

# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

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**REGULATIONS GOVERNING  
THE DEGREE OF BACHELOR OF ENGINEERING/ TECHNOLOGY (BE/B.Tech)  
UNDER OUTCOME BASED EDUCATION (OBE)  
AND  
CHOICE BASED CREDIT SYSTEM (CBCS)  
Effective from the academic year 2018 – 19**

Principal  
Sapthagiri College of Engineering  
14/5, Chikkasandra, Hesaraghatta Main Road  
Bengaluru - 560 057

**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>CONTENTS</b>		
<b>Regulations Clause</b>	<b>Title</b>	<b>Page Number</b>
--	Definitions of Keywords	03
18OB1.0	Title, Duration and Credits of the Programme of Study	05
18OB2.0	Eligibility for Admission	06
18OB3.0	Courses	07
18OB4.0	Internship/Professional Practice	08
18OB5.0	Technical Seminar and Project	08
18OB6.0	Computation of SGPA and CGPA	09
18OB7.0	Conversions of CGPA into Percentage of Marks and Class Equivalence	11
18OB8.0	Continuous Internal Evaluation, Semester End Evaluation and Minimum Standards	11
18OB9.0	Attendance Requirement	15
18OB10.0	Vertical Progression (Promotion/ Eligibility to higher semesters)	16
18OB11.0	Temporary Discontinuation/Break in the Programme	17
18OB12.0	Award of Prizes, Medals and Ranks	18
18OB13.0	Transfers of Students	19
18OB14.0	Applicability and Power to Modify	20



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**Definitions of Keywords**

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of BE/B.Tech Programmes:

- 1) **Programme:** Is an educational programme in a particular stream/ branch of Engineering/branch of specialization leading to award of the Degree. It involves events/activities, comprising of lectures/ tutorials/ laboratory work/ field work, outreach activities/ project work/ vocational training/ viva voce/ seminars/ internship/ assignments/ presentations/ self-study etc., or a combination of some of these.
- 2) **Branch:** Means Specialization or discipline of BE/B.Tech Degree Programme, like Civil Engineering, Mechanical Engineering, Textile Engineering, etc.
- 3) **Semester:** Refers to one of the two sessions of an academic year (vide: serial number 4), each session being of sixteen weeks duration (with working days greater than or equal to ninety). The odd and even semesters shall be as per the University academic calendar.
- 4) **Academic Year:** Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.
- 5) **Course:** Referstousually referred to as 'papers' and is a component of a programme. All Courses need not carry the same weight. The Courses should define learning objectives and learning outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/project work/ vocational training/ viva voce/ seminars/ term papers/assignments/ presentations/ self-study etc., or a combination of some of these.
- 6) **Credit:** Refersto a unit by which the Course work is measured. It determines the number ofhours of instructions required per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per weeketc.
- 7) **Audit Courses:** Meansthe Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.
- 8) **Choice Based Credit System (CBCS):** Refers to customizing the Course work, through Core, Elective and soft skill Courses, to provide necessary support for the students to achieve their goals.
- 9) **Course Registration:** Refers to formal registration for the Courses of a semester (Credits) by every student under the supervision of a Faculty Advisor (also called Mentor, Counselor etc.,) in each semester for the Institution to maintain proper record.
- 10) **Course Evaluation:** MeansContinuous Internal Evaluation (CIE)and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each Course.CIE and SEE to carry 40% and 60% respectively, to enable each Course to be evaluated for 100 marks, irrespective of its Credits.
- 11) **Continuous Internal Evaluation (CIE):** Refers to evaluation of students' achievement in the learning process. CIE shall be by the Course Instructor and includes tests, homework, problem solving, group discussion, quiz, mini-project and seminar throughout the semester, with a weightage for the different components being fixed by the University.
- 12) **Semester End Examinations(SEE):** Refers to the examinationsconducted by the University covering the entire Course Syllabus. For this purpose, Syllabi to be modularized and SEE questions to be set from each module, with a choice confined to the concerned module only. SEE is also termed as University examination.
- 13) **First Attempt:** Refers to a student who has completed all formalities and has become eligible to attend the SEE and has attended at least one head of passing, such attempt shall beconsidered as first attempt.
- 14) **Credit Based System (CBS):** Refers to quantification of Course work, after a student completes teaching – learning process, followed by passing in both CIE and SEE. Under CBS, the requirement for awarding degree is prescribed in terms of total number of credits to be earned by the students.



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- 15) **Credit Representation:** Refers to the Credit Values for different academic activities considered, as per the Table.1. Credits for seminar, project phases, project viva-voce and internship shall be as specified in the Scheme of Teaching and Examination.

16) **L**

<b>Theory/Lectures (L)</b> <b>(hours/week/Semester)</b>	<b>Tutorials (T)</b> <b>(hours/week/Semester)</b>	<b>Laboratory/Practical (P)</b> <b>(hours/week/Semester)</b>	<b>Credits</b> <b>(L:T:P)</b>	<b>Total</b> <b>Credits</b>
4	0	0	4:0:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	6	0:0:3	3

**NOTE:** Activities like, practical training, study tour and participation in Guest lectures not to carry Credits.

: It is an index of the performance of students in a said Course. Grades are denoted by letters S, A, B, C, D, E and F.

- 17) **Grading:** Grade refers to qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in CIE and SEE. Grading is done by Absolute Grading [Refer: 18OB6.0]. The rubric attached to letter grades are as follows:  
 S – Outstanding, A – Excellent, B – Very Good, C – Good, D – Above Average, E – Average and F – Fail.
- 18) **Grade Point (GP):** Refers to a numerical weightage allotted to each letter grade on a 10-point scale as under.

<b>Letter Grade</b>	<b>S</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>
<b>Grade Point</b>	10	09	08	07	06	04	00

- 19) **Passing Standards:** Refers to passing a Course only when getting GP greater than or equal to 04 (as per serial number 18).
- 20) **Credit Point:** Is the product of grade point (GP) and number of credits for a Course i.e.,  
 Credit points (CrP) = GP × Credits for the Course.
- 21) **Semester Grade Point Average (SGPA):** Refers to the measure of academic performance of student/s in a semester. [Refer: 18 OB6.2]
- 22) **Cumulative Grade Point Average (CGPA):** Is a measure of overall cumulative performance of a student over all semesters. [Refer: 18 OB6.2]
- 23) **Grade Card:** Refers to the certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every semester end examination. The grade card will display the Programme details (Course code, title, number of credits, grades secured) along with SGPA of that semester and CGPA earned till that semester.
- 24) **University:** Visvesvaraya Technological University (VTU), Belagavi.



