

 <p>Estd. 1962 "A++" Accredited by NAAC (2021) With CGPA 3.52</p>	<p><b>SHIVAJI UNIVERSITY, KOLHAPUR</b> <b>416 004, MAHARASHTRA</b> PHONE : EPABX - 2609000, BOS Section - 0231-2609094, 2609487 Web : <a href="http://www.unishivaji.ac.in">www.unishivaji.ac.in</a> Email : <a href="mailto:bos@unishivaji.ac.in">bos@unishivaji.ac.in</a> <b>शिवाजी विद्यापीठ, कोल्हापूर</b> <b>४१६ ००४, महाराष्ट्र</b> दूरध्वनी - इपीबीएक्स - २०६०१०००, अभ्यासमंडळे विभाग : ०२३१- २६०९०९४, २६०९४८७ वेबसाईट : <a href="http://www.unishivaji.ac.in">www.unishivaji.ac.in</a> ईमेल : <a href="mailto:bos@unishivaji.ac.in">bos@unishivaji.ac.in</a></p>		
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जा.क./शि.वि./अं.म./ 569

दिनांक:- २२/१०/२०२४

प्रति,

मा. प्राचार्य /संचालक,  
सर्व संलग्नित अभियांत्रिकी महाविद्यालये ,  
शिवाजी विद्यापीठ, कोल्हापूर

**विषय:-** राष्ट्रीय शैक्षणिक धोरण - २०२० नुसार संलग्नित अभियांत्रिकी  
महाविद्यालयाच्या अभ्यासक्रमाची नियमावलीबाबत.

**संदर्भ -** जा.क./शि.वि./अं.म./४८९ दिनांक:- २७/०८/२०२४

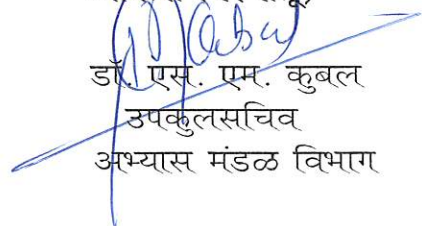
महोदय,

उपरोक्त संदर्भिय पत्रान्वये राष्ट्रीय शैक्षणिक धोरण २०२० नुसार सर्व संलग्नित अभियांत्रिकी  
महाविद्यालयाच्या बी.टेक. अभ्यासक्रमाची नियमावली शैक्षणिक वर्ष २०२४-२५ पासून लागू  
करण्यात आली असून योग्यत्या दुरुस्त्या करण्यात आल्या आहेत.

किरकोळ दुरुस्तीसह सदरची नियमावली विद्यापीठाच्या <https://www.unishivaji.ac.in/syllabusnew/Circulars>  
या संकेस्थळावर उपलब्ध आहे. तरी ती सर्व संबंधितांच्या निदर्शनास आणावी.

कळावे.

आपला विश्वासू,

  
डॉ. एस. एम. कुंबल  
उपकुलसचिव  
अभ्यास मंडळ विभाग

प्रत :- माहितीसाठी

स्वीय सहायक, मा. कुलगुरु कार्यालय  
स्वीय सहायक, मा. प्र.कुलगुरु कार्यालय,  
स्वीय सहायक, मा. कुलसचिव कार्यालय  
माहितीसाठी व पुढील योग्यत्या कार्यवाहीसाठी

मा. संचालक, परीक्षा व मुल्यमापन मंडळ	प्र. अधिष्ठाता, विज्ञान व तंत्रज्ञान विद्याशाखा
अध्यक्ष, सर्व अभियांत्रिकी अभ्यास व अस्थायी मंडळे	इतर परीक्षा ४ विभागास.
परीक्षक नियुक्ती ए व बी विभागास.	संलग्नता टी. १ व टी. २ विभागास
पीजी प्रवेश विभागास	पीजी सेमिनार विभागास
संगणक केंद्र / आयटी सेल	पात्रता विभागास

**SHIVAJI UNIVERSITY, KOLHAPUR**  
**Bachelor of Technology (B. Tech.) Programme**  
**Under Faculty of Science & Technology (NEP 2020)**  
**Rules and Regulations**

(To be implemented from the academic year 2024-25)

