core Course (PC)** courses include the core courses, both theory and laboratory relevant to the chosen specialization/branch.
- **Professional Elective Course (PE)** courses include the elective courses relevant to the chosen specialization/branch. The elective courses are grouped as per streams / tracks related to the branch of engineering.
- **Open Elective Course (OE)** interdisciplinary courses offered by department to all department students.
- **Online Course (OC)** courses offered by SWAYAM, NPTEL
- **Project Course (PR)** courses involving project work by group of students

under the supervision of department faculty..

- **Work based project (IT):** A student can complete internship in industry or research institute and get industry/research
- **Vocational (VS) and Skill Enhancement (SE) Courses:** courses will provide hands on experience. It will focus on how to do something specific which can be put to immediate use.
- **Value Education Course (VE):** Courses such as Understanding India, Environmental Science/Education, and Digital and Technological Solution, Universal Values and Human Ethics.
- **Ability Enhancement Course (AE):** Courses such as Communication skills, Modern Indian language.
- **Co-curricular Course/ Activity (CC):** Based on course/activity such as Health and Wellness, Yoga education sports, and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/ Visual/ Performing Arts
- **Community Engagement / Field Project (CP/FP):** Project in core for social cause.
- **Institute Compulsory Course (IC):** Course Research Methodology and Ethics is compulsory for all students
- **Compulsory Multidisciplinary Minor (MI):** The Minor courses may be from the different disciplines of the Engineering faculty, or they can be from different faculty altogether.

M. Tech. Working professional Programme shall have a course credit system [Regulation 23] (R 23) consisting of theory and laboratory/tutorial courses that shall be categorized as follows:

- **Professional Core Course (PC)** courses include the core courses, both theory and laboratory relevant to the chosen specialization.
- **Programme Elective Course (PE)** courses include the elective courses relevant to the chosen specialization.
- **Open Elective Course (OE)** interdisciplinary courses offered by department to all department students
- **Online Course (OC)** courses offered by SWAYAM, NPTEL
- **Dissertation (DS)** courses involving project work by students under the supervision of department faculty. The research work can either be full time in college or as project based internship with in industry.
- **Vocational (VS) and Skill Enhancement (SE) Courses:** courses will provide hands on experience. It will focus on how to do something specific which can be put to immediate use.
- **Value Education Course (VE):** Courses such as Understanding

India, Environmental Science/Education, and Digital and Technological Solution, Universal Values and Human Ethics

- **Ability Enhancement Course (AE):** Courses such as Communication skills, Modern Indian language.
- **Co-curricular Course/ Activity (CC):** Based on course/activity such as Health and Wellness, Yoga education, sports and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/ Visual/ Performing Arts
- **Field or Community Engagement Project (CEP):** Project in core for social cause
- **Indian Knowledge System (IK):** Courses such as Indian Traditional Knowledge, Constitution of India.

2.3. Credit Assignment

Each course is assigned certain number of credits as given in Table 2.

Table 2: Course credits and contact hours per week

Contact period per week	CREDITS
1 Lecture hour	1 *
1 Tutorial hour	1 *
2 Laboratory hours	1 *
3 Internship hours	1

*1 credit corresponds to 30 Hours of student engagement in a semester. Apart from actual contact hours (L T P), the remaining hours are used for self-learning by students.

Notes for B. Tech Programmes:

1. All courses are credit courses.
2. The courses of types BS, ES, PC, PE, OE, MI, AE, IK, INT, PR, CP/FP, VE, VS, SE, IC and IT shall be evaluated for grades S, A, B, C, D, E, F, RC and considered for CPI calculation
3. The course CC shall be graded as PASS or NO PASS and not considered for CPI calculation.
4. Student can opt for an OC available on SWAYAM portal (<https://swayam.gov.in/>) or NPTEL portal (<https://onlinecourses.nptel.ac.in/>) subject to approval from department course committee. After successful completion of the course, the course title can appear on the grade card of the student.
5. The project course evaluation shall be absolute as mentioned in “Credit System”.

Notes for M. Tech Programme :

1. All courses are credit courses.
2. The courses of types PC, PE, OE, SE, VSC, DS, AE, IK, CEP, and VE shall be evaluated for grades S, A, B, C, D, F, RC and considered for CPI calculation
3. Student can opt for an OC available on SWAYAM portal (<https://swayam.gov.in/>) or

NPTEL portal
(<https://onlinecourses.nptel.ac.in/>) subject to approval from department course committee as per the credit scheme. After successful completion of the course, the course title can appear on the grade card of the student.