  
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<b>18OB1.0</b>	<b>Title, Duration and Credits of the Programme of Study</b>
<b>18OB1.1</b>	The Programme of study shall be called the degree of Bachelor of Engineering /Bachelor of Technology, abbreviated as BE / B.Tech. ■
<b>18OB1.2</b>	<p>(a) The Programme to which students are admitted to First semester of BE / B.Tech Programme shall be of four academic years duration divided into eight semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester.</p> <p>(b) The Programme to which students are admitted to III semester of BE / B.Tech Programme under lateral entry shall be of three academic years duration divided into six semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester.</p> <p>(c) The Programme (conducted during evening) to which students are admitted to III semester of BE / B.Tech Programme under lateral entry shall be of three academic years duration divided into six semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester. The deficit contact hours of the Programme, conducted during evening on all working days, shall be compensated on all Sundays (except on general holidays). ■</p>
<b>18OB1.3</b>	The calendar of events in respect of the programme of study shall be notified by the University in advance. ■
<b>18OB1.4</b>	<p><b>Maximum Duration for Programme Completion:</b></p> <p>(a)(i) Students admitted to First year BE/ B.Tech shall complete the Programme within a period of <b>eight academic years</b> from the date of first admission, failing which they have to discontinue the Programme.</p> <p>(ii) Students admitted II Year BE/B.Tech under lateral entry scheme shall complete the Programme within a period of <b>six academic years</b> from the date of first admission, failing which he/she has to discontinue the Programme.</p> <p>(b)(i) A student who has not obtained the eligibility to III semester even after <b>three academic years</b> from the date of admission to I semester shall <b>discontinue the Programme or get readmitted</b> to I semester of first year BE/B.Tech with a new University Seat Number but retaining the same year of admission.</p> <p>(ii) If a student does not get eligibility to III semester even after <b>two academic years</b> from the date of readmission to I semester [as per 18OB1.4 (b) (i)], he/she shall <b>discontinue the Programme or seek fresh admission</b> to I semester of first year BE/B.Tech as the leeway (scope) of satisfying 18OB1.4 (a) (i) is not possible.</p> <p>(c)(i) A student (under lateral entry scheme) who has not obtained the eligibility for V semester even after <b>two academic years</b> from the date of admission to III semester shall <b>discontinue the Programme or get readmitted</b> to III semester of II year BE/B.Tech with a new University Seat Number but retaining the same year of admission.</p> <p>(ii) If a student (under lateral entry scheme) does not get eligibility to V semester even after <b>two academic year</b> from the date of readmission to III semester [as per 18OB1.4 (c) (i)] shall <b>discontinue the Programme or seek fresh admission</b> to III semester BE/B.Tech as the leeway of satisfying 18OB1.4 (a) (ii) is not</p>
<b>18OB1.5</b>	<p>Prescribed Number of Credits for the Programme [to be read along with 18OB8.14 and 18OB11.2]</p> <p>(a) The number of credits to be completed by students admitted to I semester of BE/B.Tech Programme shall be 175.</p> <p>(b) The number of credits to be completed by students admitted to III semester of BE/B.Tech Programme under lateral entry scheme shall be 135. ■</p>



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18OB1.6	<b>Definition of Credits:</b> 1 hour Lecture (L) per week per semester =1 Credit 2 hour Tutorial (T) per week per semester =1 Credit 2 hour Practical/Laboratory/Drawing (P) per week per semester =1 Credit.■
18OB2.0	<b>Eligibility for Admission to BE/B.Tech Programmes (As per the Government orders issued from time to time)</b>
18OB2.1	<p><b>(a) Day Engineering College ( Eligibility: Candidates who have Passed in Second PUC/ Twelfth standard)</b>  (i) Passed in Second PUC/12<sup>th</sup> standard/Equivalent examination with English as one of the Languages and obtained a minimum of 45 % of Marks in aggregate in Physics and Mathematics along with Chemistry/Bio-Technology/Biology/Electronics/Computer. 40 % for SC, ST, Category – 1, 2A, 2B, 3A and 3B category candidates.  (ii) Those students, who have passed a qualifying examination other than the PUC II examination of the Pre-University Education Board of Karnataka, have to obtain eligibility certificate for seeking admission to BE/B.Tech Degree Programme from Visvesvaraya Technological University, Belagavi.</p> <p><b>(b) Day Engineering College (Eligibility: Candidates who have Passed 3 year Diploma)</b>  (i) A candidate who has passed any diploma examination or equivalent examination and obtained an aggregate minimum of 45 % marks taken together in all the subjects of the final year (Fifth and Sixth semester) diploma examination (qualified examination) is eligible for admission to BE/B.Tech Programmes, and 40 % of marks in qualified examination in case of SC, ST and Backward Classes of Karnataka candidates.  (ii) Those candidates who have completed Diploma from other than Karnataka state shall provide the Equivalence/ Eligibility Certificate issued from the Director of Technical Education, Karnataka.</p> <p><b>(c) Evening Engineering College (Eligibility: Candidates who have Passed 3 year Diploma):</b>  (i) A candidate who has passed any diploma examination or equivalent examination and obtained an aggregate minimum of 45 % marks taken together in all the subjects of the final year (Fifth and Sixth semesters) diploma examination (qualified examination) is eligible for admission to BE/B.Tech Programmes, and 40 % of marks in qualified examination in case SC, ST and Backward Classes of Karnataka candidates.  In addition to this a candidate after passing the diploma, must have minimum of Two years full-time work experience as on 1<sup>st</sup> September of the year of admission, in a registered firm/Company/Industry/Educational and/Government Autonomous Organizations in the branch of Engineering/Technology, in which the candidates holds a diploma, and in which admission is sought by him/her.</p> <p>Professional experience refers to the experience earned as an employee on regular basis in</p> <ul style="list-style-type: none"> <li>• Government, Government Undertaking, Public Sector Undertaking, Corporation or</li> <li>• Private company registered under the Directorate of Industries and Commerce or the Directorate of Small Scale Industries or</li> <li>• Government, Government recognized Institutions as technical staff.</li> </ul>



