



Estd. 1962  
NAAC 'A' Grade  
MHRD-NIRF- 28<sup>th</sup> Rank

SHIVAJI UNIVERISTY, KOLHAPUR-416 004. MAHARASHTRA

PHONE : EPABX-2609000 website- [www.unishivaji.ac.in](http://www.unishivaji.ac.in)

FAX 0091-0231-2691533 & 0091-0231-2692333 – BOS - 2609094

शिवाजी विद्यापीठ, कोल्हापूर – 416004.

दुरध्वनी (ईपीएबीएक्स) २६०९००० (अभ्यास मंडळे विभाग— २६०९०९४)

फॅक्स : ००९१-०२३१-२६९१५३३ व २६९२३३३. e-mail: bos@unishivaji.ac.in

SU/BOS/Sci. & Tech/3006

Date: 26/02/2019

To,

**The Principal/ Director,**  
All affiliated Engineering Colleges/ Institute,  
Shivaji University, Kolhapur.

**Subject :** Regarding Rules & Regulations of M.Tech Part-I,II (Sem. I to IV) Choice Based Credit System (CBCS) under Faculty of Science and Technology.

**Sir/Madam,**

With reference to the subject mentioned above, I am directed to inform you that the University authorities have accepted and granted approval to Rules & Regulations of M.Tech Part-I,II (Sem. I to IV) Choice Based Credit System (CBCS) under Faculty of Science and Technology.

This Rules & Regulations shall be implemented from academic year 2018-19 (i.e. from July 2018) onwards. A soft copy containing Rules & Regulations is attached herewith and it is also available on university website [www.unishivaji.ac.in](http://www.unishivaji.ac.in). (Online Syllabus).

You are therefore, requested to bring this to the notice of all students and Teachers concerned.

Thanking you,

**Yours faithfully,**

**Dy. Registrar**

**Encl-:** as above.

**Copy to-**

- |   |   |                                      |
|---|---|--------------------------------------|
| 1) I/c Dean and Asso. Dean, Faculty of Science & Technology | } | For information                      |
| 2) Director, Examination and Evaluation                     |   |                                      |
| 3) The Chairman, respective BOS / Co-ordinating Committee   |   |                                      |
| 4) O.E. 4 Section   | } | For information & necessary action . |
| 5) Appointment Section                                      |   |                                      |
| 6) Eligibility Section                                      |   |                                      |
| 7) Meeting Section.   |   |                                      |



Estd. 1962

NAAC 'A' Grade

# SHIVAJI UNIVERSITY, KOLHAPUR

## Master of Technology (M. Tech.) (CBCS)

### Rules and Regulations

(To be implemented from academic year 2018-19)

Sr. No.	Rules and Regulations
<b>R.M. Tech. (CBCS) 1</b>	<p>The Teaching and Examination scheme shall be according to the Structure and Syllabi prescribed, subject to revision, modification, etc. as may be made by the Academic Council from time to time on the recommendation of the Boards of Studies under the concerned Faculty.</p>
<b>R. M. Tech. (CBCS) 2</b>	<p>i) The M. Tech. Program shall be of TWO years with FOUR semesters. The Examination shall be conducted semester wise as per prescribed structure and the result shall be declared year wise.</p> <p>ii) There shall be separate heads of passing for</p> <ol style="list-style-type: none"> <li>Theory : CIE (Continuous Internal Evaluation)</li> <li>Theory : ESE (End Semester Examination)</li> <li>Practical and Oral</li> <li>Oral Examination</li> <li>Dissertation and Oral taken together</li> <li>Seminar, mini project</li> </ol> <p>(As prescribed in Structure)</p> <p>iii) A candidate shall not be allowed for appearing the End Semester Examination (ESE) of a particular subject if candidate fails to score minimum passing marks in Continuous Internal Evaluation (CIE) of that subject.</p> <p>iv) Minimum passing percentage in each head shall be of 40% marks.</p>
<b>R. M. Tech. (CBCS) 3</b>	<p>The Term Work (TW) shall be assessed regularly and evaluated through continuous assessment (CA).</p> <p>The scheme of marking of Term Work (TW) shall be displayed and bring to the notice of the students at the time of commencement of semester.</p>
<b>R. M. Tech. (CBCS) 4</b>	<p>A student shall prepare and present a seminar under the guidance of a teacher and shall be assessed by a panel of senior teachers. (As per prescribed in structure)</p>