4. The in semester and End semester evaluation of NPTEL/ SWAYAM courses shall be done by institute or mapped with SWAYAM/ NPTEL certificate. The decision of the same shall be taken by HoD and Dean Academics. The conversion of score on NPTEL certificate into SPCE grades shall be as mentioned in Examination Rules. If the student fails in SWAYAM/ NPTEL course Reexamination/ Previous semester examination of the same shall be conducted by the Institute. In semester evaluation for Re-examination shall be based on the points awarded for assignments by SWAYAM/ NPTEL and/or given by assigned course instructor/examiner.

3. DURATION OF THE PROGRAMMES

B. Tech. Programmes:

The duration of the programme is six semesters. Exit after first and second year is permitted by earning additional 6 credits through Skill Enhancement Courses and Internship/ Mini project as mentioned in credit system. The exit courses can be conducted by department or offered by department in collaboration with Industry or Academic institutes. Department course committee shall approve and publish the list of such courses at the start of semester. The evaluation of such courses shall be as per credit system

Table 3 indicates the exit year, required credits and corresponding award.

Table 3 : Exit year, Credits required for exit and Award

Exit Year	Credits Required for Exit	Award
First	50	UG Diploma
Second	94	B. Vocational
Third		B. Tech. in [Major] Engineering with Minor in [Multidisciplinary]

M. Tech. programmes:

M. Tech programme is two years (Four semesters) programme

4. COURSE ENROLLMENT AND REGISTRATION

- 4.1. Each student, on admission shall be assigned to a Faculty Advisor/Mentor who shall counsel the student about the academic programme and the choice of courses for registration.

4.2. The eligible student shall get registered for all core and mandatory courses of the concerned semester. The student shall register for other than these courses as per the schedule prescribed by department. PE and OE courses shall be run subject to minimum 5 students opting for the same. The maximum number of students who can register for PE and OE courses shall be decided based on available resources by Head/Heads of the Department.

4.3. Only those students shall be eligible for 4.2 who have:

4.3.1. Eligibility as per exam rules.

4.3.2. Not been debarred from registration of courses on any other specific ground.

4.3.3. Cleared all dues of the College, Hostel and Library including fines (if any) of all the previous semesters.

4.3.4. Made all the required advance payments towards the College and Hostel dues for the current semester.

4.4. A student shall attend the classes, satisfy the attendance requirements, earn Continuous Assessment points and appear for the End Semester Examinations.

5. REQUIREMENTS FOR APPEARING FOR END SEMESTER EXAMINATION

College expects 100% attendance in all “theory, tutorial and laboratory” classes. Assessment of all the courses shall be done in a continuous manner by the way of assignments, tutorials, Quiz/ mini project, presentations, oral, tests etc. as defined in course curriculum of particular course.

However, 25% of relaxation in attendance is granted by Head of the Department on account of medical emergencies, family issues and representing the institute in extracurricular and co-curricular activities, workshops, competitions, hackathons subjected to documentary evidences.

The authority for condonation in less than 75% attendance and granting of term fully, partially (Repeat Course RC grade) or debarment shall be as per following

a> Relaxation from 26% to 30%: Dean Academics

b> Further relaxation of attendance more than 30%: Principal on case to case basis.

If the student is awarded RC grade, he/she shall complete the course whenever it is offered next. If the course in which RC grade is awarded is of type PE/OE, the student may not get the same course. The following is the attendance monitoring system

- Each department shall prepare a spreadsheet for monitoring weekly attendance of the students.
- Attendance of all the courses including lectures, practical, tutorials to be entered by respective course instructors on weekly basis.
- A viewing access of the spreadsheet to be given to all the students through the class

representatives. The student should monitor his/ her attendance weekly and if any discrepancy observed, then it should be brought to the notice of HOD/ Course Instructor.

- First defaulter list to be prepared one week prior to the midterm test by HOD. The defaulter students shall be called for mandatory counseling by Mentor/course instructor.
- The second defaulter list will be prepared by HOD two weeks before the term end. The defaulter students shall be called for mandatory counseling by Mentor/course instructor.
- The list of students having attendance less than 75% shall be forwarded to appropriate authority by HOD for further action.

6. FACULTY ADVISOR/MENTOR

The Head of the Department shall assign a certain number of students to a teacher of the Department, who shall function as Faculty Advisor/Mentor throughout their programme. The mentor shall help students in planning their courses of study and for general advice on the academic programme. The department shall keep the mentorship records for each student.