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<b>18OB2.1</b> <b>(continued)</b>	<p>Provided that the period of apprenticeship undergone shall also be treated as professional experience, if sponsored by the Board of Apprenticeship Training, Southern Region, Chennai or by Government, Government Undertakings and Public Sector Undertakings.</p> <p><b>Note:</b> In case where genuineness of the employment certificate is questionable, such candidates have to produce supportive documents specifying the registration details of the Industry/Company (e.g., SSI Registration) and or identity cards provided to them together with latest salary certificate and provident fund certificate. However, the employer has to fill up the NOC duly signed by the company authority.</p> <p><b>(d) Day Engineering College (Eligibility: Candidates who have Passed B.Sc Degree)</b>          Passed B.Sc. Degree from a recognized University as defined by UGC, with at least 45% marks (40% in case of candidates belonging to reserved category) and passed 10+2 examination with Mathematics as a subject. ■</p>
<b>18 OB 2.2</b>	<p>With regard to the qualification earned from foreign countries, Equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to BE/B.Tech Programmes. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University Equivalence Committee shall be the final in establishing the eligibility of the student. ■</p>
<b>18 OB 3.0</b>	<b>Courses</b>
<b>18 OB 3.1</b>	<p>There shall be the following types of Courses:</p> <ol style="list-style-type: none"> <li>Humanities, Social Sciences and Management (HSMC): These are mandatory for all disciplines.</li> <li>Basic Sciences (BSC): Physics, Chemistry and Mathematics. These are mandatory for all disciplines.</li> <li>Engineering Sciences (ESC): Materials, Workshop, Drawing, and Basics of Electrical/ Electronics/ Instrumentation/ Civil/ Mechanical/ Computer Engineering etc. These are mandatory for all disciplines.</li> <li>Professional Courses (PCC) – Core: Are the professional Core Courses, relevant to the chosen specialization/ branch. The core Courses are to be compulsorily studied by students and are mandatory to complete them to fulfill the requirements of a Programme.</li> <li>Professional Elective Courses (PEC): Are the professional Electives, relevant to the chosen specialization / branch and can be chosen from the pool of papers. It shall be supportive to the discipline providing extended scope/enabling an exposure to some other discipline /domain and nurturing student proficiency skills.</li> <li>Open Elective Courses (OEC): Are the Elective Courses from other technical areas and/ or from emerging fields.</li> <li>Project Work (PROJ): Mini project and Main Project. Carried out at the Institution or elsewhere without interfering with the regular classwork.</li> <li>Seminar: Deliverable at the Institution under the supervision of a Faculty.</li> <li>Internship: Preferably at an industry/R and D organization/IT company/ Government organization or elsewhere of significant repute for a specified period as mentioned in Scheme of Teaching and Examination.</li> <li>Mandatory Courses (MC): These Courses are mandatory, without the benefit of a grade or credit, for students admitted to BE/B.Tech programme. A pass in each mandatory Course is required to qualify for award the award of degree. ■</li> </ol>

  
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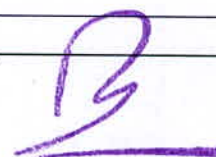
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<b>18 OB 3.2</b>	The minimum number of students registered to any Elective Course offered by the Departments shall be not less than ten. However, the above condition shall not be applicable to programmes having a class strength less than 10. ■
<b>18 OB 3.3</b>	A student shall exercise his option in respect of Elective Course/s and register for the same at the beginning of the concerned semester. The student may be permitted to opt for a change of Elective Course/s within 15 days from the date of commencement of the semester as per the calendar of the University. ■
<b>18 OB 3.4</b>	<b>Course Registration:</b> Every student shall register for the Courses of a semester (Credits) under the supervision of a Faculty Advisor (also called Mentor, Counselor etc.,) in each semester for the Institution to maintain proper record. ■
<b>18OB4.0</b>	<b>Internship/Professional Practice</b>
<b>18 OB 4.1</b>	<b>Internship / Professional Practice</b> The Internship shall be completed during the period specified in the Scheme of Teaching and Examination. 1) The internship shall preferably be at an industry/R and D organization/IT company/ Government organization of significant repute for a specified period as mentioned in Scheme of Teaching and Examination. 2) The Department/college shall nominate staff member/s to facilitate, Guide and supervise students under internship. 3) The students shall report the progress of the internship to the Guide in regular intervals and seek his/her advice. The Guide shall maintain the progress record of the candidates undergoing internship. 4) After the completion of Internship, students shall submit a report with completion certificate and attendance certificate to the Head of the Department with the approval of both internal and external Guides. 5) There shall be 40 marks for CIE and 60 marks for SEE. The minimum requirement of CIE marks shall be 50% of the maximum marks. 6) The internal Guide shall be the internal examiner for the SEE. [To be read along with 18 OB 8.2 (d)] 7) The external Guide for Internship shall be an examiner for SEE. Examination in internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiners shall jointly award the SEE marks. [To be read along with 18 OB 8.9 (f)] 8) In case the external Guide expresses his inability to conduct Examination, the Chief Superintendent of the institution shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide. The same shall be informed in writing to the concerned Chairperson, Board of Examiners (BOE). 9) The students are permitted to carry out the internship anywhere in India or abroad. The University will not provide any kind of financial assistance to any student for carrying out the Internship. ■
<b>18 OB 5.0</b>	<b>Technical Seminar and Project</b>
<b>18 OB 5.1</b>	<b>Technical Seminar:</b> Technical Seminar is one of the head of passing. (i) Each candidate shall deliver Technical seminar as per the Scheme of Teaching and Examination on the topic chosen from the relevant fields.