Sr. No.	Rules and Regulations						
<b>R. R. B. Tech. 1</b>	<p><b>Definition of Credit</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: center;">1 Hr. Lecture (L) per week</td> <td style="text-align: center;">1 Credit</td> </tr> <tr> <td style="text-align: center;">1 Hr. Tutorial (T) per week</td> <td style="text-align: center;">1 Credit</td> </tr> <tr> <td style="text-align: center;">2 Hr. Practical(Lab) per week</td> <td style="text-align: center;">1 Credit</td> </tr> </table> <p>The teaching and examinations scheme shall be according to the structure and syllabi prescribed, course to such revision, modification, etc. made from time to time.</p>	1 Hr. Lecture (L) per week	1 Credit	1 Hr. Tutorial (T) per week	1 Credit	2 Hr. Practical(Lab) per week	1 Credit
1 Hr. Lecture (L) per week	1 Credit						
1 Hr. Tutorial (T) per week	1 Credit						
2 Hr. Practical(Lab) per week	1 Credit						
<b>R. R. B. Tech. 2</b>	<p>In first year of B. Tech course, there are two academic groups in each semester, namely</p> <ol style="list-style-type: none"> <li>1. Engineering Physics Group and</li> <li>2. Engineering Chemistry Group</li> </ol> <p><b>Allotment of groups to students:</b></p> <p><b>a) Semester I:</b> Approximately 50% programme from each college will be admitted to Engineering Physics Group and remaining will be admitted to Engineering Chemistry Group. The concerned college will decide the number and names of the students to be admitted in Engineering Physics and Engineering Chemistry Groups and inform the same to the Shivaji University, Kolhapur.</p> <p><b>b) Semester II:</b> The students for Engineering Physics Group in semester-I will be admitted to Engineering Chemistry Group in semester-II. The students for Engineering Chemistry Group in semester-I will be admitted to Engineering Physics Group in semester-II.</p>						
<b>R. R. B. Tech. 3</b>	<p>The result of four year B. Tech. programme will be declared semester wise. The examination will be conducted semester wise and will be consisting of either/ all of the following (As prescribed in the structure) :</p>						

	<ol style="list-style-type: none"> <li>1. Theory paper [includes Mid Semester Examination (MSE) and End Semester Examination (ESE)].</li> <li>2. Term-Work [In Semester Evaluation/Continuous Assessment (ISE/CA)].</li> <li>3. Practical and/or Oral Examination.</li> <li>4. Oral</li> </ol>
<p><b>R. R. B. Tech. 4</b></p>	<p><b>Assessment method:</b></p> <ol style="list-style-type: none"> <li>1. Each course is of 6 units with few exceptional courses.</li> <li>2. The Theory exam shall be consisting of MSE and ESE. The weightage of MSE shall be 30% and of ESE shall be 60%.</li> <li>3. ESE paper setting weightage will be 25% on syllabus covered for MSE (First Three Units) and 75% on remaining syllabus (Last Three Units).</li> <li>4. The number of optional questions marks in a theory paper shall be 25 to 30 percent of the maximum marks.</li> <li>5. Preferably, a theory question paper should be set covering entire syllabus as per clause 2 above.</li> <li>6. The continuous assessment report (CAR) of TW shall include attendance for practicals, involvement and understanding of concepts / principles involved in practical / neatness in presentation and punctuality in submission etc. However, a subject teacher may decide the breakup of marks in CAR as per the nature of content in syllabus of his concerned practical subject.</li> <li>7. The TW should be assessed regularly and evaluated through CAR.</li> <li>8. The scheme of marking of TW will be bring to the notice of students prior to the start of semester.</li> <li>9. The marks of TW / OE / POE shall be submitted to University in prescribed format within stipulated period.</li> <li>10. The ESE for laboratory will consists of Internal Evaluation (IE) and/or External Evaluation (EE). There will be no EE for laboratory courses of the First Year. The entire ESE assessment of First Year for laboratory courses will be by two internal examiners only, Out of which, one should be respective course coordinator.</li> <li>11. The EE of ESE for laboratory courses will be carried out from the semester-III onwards, by one Internal Examiner and one External Examiner.</li> </ol>
<p><b>R. R. B. Tech. 5</b></p>	<p><b>Passing criteria:</b></p> <ol style="list-style-type: none"> <li>1. Passing with 40% marks is mandatory in ESE theory. The duration of ESE</li> </ol>

