



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



ACADEMIC RULES

(B. Tech Working Professional)

Academic Year
2024_2025

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1. B. 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

2. STRUCTURE OF THE PROGRAMMES

2.1.Course Credit Scheme

Regulation R23 [R23]: Applicable to students who are admitted from academic year 2024-2025 till next regulation for B. Tech. Working Professional. The student shall be awarded as B. Tech. in [Major] Engineering with Minor in [Multidisciplinary].

2.2. Categorization of Courses

Every B. Tech. Working professional Programme shall have a course credit system [Regulation 23] (R23) 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..
- **Internship (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.

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

Notes:

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.

3. DURATION OF THE 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]

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 5.2 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

6.1 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, minimum requirement for the semester attendance in each head shall be 75% considering all special cases [refer 6.1]. Absenteeism in any of the courses is to be reported by concerned course instructor to the Head of the Department regularly at the interval of two weeks and student and his/her parents to be informed accordingly by the concerned course instructor. Concerned course instructor shall counsel the student having less attendance and record reasons of the absenteeism. Proper documentation of communication to the student and parents are to be maintained by concerned course instructor. Course instructor shall provide his remarks on the attendance of such student and eligibility of such student for the end semester and re-examination. The student shall be awarded Repeat Course(RC) grade if he/she is completely absent for Continuous Internal Evaluation (Test 1, Test2, IE, Term work as applicable) or he/ she is made ineligible to appear for end semester examination due to lack of attendance as decided by the course instructor. The student 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 or may not get the same course.

6.2 If a student secures lesser attendance in any course in the current semester due to medical reasons (hospitalization/accident/specific illness) or due to participation in the College/ University / State / National / International level Sports events/examinations with prior permission from the Course Instructor, Chairman Gymkhana/ Technical Event coordinator, Head of the Department, he/she shall be given exemption from the prescribed attendance requirement and the student shall be permitted to appear for the end semester examination of that course. In all such cases, the students should submit the required documents of his/her absence to Course instructor.

7 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.

8 COURSE COMMITTEES

8.1 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.

8.2 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

9 ASSESSMENT PROCEDURES FOR AWARDING POINTS

9.1 Assessment procedure for awarding points shall be in conformance with "Credit System" for the academic programme.

9.2 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.

10 ELIGIBILITY FOR THE AWARD OF DEGREE

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

- Successfully completed the course requirements and passed all the courses prescribed in all the eight 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.

11 Minor , Honors and Honors with research

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".

12 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 & regulations, Chairman Academic Council shall take interim decisions on case to case basis.