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<b>18OB5.1 (continued)</b>	(ii)The Head of the Department shall make an arrangement for conducting seminars through concerned faculty members of the Department. The committee, constitutedfor the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of twosenior faculty members of the Department and the senior most acting as the Chairperson.[To be read along with 18 OB 8.2 (e)]. ■																																							
<b>18OB5.2</b>	<b>Project:</b> Project (Mini and Main) is one of the head of passing. Mini Project Work and Main ProjectWork shall preferably be batch wise, the strength of each batch shall not exceed a maximum of four students.■																																							
<b>18OB5.3</b>	Examination in Mini Project Work and Main Project Work shall be conducted batch-wise.■																																							
<b>18OB 6.0</b>	<b>Computation of SGPA and CGPA</b>																																							
<b>18OB 6.1</b>	<p>(i) The University adopts absolute grading system wherein the marks are converted to grades, and every semester results shall be declared with Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for every semester, except for the first semester.</p> <p>(ii) The grading system with the letter grades and the assigned range of marks under absolute grading system are as given below:</p> <table border="1" style="width: 100%; text-align: center;"> <tr> <th>Level</th><th>Outstanding</th><th>Excellent</th><th>Very Good</th><th>Good</th><th>Above Average</th><th>Average</th><th>Fail</th></tr> <tr> <td>Letter Grade</td><td>S</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td></tr> <tr> <td>Grade Points</td><td>10</td><td>9</td><td>8</td><td>7</td><td>6</td><td>4</td><td>00</td></tr> <tr> <td rowspan="2">Percentage of Marks Scored in a Course</td><td>≥ 90</td><td>&lt;90 ≥80</td><td>&lt; 80 ≥70</td><td>&lt; 70 ≥60</td><td>&lt; 60 ≥ 45</td><td>&lt; 45 ≥40</td><td>&lt; 40</td></tr> <tr> <td>(90 -100)</td><td>(80 - 89)</td><td>(70 - 79)</td><td>(60 - 69)</td><td>(45 - 59)</td><td>(40 - 44)</td><td>(0 - 39)</td></tr> </table> <p>(iii) A student obtaining Grade F in a Course shall be considered failand is required to reappear in the subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be awarded. The number of attempts taken to clear Course/s shall be indicated in the grade card. ■</p>	Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail	Letter Grade	S	A	B	C	D	E	F	Grade Points	10	9	8	7	6	4	00	Percentage of Marks Scored in a Course	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 45	< 45 ≥40	< 40	(90 -100)	(80 - 89)	(70 - 79)	(60 - 69)	(45 - 59)	(40 - 44)	(0 - 39)
Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail																																	
Letter Grade	S	A	B	C	D	E	F																																	
Grade Points	10	9	8	7	6	4	00																																	
Percentage of Marks Scored in a Course	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 45	< 45 ≥40	< 40																																	
	(90 -100)	(80 - 89)	(70 - 79)	(60 - 69)	(45 - 59)	(40 - 44)	(0 - 39)																																	
<b>18 OB 6.2</b>	<p><b>Computation of SGPA and CGPA</b></p> <p>The following expressions shall be used to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) respectively:</p> $SGPA = \frac{\sum [Course Credits \times Grade Points] \text{ for all the Courses in that Semester}}{\sum [Course Credits] \text{ for all the Courses in that Semester}}$ $CGPA = \frac{\sum [Course Credits \times Grade Points] \text{ for all Courses excluding those with F grades until that Semester}}{\sum [Course Credits] \text{ for all Courses excluding those with F grades until that semester}}$																																							



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**18 OB 6.2**  
**(continued)**

**(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year**

Semester (Odd: I, Even: II)	Course Number	Credits	Grade	Grade Points	Credit Points	SGPA, CGPA
I	XX101	5:0:0 = 5	B	8	5 × 8	$SGPA = \frac{117}{25} = 4.68$
I	XX102	3:2:0 = 5	Absent(F)	0	5 × 0 = 00	
I	XX103	3:0:0 = 3	A	9	3 × 9 = 27	
I	XX104	0:1:1 = 2	F	0	2 × 0 = 00	
I	XX105	4:1:0 = 5	D	6	5 × 6 = 30	
I	XX106	5:0:0 = 5	E	4	5 × 4 = 20	
Total		25 (18*)	Total	117		

(18\*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

II	XX107	3:1:1 = 5	C	7	5 × 7 = 35	$SGPA = \frac{157}{25} = 6.28$
II	XX108	4:0:0 = 4	B	8	4 × 8 = 32	
II	XX109	3:0:0 = 3	D	6	3 × 6 = 18	
II	XX110	4:1:0 = 5	E	4	5 × 4 = 20	
II	XX111	2:1:1 = 4	A	9	4 × 9 = 36	$CGPA = \frac{(117 + 157)}{18 + 23} = \frac{274}{41} = 6.68$
II	XX112	2:0:0 = 2	F	0	2 × 0 = 00	
II	XX113	0:2:0 = 2	B	8	2 × 8 = 16	
Total		25 (23*)	Total	157		

(23\*): Total credits of the semester excluding the credits of the courses under F grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.

If the Student secures letter grades as detailed below after reappearance to SEE, then the SGPA and CGPA shall be calculated as indicated below.

I	XX102	3:2:0 = 5	D	6	5 × 6 = 30	$SGPA (I Semester) = \frac{(117 + 30 + 14)}{25}$
I	XX104	0:1:1 = 2	C	7	2 × 7 = 14	
II	XX112	2:0:0 = 2	D	6	2 × 6 = 12	$SGPA (II Semester) = \frac{(157 + 12)}{25} = \frac{169}{25} = 6.76$

*CGPA at the end of the academic year after passing all the Courses of the two consecutive semesters under consideration* =  $\frac{(6.44 \times 25 + 6.76 \times 25)}{50} = 6.60$  ■

**(b) CGPA Calculation of the Programme: An Illustrative Example**

Semester	I	II	III	IV	V	VI	VII	VIII
Credits of the semester	20	20	24	24	25	24	20	18
SGPA	7.00	8.50	9.20	6.86	8.18	7.73	8.68	9.40
$CGPA = \frac{(20 \times 7.00 + 20 \times 8.50 + 24 \times 9.20 + 24 \times 6.86 + 25 \times 8.18 + 24 \times 7.73 + 20 \times 8.68 + 18 \times 9.40)}{175} = 8.16$ ■								

**18 OB 6.3**

**Grade Card:** Based on the secured letter grades, grade points, SGPA and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all semesters shall be issued. ■



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18OB 7.0</b>	<b>Conversions of CGPA into Percentage of marks and Class Equivalence</b>
<b>18OB 7.1</b>	<p><b>Conversion Formula for the conversion of CGPA into percentage is given below.</b>  Percentage of marks secured, <math>P = [\text{CGPA Earned} - 0.75] \times 10</math>  <b>Illustration for aCGPA of 8.20:</b>  <math>P = [\text{CGPA Earned } 8.20 - 0.75] \times 10 = 74.5 \% \blacksquare</math></p>
<b>18OB 7.2</b>	<p><b>Class Equivalence:</b>  Subsequent to the conversion of final CGPA, after successful completion of the Programme, into percentage of marks (P), a graduating student is reckoned to have passed in  (i) First Class with Distinction (FCD) if <math>P \geq 70\%</math>  (ii) First Class (FC) if <math>P \geq 60\%</math> but <math>&lt; 70\%</math> and  (iii) Second Class (SC) if <math>P &lt; 60\%</math>. <math>\blacksquare</math></p>
<b>18OB8.0</b>	<b>Continuous Internal Evaluation, Semester End Evaluation and minimum standards</b>
<b>18OB8.1</b>	<p><b>Continuous Internal Evaluation Marks:</b>  (a) Except for Vyavaharika Kannada (Kannada for communication)/Aadalitha Kannada (Kannada for Administration), Technical seminar and Project work phase -1, the CIE marks for all credit Courses, shall be 40.  (b) Minimum CIE marks for all theory Courses shall be 40 % of the marks prescribed for Continuous Internal Evaluation i.e., 16 marks.  (c) Minimum CIE marks for Practical/ Mini-project / Internship/Technical Seminar/Project work – Phase 2 shall be 50 % of the maximum marks i.e., 20 marks.  (d) The CIE marks for Vyavaharika Kannada (Kannada for communication)/Aadalitha Kannada (Kannada for Administration), Technical seminar and Project work phase -1 shall be 100.  (e) Minimum CIE marks for Vyavaharika Kannada (Kannada for communication)/Aadalitha Kannada (Kannada for Administration) shall be 40 % of the marks prescribed for Continuous Internal Evaluation i.e., 40 marks.  (f) Minimum CIE marks for Project work – Phase 1 and Technical seminar shall be 50 % of the maximum marks i.e., 50 marks.  (g) Minimum CIE marks for Additional Mathematics I and II, and the courses (Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering) to be completed by B.Sc graduates under lateral entry shall be 40 % of the marks prescribed for Continuous Internal Evaluation i.e., 16 marks. <math>\blacksquare</math></p>
<b>18 OB 8.2</b>	<p><b>Continuous Internal Evaluation Procedure:</b> [To be read along with 18 OB 8.1 and 8.3]  (a) <b>Theory Courses:</b>  (i) CIE Marks in each theory Course [including “Technical English I and II”, “Constitution of India, Professional Ethics and Human Rights”, “Environmental Studies”, “Additional Mathematics I and II”, and the courses (Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering) to be completed by B.Sc graduates under lateral entry] shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 30 and that for assignments 10.  (ii) The CIE marks awarded for tests in the theory Course/sshall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a maximum of 50 marks and the final test marks shall be the average of three tests, proportionately reduced to a maximum of 30 marks.  (iii) The remaining 10 marks shall be awarded based on the evaluation of assignments/unit tests/written quizzes that support to cover both lower and higher order thinking skills as per Bloom’s Revised Taxonomy and Course/programme outcomes.  (iv) Final marks awarded shall be the sum of 18OB 8.2 (a) (ii) and (iii) for a maximum of 40 marks.</p>



