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|                        | <p><b>SHIVAJI UNIVERSITY, KOLHAPUR</b><br/> <b>416 004, MAHARASHTRA</b><br/>         PHONE : EPABX - 2609000, BOS Section - 0231-2609094, 2609487<br/>         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></p>                 |  |  |
| <p>Estd. 1962<br/>         "A++" Accredited by<br/>         NAAC (2021)<br/>         With CGPA 3.52</p> | <p><b>शिवाजी विद्यापीठ, कोल्हापूर</b><br/> <b>४१६ ००४, महाराष्ट्र</b><br/>         दूरध्वनी - इपीबीएक्स - २०६०९०००, अभ्यासमंडळे विभाग : ०२३१- २६०९०९४. २६०९४८७<br/>         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> |   |   |

जा.क्र./शि.वि/अं.म./ 489

दिनांक:- 27/8/2024

प्रति,

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

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

महोदय,

राष्ट्रीय शैक्षणिक धोरण — २०२० नुसार संलग्नित अभियांत्रिकी महाविद्यालयासाठीचा  
 अभ्यासक्रम शैक्षणिक वर्ष २०२४—२५ पासून लागू करण्यात आले आहेत. विद्यापीठ  
 अधिकार मंडळांनी राष्ट्रीय शैक्षणिक धोरणानुसार अभ्यासक्रमासाठी आवश्यक नियमावलीस  
 शैक्षणिक वर्ष २०२४—२५ पासून मंजुरी दिली आहे. सोबत सदर नियमावलीची प्रत जोडली  
 आहे. तसेच सदरची नियमावली विद्यापीठाच्या <https://www.unishivaji.ac.in/syllabusnew/Circulars>  
 या संकेस्थळावर उपलब्ध आहे. सदर नियमावली सर्व संबंधितांच्या निदर्शनास आणावी.  
 कळावे.

आपला विश्वासू



डॉ. एस. एम. कुंबल  
 उपकुलसचिव  
 अभ्यास मंडळ विभाग

प्रत :- माहितीसाठी

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

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

**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 Regulation  |
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| <b>R. R. B. Tech. 1</b> | 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.  |
| <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>  |

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| <b>R. R. B. Tech. 4</b> | <p><b>Assessment method:</b></p> <ol style="list-style-type: none"> <li>1. 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>2. 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>3. The number of optional questions marks in a theory paper shall be 25 to 30 percent of the maximum marks.</li> <li>4. Preferably, a theory question paper should be set covering entire syllabus as per clause 2 above.</li> <li>5. 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>6. The TW should be assessed regularly and evaluated through CAR.</li> <li>7. The scheme of marking of TW will be bring to the notice of students prior to the start of semester.</li> <li>8. The marks of TW / OE / POE shall be submitted to University in prescribed format within stipulated period.</li> </ol> |
| <b>R. R. B. Tech. 5</b> | <p><b>Passing criteria:</b></p> <ol style="list-style-type: none"> <li>1. Passing with 40% marks is mandatory in ESE. Combined passing marks (MSE+ISE/CA+ESE) for theory course are 45%.</li> <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. Passing percentage for ESE, practical / oral examination 40%.</li> <li>5. 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> </ol>  |
| <b>R. R. B. Tech. 6</b> | <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>   |
| <b>R. R. B. Tech. 7</b> | <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'</li> </ol>   |

grade can Re-register for the next regular semester whenever it is offered.

2. The maximum duration for getting B. Tech. degree for students admitted in the first semester of U.G. programme will be 12 semesters (six academic years) while for lateral entry students admitted in the third semester will be 10 semesters (five 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.

**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 SGPA shall be calculated for each semester and 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 based on CGPA calculated by excluding first year.

**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.

**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. The student who has obtained grade 'F' in regular odd and even semester courses (subjects) will be eligible to appear for re-examination conducted after even semester before the commencement of the next year regular odd semester.
2. In such cases In Semester Examination performance of a student will not be wiped out.
3. A student will apply for re-examination before the last date of such

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|                          | <p>application and will appear for re-examination.</p> <ol style="list-style-type: none"> <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. 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 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.</li> <li>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.</li> <li>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.</li> <li>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</li> </ol> |

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|                          | Engineering with Minor in Computer Engineering, B. Tech. in Computer Science with Minor in Mechanical and Minor in AI etc.  |
| <b>R. R. B. Tech. 13</b> | <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 [Undergraduate Diploma (Two years or four semesters)].</li> <li>3. If a candidate fails in any number of courses (subject heads) of Semester III, shall be allowed to proceed to Semester IV.</li> <li>4. A candidate who earns 50% of total credits of Level 5.0 [Undergraduate Diploma (Two years or four semesters)] shall be allowed to keep terms in Level 5.5 [Bachelor's Degree in Vocational in the faculty of his/her major subject (Three years or six semesters)].</li> <li>5. If a candidate fails in any number of courses (subject heads) of Semester V, shall be allowed to proceed to Semester VI.</li> <li>6. No candidate shall be allowed to proceed to Semester V, unless candidate has passed in all courses of Level 4.5 [Undergraduate Certificate (One year or two semesters)].</li> <li>7. 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.</li> <li>8. If a candidate opts for four year bachelor degree programme, such candidate shall not be allowed to proceed to Semester VII, unless candidate has passed three year bachelor degree with 7.5 CGPA or 75%.</li> </ol> |
| <b>R. R. B. Tech. 14</b> | Relevant amendments in the Rules and Regulations as per the guidelines notified by AICTE/ UGC/University shall be applicable.   |