	<p>theory examination will be 02:30 Hrs. For Engineering Graphics subject of F. Y. B. Tech, it will be of 03:00 Hrs. Combined passing marks (MSE+ISE/CA+ESE) for theory course are 40%.</p> <ol style="list-style-type: none"> <li>2. MSE will be based on 50% syllabus from beginning (First Three Units).</li> <li>3. No compulsory passing for MSE.</li> <li>4. Compulsory passing percentage for ISE/CA of theory and practical is 40%.</li> <li>5. Compulsory passing percentage for ESE practical / oral examination 40%.</li> <li>6. Student should clear all first year passing heads before admits to third year and clear all second year passing heads before admits to fourth year.</li> <li>7. Aggregate of a particular year (both the semesters) shall considered as a separate head of passing for the result of that concerned year and 45 % aggregate score is mandatory. The student not fulfilling this criterion can improve the score of 45% aggregate through appearing in re-examination for maximum of three theory courses.</li> <li>8. If student fails to improve the score of 45% aggregate through appearing in re-examination then he/she can improve the score of 45% aggregate by re-appearing in subsequent concern odd semesters (3, 5, 7) or concern even semesters (4, 6, 8) ESE of theory course examination in next academic year.</li> </ol>
<p><b>R. R. B. Tech. 6</b></p>	<p><b>Term Work :</b></p> <p>The term work shall be assessed based on performance of the student in practical and tutorial hours. The term work is to be assessed weekly. Student should clear the Term Work.</p>
<p><b>R. R. B. Tech. 7</b></p>	<p><b>Academic Progress Rules:</b></p> <ol style="list-style-type: none"> <li>1. A student who has been detained in a regular semester and obtained 'XX' grade (Zero grade point) can Re-register for the next regular semester whenever it is offered.</li> <li>2. The maximum duration for getting B. Tech. degree for students admitted in the first semester of U.G. programme will be 16 semesters (eight academic years) while for lateral entry students admitted in the third semester will be 14 semesters (seven academic years) from their date of admission. The maximum duration of the programme includes the period of withdrawal, absence and different kinds of leaves permissible to a student but excludes the period of rustication of a student from the department.</li> </ol>

3. Students, opting for exits at any level, will have the option to re-enter the programme from where they had left off, in the same or in a different higher education institution within four years of exit and complete the degree programme within the stipulated maximum period of eight years from the date of admission to first year UG.
4. If a student is unable to gain all credits of first year in three years from the date of the admission, then the candidate will be declared as “Not Fit for Engineering” leading to discontinuation of candidate’s registration from the department/Institute.

**R. R. B. Tech. 8**

**Absentee to Mid Semester Examination (Test):**

Cases of students who are unable to appear for the Mid Semester Examination (Test) due to circumstances beyond their control (Hospitalized student, Death of father, mother, grandmother, grandfather, son, daughter, brother or sister, Natural disaster, Player of team of Zonal, Inter zonal or University team), Avishkar Competition, University cultural programs like Youth festival, the case will be considered by the Principal on the merits basis. In such case Mid Semester Examination (Test) may be conducted separately for those students within 15 days after regular Mid Semester Examination (Test) schedule.

**R. R. B. Tech. 9**

The Semester Grade Point Average (SGPA) shall be calculated for each semester and Cumulative Grade Point Average (CGPA) shall be calculated at the end of all semesters.

The standard of passing shall be in accordance with the following table :

Marks Obtained	Numerical Grade (Grade Point)	CGPA	Letter Grade
Absent	0 (zero)	-	-
0 – 39	0 (zero)	0.0 – 4.99	F (Fail)
40 – 49	5	5.00 – 5.49	C
50 – 59	6	5.50 – 6.49	B
60 – 69	7	6.50 – 7.49	B+
70 – 79	8	7.50 – 8.49	A
80 – 89	9	8.50 – 9.49	A+
90 – 100	10	9.50 – 10.0	O (Outstanding)

**Note :**

The award of the final Grade for the degree of B. Tech. shall be

calculated based on CGPA.

**Calculation of SGPA and CGPA:**

1. Semester Grade Point Average (SGPA)

$$SGPA = \frac{\sum(\text{Course credits} \times \text{Grade points obtained}) \text{ of a Semester}}{\sum(\text{Course credits}) \text{ of respective Semester}}$$

2. Cumulative Grade Point Average (CGPA)

$$CGPA = \frac{\sum(\text{Total credits of a Semester} \times \text{SGPA of respective Semester}) \text{ of all Semesters}}{\sum(\text{Total course credits}) \text{ of all Semesters}}$$

1. Marks obtained  $\geq 0.5$  shall be rounded off to next higher digit.
2. The SGPA & CGPA shall be rounded off to 2 decimal points.
3. CGPA will be calculated cumulatively from Sem. I to Sem. VIII for regular students and from Sem. III to Sem. VIII for lateral entry students.

**Note:** An equivalent certificate of CGPA to percentage of marks will be provided to student on candidate's demand after remitting prescribed fees by Shivaji University.