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E./B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

**18 OB 8.2**  
**(continued)**

(v) The candidates shall write the tests, assignments/unit-tests /written quizzes in Blue Books which shall be preserved by the Principal/ Head of the Department for at least six months after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation).

**(b) Drawing/Field work Courses:**

(i) The CIE marks awarded for I year Engineering Graphics Course shall be based on

(a) Class work for 24 marks (sketching and Computer Aided Engineering Drawing).

(b) Two Tests conducted in the same pattern as that of SEE for 16 marks (The marks secured Can be taken as best of the two tests).

(ii) The CIE marks awarded for higher semester Drawings/ Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40.

(iii) The CIE marks awarded for field work (like Surveying Practice) shall be based on the evaluation of the associated field work and one test in the ratio 60:40.

**(c) Practical Courses**

The CIE marks awarded in case of Practical, shall be based on the weekly evaluation of laboratory journals/ reports after the conduction of every experiment and one practical test in the ratio 60:40.

**(d) Internship**

The CIE marks awarded for internship, shall be based on the evaluation of Internship Report, Presentation skill and Question and Answer session in the ratio 50:25:25.

**(e) Technical Seminar**

The CIE marks awarded for Technical Seminar, shall be based on the evaluation of Seminar Report, Presentation skill and Question and Answer session in the ratio 50:25:25.

**(f) Mini - Project**

The CIE marks awarded for Mini - Project, shall be based on the evaluation of Mini - Project Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for Mini - Project report shall be the same for all the batch mates.

**(g) Main Project Work**

**(i) Project Work Phase – 1**

The CIE marks awarded for project work phase -1, shall be based on the evaluation of project work phase -1 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.

**(ii) Project Work Phase - 2**

The CIE marks awarded for project work phase -2, shall be based on the evaluation of project work phase -2 Report, Project Presentation skill and Question and Answer session in the ratio 50:25:25. The marks awarded for Project report shall be the same for all the batch mates.

**(h) Vyavaharika Kannada (Kannada for communication)/Aadalitha Kannada (Kannada for Administration)**

(i) CIE Marks in Vyavaharika Kannada (Kannada for communication)/Aadalitha Kannada (Kannada for Administration) shall be the sum of marks prescribed for tests and assignments. Marks prescribed for tests shall be 75 and that for assignments be 25.

(ii) The CIE marks awarded for the tests shall be based on three tests generally conducted at the end of fifth, tenth and fifteenth week of each semester. Each test shall be conducted for a maximum of 25 marks and the final CIE marks shall be the sum of the marks of all the three tests.

(iii) The remaining 25 marks shall be awarded based on the evaluation of assignments/unit tests/written quizzes that support to cover both lower and higher order thinking skills as per Bloom's Revised Taxonomy and Course/programme outcomes.

(iv) Final marks awarded shall be the sum of 18OB 8.2 (h) (ii) and (iii) for a maximum of 100 marks.

(v) The candidates shall write the tests assignments/unit-tests /written quizzes in Blue Books



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18 OB 8.2 (continued)</b>	after the announcement of University results and shall be made available for verification at the direction of the Registrar (Evaluation). ■
<b>18 OB 8.3</b>	<p>(a) The CIE marks in the case of Internship/Technical Seminar/Mini-Project and Project Work Phase 1 and 2 shall be awarded by a committee consisting of the Head of the concerned Department and two senior faculty members of the Department, one of whom shall be the Guide.</p> <p>(b) A committee constituted by the Head of the Department of Humanities and Social Science shall award the CIE marks for the Course Vyavaharika Kannada (Kannada for communication)/ Aadalitha Kannada (Kannada for Administration). The committee shall consist of two senior faculty members of the Department and the senior most acting as the Chairperson. ■</p>
<b>18 OB 8.4</b>	<p>(i) Students failing to secure the minimum percentage of CIE marks of any Course/sshall not be eligible for the SEE conducted by the University and they shall be considered as fail in that Course /those Courses. However, they can appear for University examinations conducted in other Courses of the same semester and backlog Course/s if any.</p> <p>(ii) Improvement in CIE marks shall not be allowed during the current semester.</p> <p>(iii) Students who have satisfied the attendance requirement but not the CIE requirements are permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course/s (with or without satisfying the attendance requirement) when offered during subsequent semester/s.</p> <p>(iv) The Course/s when repeated are considered as attempts. ■</p>
<b>18OB8.5</b>	CIE marks of those students, who come under 18OB8.4, shall be sent separately to the Registrar (Evaluation). ■
<b>18 OB 8.6</b>	<p>The final list, incorporating corrections (if any) of CIE marks awarded to the students in the Theory/Practical/Internship/ Technical Seminar / Mini – Project/Project work –phase 1 and 2, shall be displayed on the notice board of the college much before the closure of the semester.</p> <p>The institution shall enter the CIE marks of each semester in the format of the VTU online CIE marks portal and submit a certified copy of the same to the University Examination Section within the stipulated date notified by University. Every page of the CIE marks sheet shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and Principal. ■</p>
<b>18 OB 8.7</b>	Any corrections or overwriting of CIE marks shall bear the signature(s) of concerned Teacher(s) and in such cases the Head of the Department shall indicate the number of corrections on every sheet and attest it with his/her signature. ■
<b>18 OB 8.8</b>	CIE marks shall reach the University before the commencement of examination as per the notification from the office of the Registrar (Evaluation) from time to time. After the submission of CIE marks to the University, any request under any circumstances for change of CIE marks shall not be considered. ■
<b>18 OB 8.9</b>	<p><b>Semester End Examination and Passing standards</b></p> <p>(a) For all credit Courses including “Additional Mathematics I and II”, and the courses (Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering) to be completed by BS.c graduates under lateral entry) the SEE marks shall be 60.</p> <p>(b) University examination for all Courses under SEE are conducted for a maximum of 100 Marks.</p> <p>(c) The University examination in all programmes of study shall be conducted at the end of each semester for all the eight semesters. The examinations shall not be considered as overlapping if at all a student appears for examinations conducted in the morning and afternoon session. Further, the examinations shall not also be considered as overlapping if the same student appears for the next days examinations.</p> <p>(d) The pattern of the SEE question paper for Courses Technical English I and II, Constitution of India, Professional Ethics and Human Rights, and Environmental Studies shall be objective</p>