<p><b>R. M. Tech. (CBCS) 5</b></p>	<p>The numbers of optional question shall be of 25% of the total questions to be attempted.</p> <p>i) When term-work in any subject is assessed the marks will be carried over to subsequent examination, unless the candidate rejoins an affiliated college as a regular students in the corresponding Semester and chooses to submit a fresh term-work</p> <p>ii) Marks obtained in the class tests will also be similarly carried over to the subsequent examination, except in the case of those who rejoin an affiliated college as regular students.</p> <p>iii) A candidate whose marks are thus carried over is eligible for award of class.</p>																																				
	<p><b>Standard of Passing</b></p>																																				
<p><b>R. M. Tech. (CBCS) 6</b></p>	<p>A student shall score at least 40 % marks to be declared as pass in each passing head of the examination.</p> <p>Aggregate of Sem-I &amp; Sem –II of a particular year shall considered as a separate head of passing for the result of that concerned year and minimum marks for passing shall be 50%.</p> <p>A 10- point grading system with corresponding letter grades and percentage of marks, as given below, is followed</p> <p>The SGPA shall be calculated for semester wise and CGPA shall be calculated at the end of all semesters.</p> <p>For calculation of CGPA, a formula given in guidelines shall be used.</p> <p><b><u>Calculation of SGPA &amp; CGPA</u></b></p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>1. Semester Grade Point Average (SGPA)</p> <math display="block">\text{SGPA} = \frac{\sum(\text{Course credits} \times \text{Grade points obtained}) \text{ of a semester}}{\sum(\text{Course credits}) \text{ of respective semester}}</math> </div> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p>2. Cumulative Grade Point Average (CGPA)</p> <math display="block">\text{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}}</math> </div> <p>The standard of passing shall be in accordance with the following table :</p> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Marks Obtained</th> <th>Numerical Grade (Grade Point)</th> <th>CGPA</th> <th>Letter Grade</th> </tr> </thead> <tbody> <tr> <td>Absent</td> <td>0 (zero)</td> <td>-</td> <td>-</td> </tr> <tr> <td>0 – 39</td> <td>0 (zero)</td> <td>0.0 – 4.99</td> <td>F (Fail)</td> </tr> <tr> <td>40 – 49</td> <td>5</td> <td>5.00 – 5.49</td> <td>C</td> </tr> <tr> <td>50 – 59</td> <td>6</td> <td>5.50 – 6.49</td> <td>B</td> </tr> <tr> <td>60 – 69</td> <td>7</td> <td>6.50 – 7.49</td> <td>B+</td> </tr> <tr> <td>70 – 79</td> <td>8</td> <td>7.50 – 8.49</td> <td>A</td> </tr> <tr> <td>80 – 89</td> <td>9</td> <td>8.50 – 9.49</td> <td>A+</td> </tr> <tr> <td>90 – 100</td> <td>10</td> <td>9.50 – 10.0</td> <td>O (Outstanding)</td> </tr> </tbody> </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)
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	<p>a) Candidates Should have secured a CGPA 5.00 or more but less than 6.50 in examination will be declared to have passed the examination in Second Class</p> <p>b) Candidates Should have secured a CGPA 6.50 or more but less than 7.50 in examination will be declared to have passed the examination in First Class</p> <p>c) Candidates Should have secured a CGPA of not less than 7.50 or more marks in examination will be declared to have passed the examination in First Class with Distinction</p> <p>d) Marks obtained <math>\geq 0.5</math> shall be rounded off to next higher digit.</p> <p>e) The SGPA &amp; CGPA shall be considered up to 2 decimal points only.</p>
<p><b>R. M. Tech. (CBCS) 7</b></p>	<p>a) In case a candidate fails due to less than 50% aggregate marks in a Semester examination, he/she will be allowed, at his option, to re-appear for only those heads of passing in which he/she has got less than 60% marks, at his subsequent examination. His/ Her previous performance in such a case should be treated as null and void.</p> <p>b) The marks obtained by a candidate in any head of passing at any Semester Examination will be carried forward unless the candidate reappears for that head of passing in accordance with (a) above. A candidate whose marks are thus carried over is eligible for a class.</p> <p>c) When once sessional work and/or Seminar work in any subject is assessed, the marks will be carried over to subsequent examination, unless the candidate rejoins as a regular student in the corresponding Semester and chooses to complete fresh sessional work and or seminar work. A candidate, whose marks are thus carried over, is eligible for award of class.</p> <p>d) When a candidate failing in a Semester Examination rejoins as a regular student for the Semester the marks obtained by him/her in his/her previous sessional work and Seminar work will be treated as null and void. Fresh marks obtained by such a candidate for his Sessional work and Seminar in the semester in which he joined as a regular student, will be considered for that Semester examination.</p> <p>e) In case a candidate passes in all of passing heads under First, Second, Third and Fourth Semester Examinations and obtains a minimum aggregate of 50% in First Second, Third and Fourth Semester Examinations taken together as required under R.M.E.6 above, he/she will not be allowed to reappear for any head of passing and Fourth Semester Examinations and obtains a minimum aggregate of 50% in first, Second, Third and fourth semester examinations taken together as required under R. M. Tech. (CBCS) 6 above, he/she will not be allowed to reappear for any head of passing under first, second, third and fourth semester examinations in accordance with R. M. Tech. (CBCS) 7 (a) above.</p> <p>f) Whenever candidates wish to reappear for the final dissertation examination due to unsatisfactory performance, he/she will have to resubmit the dissertation with suitable modification and must also reappear for the Oral Examination on it.</p>