**R. R. B. Tech. 10**

**Evaluation System:**

1. A candidate who fails to clear all heads of passing (Including aggregate marks) at an Examination shall be exempted at a subsequent attempts from appearing in a head or heads of passing in which he has secured 40% or more marks and these marks will be carried over for the purposes of aggregate and he will be declared to have passed in the examination when he passes.
2. A candidate who has cleared all heads of passing but has failed in aggregate for passing the examination has a choice to reappear for any theory paper/papers so as to enable him/her to secure aggregate marks.
3. A candidate passing the B. Tech. Examination by reappearing examination will not be eligible for a prize or scholarship at the Degree Examination.
4. The CGPA be calculated for the B. Tech programme on the basis of actual number of marks obtained irrespective of the number of attempts.

**R. R. B. Tech. 11**

**Awards of Grades for Re-Examination:**

1. There will be Re-examination for all failure ESE theory/practical courses in

	<p>a year after even semester immediately the result declaration of ESE and before the commencement of next academic year.</p> <ol style="list-style-type: none"> <li>2. A student will apply for re-examination before the last date of such application and will appear for re-examination.</li> <li>3. In such cases In Semester Examination performance of a student will not be wiped out.</li> <li>4. The weightage similar to ESE will be given to re-examination.</li> <li>5. A student who is eligible for re-examination but remains absent for re-examination will be given grade 'Absent'.</li> <li>6. If the student fails in an odd semesters (1, 3, 5, 7) and/or even semesters (2, 4, 6, 8) in ESE of theory/practical credit course in an academic year shall be allowed to appear for re-examination.</li> <li>7. There will be ESE examination of theory and practical courses of semester 1, 3, 5 and 7 at the end of odd semester, there will be ESE examination of theory and practical courses of semester 2, 4, 6 and 8 at the end of even semester and there will be re-examination for all ESE theory and practical courses from semester 1 to semester 8 after one month of declaration of result of even semester.</li> <li>8. If the student fails to clear the ESE of theory/practical course even in re-examination conducted after even semesters (2, 4, 6, 8) in a year, he/she shall have to re-appear in subsequent concern odd semesters (3, 5, 7) or concern even semesters (4, 6, 8) ESE of theory/practical credit course examination in next academic year for the failed ESE of theory/practical credit course examination of concern odd semester or concern even semester that she/he has failed in previous academic year.</li> <li>9. The candidate can apply for revaluation of photocopy of re-examination for ESE of theory/practical course conducted after even semesters (2, 4, 6, 8).</li> <li>10. A student will be awarded a grade given in Table of <b>R. R. B. Tech. 9</b> depending upon the cumulative marks obtained by him/her in Re-examination.</li> </ol>
<b>R. R. B. Tech. 12</b>	<p><b>Award of Degree:</b></p> <ol style="list-style-type: none"> <li>1. If a student passes all the courses of first year and earns the requisite number of credits, the student will become entitled to Undergraduate Certificate (One year or two semesters) in the faculty of his/her major</li> </ol>

subject. If he/she wants to exit, can exit the programme with UG Certificate. However, for the award of one year UG Certificate in Major with 44 credits, an additional 8 credits from Exit Courses are required to earn.

2. If a student passes all the courses of first year, second year and earns the requisite number of credits, the student will become entitled to Undergraduate Diploma (Two years or four semesters) in the faculty of his/her major subject. If he/she wants to exit, can exit the programme with UG Diploma certificate in hand. However, for the award of two years UG Diploma Certificate in Major with 88 credits, an additional 8 credits from Exit Courses are required to earn.
3. If a student passes all the courses of first year, second year and third year and earns the requisite number of credits, the student will become entitled to three years Bachelor's Degree in Vocational in the faculty of his/her major subject. If he/she wants to exit, can exit the programme with three years Bachelor's Degree in Vocational. However, for the award of three years Bachelor's Degree in Vocational in the faculty of his/her major subject with 132 credits, an additional 8 credits from Exit Courses are required to earn.
4. If a student passes all the courses of first year, second year and third year, fourth year and earns the requisite number of credits (176), the student will become entitled to four years Bachelor's Degree in the faculty of his/her Major Subject with Multidisciplinary Minor. e.g. B. Tech. in Mechanical Engineering with Minor in Computer Engineering, B. Tech. in Computer Science with Minor in Mechanical and Minor in AI etc.
5. For one Major and one Multidisciplinary minor, candidate is required to earn mandatory credits of 176. Under Graduate Degree in Engineering (Major) with a Multidisciplinary Minor (MDM) feature is the fourth vertical (Level 6.0) from the National Credit Framework. For such a candidate the degree offered would be: B. Tech in Major Degree Title with Multidisciplinary Minor. The minor in Emerging Areas with additional credits of 18-20 is add on for two minors. eg. B. Tech in Computer Science and Engineering with Minor in Mechanical Engineering and Minor in AI.