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**



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**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18 OB 8.9 (continued)</b>	<p>(e) For a pass in a theory Course/Drawing, students shall secure a minimum 35 % of the maximum marks prescribed for the University examination and in total 40 % of the maximum marks prescribed for the Course including the CIE marks secured by the students (i.e., SEE + CIE).</p> <p>(f) For a pass in Practical/ Mini-project / Internship/Technical Seminar/Project work, students shall secure a minimum of 40 % of the maximum marks prescribed in the University examination.</p> <p>(g) Students who satisfy the conditions 18OB 8.9 (e) and (f), and obtain any grade from S to E shall be considered as passed.</p> <p>(h) A student shall be declared fail if the candidate</p> <p>(h.a) Fails to satisfy the conditions 18OB 8.9 (g).</p> <p>(h.b) Absents himself / herself to the University examination.</p> <p>(h.c) Is held guilty of examination malpractice and for any other reasons, and declared the performance of any Course/s null and void by a competent authority.</p> <p>(i) If a student secures F grade in any of the Course/s, he/she shall reappear in that Course/s during the subsequent SEE. The CIE marks awarded to the student at first attempt in the</p>
<b>18 OB 8.10</b>	<p>Students who pass a Course of a semester as per 18OB 8.9 (g) shall not be allowed to appear for any individual Course again, unless they opt for rejection of results of entire semester. However, students who have CGPA less than 5.00 at the end of an academic year shall be allowed to appear for Course/s to make up the deficiency in CGPA. ■</p>
<b>18 OB 8.11</b>	<p>A student may, at his/her desire, can reject the total performance of a semester (including CIE marks) or reject only the result of his/her performance in University examination of a semester. The rejection is permitted only once during the entire Programme of study. ■</p>
<b>18 OB 8.12</b>	<p>(a) The student who desires to reject the results of a semester shall reject performance in all the Courses of the semester, irrespective of whether the student has passed or failed in any Course. However, the rejection of performance of VIII semester project shall not be permitted. A student, who desires to reject the total performance of a semester including CIE marks, has to take readmission for that semester. Application for approval of readmission shall be sent to the Registrar through the Principal of College within 30 days from the date of the announcement of the results. Late submission of application shall not be accepted for any reasons.</p> <p>(b) Readmission to any semester in such cases shall not be considered as fresh admission and therefore the student will continue to have the same University Seat Number, which was allotted earlier. The Course duration (as per 18OB1.4) will be counted with reference to old USN.</p> <p>The student, who rejects only the results of University examination of a semester, shall be permitted to re-appear for University examinations of all the Courses of that semester in the subsequent examinations. However, the CIE marks obtained by the student in the rejected semester shall be retained.</p> <p>Applications for rejection and approval to reappear for University examination shall be sent to the Registrar (Evaluation) through the Principal of the College within 30 days from the date of announcement of the results. Late submission of applications shall not be accepted for any reasons.</p> <p>(c) If the rejection of results of University examination is of odd semester, the student shall be allowed to take admission to the immediate next even semester. However, if the rejection of results of University examination is of even semester, then the student shall not be allowed to</p>
<b>18 OB 8.13</b>	<p>Students who opt for rejection of results of University examination shall be eligible for the award of degree and not for the award of ranks. ■</p>



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18 OB 8.14</b>	<p>(a) A student shall be declared to have completed the programme of BE / B.Tech degree and is eligible for the award of degree, provided the student has undergone the stipulated Course work of all the semesters under the same Scheme of Teaching and Examination and has earned the prescribed number of credits as per the provision 18 OB1.5.[To be read along with 18 OB 11.1 and 11.2]</p> <p>(b)Over and above the academic credits, every Day College regular student admitted to the 4 years Degree programme and every student entering 4 years Degree programme through lateral entry, shall earn 100 and 75 Activity Points respectively for the award of degree through AICTE Activity Point Programme. Students transferred from other Universities to fifth semester are required to earn 50 Activity Points from the year of entry to VTU. The Activity Points earned shall be reflected on the student's eight semester Grade Card.</p> <p>Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.</p> <p>In case a student fails to earn the prescribed activity Points, Eighth semester Grade Card shall be issued only after earning the required activity Points. The student shall be admitted for the award of degree only after the release of the Eighth semester Grade Card. ■</p>
<b>18 OB 9.0</b>	<b>Attendance Requirement</b>
<b>18OB9.1</b>	<p>Each semester shall be considered as a unit for calculation of the attendance and the Candidates have to put in a minimum attendance of 85% in each Course with a provision of condonation of 10% of the attendance by the Vice-Chancellor on the specific recommendations of the Principal of the college where the candidate is studying, based on medical grounds, participation in University/State/ National/ International level sports and cultural activities, seminars, workshops, paper presentation etc., of significant value. The supporting documentsfor condoning the shortage of attendance are to be submitted along with the recommendations. ■</p>
<b>18 OB 9.2</b>	<p>(a) The basis for the calculation of attendance shall be the period prescribed by the University by its calendar of events.</p> <p>(b) For Course/s having lecture and tutorial hours, attendance shall be with respect to 85 % of attendance in lecture hours and 85 % of attendance in tutorial hours. If the attendance requirement is not satisfied in any one of them, the candidate shall be considered as not satisfied the attendance condition. Condonation of 10 % shall be applied separately to lecture and tutorial hour to make up the deficiency in attendance. Faculties shall also maintain the attendance of students of lecture and tutorial hours separately in the same register or in separate registers.</p> <p>(c) In case of late admission, approved by competent authority (DTE/VTU), to I semester, III semester (lateral entry scheme) of day college and III semester (lateral entry scheme) of Engineering Programme conducted during evening the attendance shall be reckoned from the</p>
<b>18OB9.3</b>	<p>The Course Instructor/ Mentor/College shall inform the students as well as their parents /guardians about the attendance status periodically. Students who are facing the shortage of attendance shall be mentored to make up the shortage. Principals shall also notify every month, the list of candidates who are under short of attendance. ■</p>
<b>18OB9.4</b>	<p>A candidate, who does not satisfy the attendance requirement (in one or more Courses) as mentioned in 18OB9.1/18OB 9.2 (b) shall not be eligible to appear for the SEE of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year. ■</p>