<p><b>R. M. Tech. (CBCS) 8</b></p>	<p>The Examination Schemes for the following M.Tech. Courses in different branches shall be according to tables</p> <ul style="list-style-type: none"> <li>i) M.Tech. (Civil)-Structures.</li> <li>ii) M.Tech. (Civil)-Environmental Engineering</li> <li>iii) M.Tech. (Civil)-Construction and Management</li> <li>iv) M.Tech. (Civil)-Water Resources Engineering</li> <li>v) M.Tech. (Civil)-Geotechnical Engineering</li> <li>vi) M.Tech. (Mechanical)-Heat Power Engineering</li> <li>vii) M.Tech. (Mechanical)-Design Engineering</li> <li>viii) M.Tech. (Mechanical)-Production Engineering</li> <li>ix) M.Tech. (Mechanical)- Machine Design</li> <li>x) M.Tech. (Electrical)-Power Systems</li> <li>xi) M.Tech. (Electrical)-Control Systems</li> <li>xii) M.Tech. (Electrical)-Electrical Machines</li> <li>xiii) M.Tech. (Electronics Engineering)</li> <li>xiv) M.Tech. (Electronics and Telecommunication Engg.)</li> <li>xiii) M.Tech. (Computer Science and Engineering)</li> <li>xiv) M.Tech. (Chemical Engineering)</li> </ul>
<p><b>R. M. Tech. (CBCS) 9</b></p>	<p>With reference to OME 15, if a candidate's dissertation work is complete but does not fulfill the course work requirements, he/she can submit his/her dissertation only after compliance of course requirement as per University for examination criteria in O.M.E.15.</p>

**SU/BOS/3006**

**Date: 26/02/2019**

**Registrar**