	<p>6. In addition to the credit requirement prescribed above for the Degree award, candidate will have to complete the requirements of Audit Course during the programme. While the performance of the student in audit courses will be included in the Grade Card, these grades do not contribute to SGPA or CGPA of the concerned student. However the passing in Audit Courses is mandatory for every student.</p>
<p><b>R. R. B. Tech. 13</b></p>	<p><b>Rules for Allowing to Keep Term (ATKT):</b></p> <ol style="list-style-type: none"> <li>1. If a candidate fails in any number of courses (subject heads) of Semester I, shall be allowed to proceed to Semester II.</li> <li>2. A candidate who earns 50% of total credits of Level 4.5 [Undergraduate Certificate (One year or two semesters)] shall be allowed to keep terms in Level 5.0 [(S. Y. B. Tech) /Undergraduate Diploma (Two years or four semesters)].</li> <li>3. For direct second year admitted students (at entry level) to concern programme, the earning of additional 2 credits are mandatory. It is required to conduct examination and evaluation for same at institute level at the time of third semester ESE examination and need to submit report to Examination section, Engineering and Technology, Shivaji University, Kolhapur.</li> <li>4. If a candidate fails in any number of courses (subject heads) of Semester III, shall be allowed to proceed to Semester IV.</li> <li>5. A candidate who earns 50% of total credits of Level 5.0 [(S. Y. B. Tech) /Undergraduate Diploma (Two years or four semesters)] shall be allowed to keep terms in Level 5.5 [(T. Y. B. Tech)/Bachelor's Degree in Vocational in the faculty of his/her major subject (Three years or six semesters)].</li> <li>6. No candidate shall be allowed to proceed to Semester V, unless candidate has passed in all courses of Level 4.5 [(F. Y. B. Tech)/Undergraduate Certificate (One year or two semesters)].</li> <li>7. If a candidate fails in any number of courses (subject heads) of Semester V, shall be allowed to proceed to Semester VI.</li> <li>8. A candidate, who earns 50% of total credits of Level 5.5 (T. Y. B. Tech), will be allowed to keep terms in Level 6.0 (Final Year B. Tech).</li> <li>9. No candidate shall be allowed to proceed to Semester VII, unless</li> </ol>

	<p>candidate has passed in all courses of Level 5.0 [(S. Y. B. Tech)/Undergraduate Diploma (Two years or four semesters)].</p> <p>10. If a candidate opts for four year bachelor degree programme and fails in any number of courses (subject heads) of Semester VII, shall be allowed to proceed to Semester VIII.</p> <p>11. If a candidate fails in three or more than three ESE theory courses (subject heads) in a year, then he/she shall not be allowed to proceed for next semester of a year.</p> <p>12. A student who has been detained in a regular semester and obtained 'XX' grade (Zero grade point) can Re-register for the next regular semester whenever it is offered.</p> <p>13. Under the National Education Policy, the rules extended from time to time regarding ATKT will be applicable.</p> <p>14. Eligibility for admission to the UG Bachelor's Degree with Double Minor/Honours /Research as per UGC guidelines: Minimum CGPA/CPI of 7.5 or minimum 75% after second semester for UG Bachelor's Degree with Double Minor/ Honours and Minimum CGPA/CPI of 7.5 or minimum 75% after sixth semester for UG Bachelor's Degree with Research.</p>
<p><b>R. R. B. Tech. 14</b></p>	<p><b>Attendance Rule:</b></p> <p>1. All students must attend every lecture, tutorial and practical class. However, to account for late registration, sickness or other such contingencies, the attendance requirement will be a minimum of 75% of the classes actually held. A student with less than 75% attendance in a course during the semester, in lectures, tutorials and laboratories taken together (as applicable), will be awarded an 'XX' grade (Zero grade) in that course irrespective of his/her performance in the tests.</p> <p>2. Attendance record will be maintained based upon roll calls (or any equivalent operation) in every scheduled lecture, tutorial and practical class. The course coordinator/subject teacher will maintain and consolidate attendance record for the course (lectures, tutorials and laboratories together, as applicable).</p>
<p><b>R. R. B. Tech. 15</b></p>	<p><b>Change of Branch:</b></p> <p>Students will be eligible to apply for Change of Branch after completing the first</p>

	two semesters. The change of branch will be permitted strictly on merit basis subject to the rules and regulations prescribed by Directorate of Technical Education, Maharashtra State/Admission Regulatory Authority, Maharashtra State time to time.
<b>R. R. B. Tech. 16</b>	Relevant amendments in the Rules and Regulations as per the guidelines notified by AICTE/ UGC/University shall be applicable.