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**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18OB 10.0</b>	<b>Vertical Progression (Promotion/ Eligibility to higher semesters)</b>
<b>18OB 10.1</b>	There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement. ■
<b>18 OB 10.2</b>	A student shall be declared fail if the candidate (i) Fails to satisfy the conditions 18OB 8.9 (g). (ii) Absents himself / herself to the University examination. (iii) Is held guilty of examination malpractice and for any other reasons, and declared the performance of any Course/s null and void by a competent authority. (iv) Has not satisfied the CIE requirements of any credit Course/s. (v) Has not registered for the SEE even after satisfying the attendance and CIE requirements. ■
<b>18 OB 10.3</b>	<p><b>(A) Vertical Progression in case of students admitted to First year:</b></p> <p>(a) Students having not more than four F grades in the two semesters of first year of the Programme shall be eligible to move to II Year.</p> <p>(a.1) Students having not more than four F grades in the four semesters of I and II year shall be eligible to move to III year.</p> <p>(a.2) Student who have earned all the prescribed credits of I year, and having not more than four F grades in the four semesters of II and III year shall be eligible to move to IV year.</p> <p>(b) For the award of degree, a CGPA <math>\geq 5.00</math> at the end of Programme shall be mandatory. [to be read with 18OB10.4 (1)]</p> <p><b>(B) Vertical Progression in case of Diploma students admitted to Second year (lateral entry)</b></p> <p>(a) Students having not more than four F grades (excluding the Fail or pass status of Additional Mathematics I and II) in the two semesters of II year of the Programme shall be eligible to move to III Year.</p> <p>(a.1) Students having not more than four F grades (excluding the fail status of Additional Mathematics I and II, if any) in the four semesters of II and III year shall be eligible to move to IV year.</p> <p>(b) For the award of degree, a CGPA <math>\geq 5.00</math> at the end of Programme shall be mandatory. [to be read with 18OB10.4 (1)].</p> <p>(c) The mandatory non – credit Courses Additional Mathematics I and II prescribed at III and IV semesters respectively, to lateral entry Diploma holders admitted to III semester of BE/B.Tech programmes, shall attend the classes during the respective semesters to complete CIE and attendance requirements and to appear for the University examinations. In case, any student fails to satisfy the Course requirements, he/she shall be deemed to have secured F grade. In such a case, the student have to fulfil the requirements during subsequent semester/s to appear for SEE.</p> <p>(d) Completion of Additional Mathematics I and II, shall be mandatory for the award of degree. ■</p> <p><b>(C) Vertical Progression in case of B.Sc students admitted to Second year (lateral entry)</b></p> <p>(a) Students having not more than four F grades (excluding the Fail or pass status of Engineering Graphics and Design, and Civil Engineering and Mechanics of First Year Engineering Programme) in the two semesters of II year of the Programme shall be eligible to move to III Year.</p> <p>(a.1) Students having not more than four F grades (excluding fail status of Engineering Graphics and Design, and Civil Engineering and Mechanics of First Year Engineering Programme, if any) in the four semesters of II and III year shall be eligible to move to IV year.</p> <p>(b) For the award of degree, a CGPA <math>\geq 5.00</math> at the end of Programme shall be mandatory. [to be read with 18OB10.4 (1)].</p> <p>(c) Lateral entrant students from B.Sc Stream, shall clear the non-credit Courses Engineering Graphics and Elements of Civil Engineering and Mechanics of the First Year Engineering Programme for the award of degree.</p>



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18 OB 10.4</b>	<p><b>(1) Noncompliance of CGPA <math>\geq 5.00</math> at the end of the programme</b>          (i) Students who have completed all the courses of the programme but not having a CGPA <math>\geq 5.00</math> at the end of the programme, shall not be eligible for the award of the degree.          (ii) In cases of 18OB10.4 (1) (i), students are permitted to appear again for SEE in courses/s of any semester/s by rejecting the performance of the course/s [other than Internship, Technical seminar, Project (Mini and Main), and Laboratories] for any number of times, subject to the provision of 18OB1.4, to make up the CGPA equal to or greater than 5.00 for the award of the Degree.          (iii) SEE result of the previous attempt course/s when rejected shall be irretrievable and the students should obtain written permission from the Registrar (Evaluation) to reappear in the subsequent SEE.</p> <p><b>(2) Noncompliance of Mini-project</b>          (a) The mini-project shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the mini-project shall be declared fail in that course and shall have to complete the same during subsequent University examination after satisfying the Mini-project requirements. Also, mini-project shall be considered for eligibility to VII semester.</p> <p><b>(3) Noncompliance of Internship</b>          (a) All the students admitted to III year of BE/B.Tech shall have to undergo mandatory internship of 4 weeks during the vacation of VI and VII semesters and /or VII and VIII semesters. A University examination shall be conducted during VIII semester and the prescribed credits shall be included with the credits of VIII semester. Internship shall be considered as a head of passing and shall be considered for the award of degree. Those, who do not take-up/complete the internship shall be declared fail in that Course and shall have to complete the same during subsequent University examination after satisfy the internship requirements. ■</p>
<b>18 OB 11.0</b>	<b>Temporary Discontinuation/Break in the Programme</b>
<b>18 OB 11.1</b>	<p><b>(a)</b> If a candidate, for any reason, temporarily discontinues the Programme or take a break from the Programme during any semester intentionally, he/she may be permitted to continue the Programme by registering to the same semester of the prevailing scheme. The candidate shall complete all the remaining Course work subject to the provision 18 OB 1.4. Also the Candidates may have to complete additional Course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, Faculty of Engineering, on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the eligibility criteria prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidates shall not be eligible for the award of rank.</p> <p><b>(b)</b> Candidates who take admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons, including the case of 18OB11.1 (a), shall attend and complete all the remaining semester/s of the Programme adhering to the regulations of the prevailing scheme, and shall complete additional Course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, Faculty of Engineering, on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Courses shall not be considered for the eligibility criteria prescribed for promotion. However, based on the individual cases, it shall be considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidate shall not be eligible for the award of rank.</p> <p><b>(c)</b> The credits to be earned by the candidates under 18OB11.1 (a and b) and 18OB13.1(b) and (c) shall be decided by the University along with the additional Course/s to be completed. ■</p>