The faculty advisor/Mentor are expected to

- Inform the students about the various facilities and activities available to enhance the student's curricular and co-curricular activities.
- Counsel regarding enrollment of the courses.
- Monitor the academic and general performance of the students including attendance and counsel them accordingly.

7. COURSE COMMITTEES

7.1. DEPARTMENT COURSE COMMITTEE

The Head of Department shall form Department Course Committee for monitoring and guiding academic activities within the department such as students' course enrollment, enrollment for online/ skill based/ exit courses, internship, enrollment for co-curricular course/activities etc. The committee shall consist of three faculty members from the department.

7.2. INDUSTRY CONSULTATION COMMITTEE(ICC)

The course content of new courses or modification in existing course content shall be reviewed by Industry Consultation Committee (ICC).

While conducting the review following points shall be noted.

- (a) NBA and OBE requirements such as CO/PO alignment, Bloom's taxonomy for assessment.
- (b) AICTE model curriculum as applicable from time to time.
- (c) Criteria prescribed by internationally recognized body for the program (e.g. ASME, ASCE, IEEE, etc.)

(d) Inclusion of related online/SWAYAM course, if any, in reference section of course content.

(e) NEP 2020 Implementation

8. ASSESSMENT PROCEDURES FOR AWARDING POINTS

8.1. Assessment procedure for awarding points shall be in conformance with “Credit System” for the academic programme.

8.2. Every course instructor shall submit action plan for the course he/she has been assigned by Head of the Department. The course instructor shall maintain an “ATTENDANCE AND ASSESSMENT RECORD” which consists of attendance marked in each theory / Laboratory/ Tutorial class, the assessment points and the record of class work. A copy of this record should be submitted to the Head of the Department. Further, the course instructor shall submit analysis of the results/ course outcomes of his/her course as required for NBA/NAAC purposes to the Head of the Department.

9.3 In semester work based project (Sem VIII B. Tech.) is evaluated as per Table 4

Table 4: Internship Evaluation

Stages	No. of Weeks completed	Evaluation bas edon	Evaluator	Points
Stage1	7 weeks	Report 1 presentati on 1	Panel	50 50
Stage2	15 Weeks	Report 2 presentati on 2	Panel	100 100

Total 300 points.

Panel shall include mentor/supervisor from where the student is completing internship and Faculty mentor from department

9.4 Field Project (FP) course (B. Tech.) is included in semester VI for Two credits. The group of 3-4 students shall complete the field project in core addressing social cause. The identified project can be completed in Semester VI or in Semester VI and VII (PR) [depending on the amount of work required and approved by Department Project committee].

The evaluation of FP and PR shall be done in two stages as per Table 5 and Table 6 respectively.

Table 5: Evaluation for FP:

Stages	No. of Weeks completed	Evaluation basedon	Evaluator	Points
Stage1	7 weeks	Report 1 presentation 1	Panel	20 30
Stage2	14 Weeks	Report 2 presentation 2	Panel	20 30

Total 100 points

Table 6: Evaluation for PR:

Stages	No. of Weeks completed	Evaluation basedon	Evaluator	Points
Stage1	7 weeks	Report 1 presentation 1	Panel	50 50
Stage2	14 Weeks	Report 2 presentation 2	Panel	50 50

Total 200 points

9. ELIGIBILITY FOR THE AWARD OF DEGREE

A student shall be declared to be eligible for the award of the **B.Tech. /M.Tech. Degree** provided the student has

- Successfully completed the course requirements and passed all the courses prescribed in all the semesters.
- Successfully earned the required number of total credits as specified in the Course Credit System.
- No disciplinary action pending against the student.
- Cleared all dues of the college.

10. Minor, Honors and Honors with research for B. tech Programmes

The student shall opt for Honors or Honors with Research or second Minor degree based on CPI criterion and shall get the same by earning additional 18 credits

The details of the same is available in the document "Minor , Honors and Honors with research".

11. REVISION AND INTERPRETATION OF ACADEMIC RULES AND REGULATIONS

The institute may from time to time revise, amend or change the Regulations, course plan and credit system of examinations through the Academic Council

NOTE:

1. In case of any ambiguity in the interpretation of rules and regulations of this document, the decision of Chairman of Academic Council shall be final.
2. For situations not covered under these rules, Chairman Academic Council shall take interim decisions on case to case basis.