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E./B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18 OB 11.2</b>	<p>(i) The candidates who have temporarily discontinued the Programme of study or changed the scheme of study from one to another because of various reasons, or transferred from autonomous/other University to non-autonomous VTU affiliated college, shall be eligible for the award of degree provided the credits earned is equal to or greater than the credits decided by the University in the individual cases.</p> <p>(ii) In case, the credits earned is less than the credits decided by the University in the individual cases, after the completion of all the semesters of the Programme under the prevailing scheme, the candidate shall register for a Course not studied earlier and make up the credits earned equal to or greater than the required for the award of degree. ■</p>
<b>18 OB 12.0</b>	<b>Award of Prizes, Medals and Ranks</b>
<b>18 OB 12.1</b>	For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered subject to the provisions of the statutes framed by the University for such awards. ■
<b>18 OB 12.2</b>	<p>(1) For award of rank in a Specialization of Bachelor of Engineering/ Technology, the CGPA secured by the students from III to VIII semester is considered.</p> <p>(2) A student shall be eligible for a rank at the time of award of degree of Bachelor of Engineering/ Technology, provided that the student</p> <p>(a) (i) Has passed all the Courses of I to VIII semester in first attempt only in case of Candidates admitted to I year.</p> <p>(ii) Has passed all the Courses of III to VIII semester in first attempt only in case of Candidates admitted under lateral entry scheme.</p> <p>(iii) Has completed all the prescribed mandatory noncredit Courses.</p> <p>(b) Is not a repeater in any semester because of rejection of result of a semester/ shortage of attendance etc.</p> <p>(c) Has completed all the semesters without any break/discontinuity.</p> <p>(d) Has completed all the semesters (I to VIII/III to VIII) in VTU constituent college or in any VTU affiliated non-autonomous college.</p> <p>(e) Has not been transferred from autonomous institution affiliated to VTU or from any other University.</p> <p>(3) The total number of ranks awarded shall be 10% of total number of students appeared in VIII semester subject to a maximum of 10 ranks in a Specialization.</p> <p>(4) For award of ranks in a Specialization, a minimum of 10 students should have appeared in the VIII semester examination.</p> <p><b>Illustration:</b></p> <p>(a) If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Programme, the number of ranks to be awarded for Electronics and Communication Engineering shall be 10.</p> <p>(b) If 90 students appeared for the VIII semester in Biomedical Engineering, the number of ranks to be awarded for Biomedical Engineering will be 09.</p> <p>(5) In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place is greater than or equal to 5. ■</p>
<b>18 OB 12.3</b>	Ranks shall be awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B etc., shall be taken into account to decide the order of the rank. ■



**Visvesvaraya Technological University, Belagavi**  
**Regulations Governing the Degree of Bachelor of Engineering/ Technology (B.E/B.Tech)**  
**Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS)**  
**(Effective from the academic year 2018 – 19)**

<b>18 OB 13.0</b>	<b>Transfers of Students</b>
<b>18 OB 13.1</b>	<p>Transfer of students from one college to another college within the Karnataka state shall be permitted only at the beginning of third, fifth, and seventh semesters, subject to availability of seats within the permitted intake in respective Colleges and subject to the prior approval of the University.</p> <p>(a) Transfer of students from one non - autonomous to another non – autonomous college affiliated to VTU is permitted with the approval of the Registrar, VTU subject to the provision 18OB10.3.</p> <p>The students seeking transfer shall have to</p> <p>(i) Obtain No Objection certificate for admission from the University and from both the colleges before the commencement of term as notified by VTU.</p> <p>(ii) Complete the Programme subject to the provision 18OB1.4.</p> <p>(b) Transfer of students from an autonomous to non – autonomous college, affiliated to VTU is permitted with the approval of the Registrar, VTU provided the candidates have passed in all the Courses of the previous semesters.</p> <p>The students seeking transfer shall have to</p> <p>(i) Obtain No Objection certificate for admission from the University and from both the colleges before commencement of term as notified by VTU.</p> <p>(ii) Complete additional Course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, Faculty of Engineering, on establishing the equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the Eligibility criteria prescribed for promotion, Class, calculation of SGPA and CGPA. However, a pass in the additional Courses, if any, is mandatory before the completion of Degree.</p> <p>(iii) Complete the Programme subject to the provision 18OB1.4.</p> <p>(c) In the case of students from Universities other than VTU, the students must have passed in all the Courses of I and II semesters for admission to III semester and all the Courses of I to IV semesters for admission to V semester and all the Courses of I to VI semesters for admission to VII semester.</p> <p>The students seeking admission from other Universities to VTU shall have to</p> <p>(i) Apply for establishment of equivalence with prescribed fees as notified by the VTU and obtain No Objection certificate for admission from the University before the commencement of term as notified by VTU.</p> <p>(ii) Produce No Objection certificate for admission from both the colleges before the commencement of term as notified by VTU.</p> <p>(iii) Complete additional Course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, Faculty of Engineering, on establishing equivalence between two schemes. A Grade card shall be issued to that effect. Additional Course/s shall not be considered for the eligibility criterion prescribed for promotion, Class, calculation of SGPA and CGPA. However, a pass in the additional Courses, if any, is mandatory before the completion of Degree.</p> <p>(iv) Earn the credits intimated by the University.</p> <p>(v) Complete the Programme subject to the provision 18OB1.4. ■</p>
<b>18 OB 13.2</b>	Transfer of students within the College from one branch to another branch at the start of III semester shall be permitted with the approval of the Registrar, VTU subject to the provisions made by the Government of Karnataka and AICTE in this behalf. ■
<b>18 OB 13.3</b>	The University may prescribe fee for administration purpose, which shall be notified from time to time, for transfer from one college to another (Change of College) or one branch to another branch (change of branch within the college). ■



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<b>18 OB 14.0</b>	<b>Applicability and Power to Modify</b>
<b>18 OB 14.1</b>	The regulations governing the Degree of Bachelor of Engineering/Technology of Visvesvaraya Technological University shall be a binding on all concerned. ■
<b>18 OB 14.2</b>	i) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty. ii) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above. ■



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