Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

 Email: Info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org (Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)



CRITERION 1- CURRICULAR ASPECTS

Criteria 1.1

Curriculum Planning and Implementation

UNIVERSITY REGULATIONS 2015

SIET., TUMAKURU.

CHOICE BASED CREDIT SYSTEM (CBCS) REGULATIONS GOVERNING THE DEGREE OF BACHELOR OF ENGINEERING / TECHNOLOGY (B.E./B.Tech.)

DEFINITIONS OF KEY WORDS:

- 1. University: Visvesvaraya Technological University, Belagavi.
- **2. Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- **3. Semester:** Each semester will consist of 15-18 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from August to January and even semester from February to July.
- **4.** Choice Based Credit System (CBCS): The CBCS provides choice for students to select from the prescribed courses (core, elective and Foundation Courses).
- **5. Credit Based Semester System (CBSS):** Under the CBSS, the requirement for awarding a degree or certificate is prescribed in terms of number of credits to be earned by the students.
- **6. Programme:** An educational programme leading to award of a Degree or certificate.
- 7. Course: Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weightage. 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/seminars/term papers/assignments/presentations/self-study etc. or a combination of some of these.
- **8. Branch:** Specialization or discipline of B.E./B.Tech. Degree Programme, like Civil Engineering, Textile Engineering, etc.
- **9. Letter Grade:** 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.
- **10. Grade Point:** It is a numerical weightage allotted to each letter grade on a 10-point scale.
- 11. Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- **12. Credit Point:** It is the product of grade point and number of credits for a course.
- 13. Semester Grade Point Average (SGPA): It is a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits

- taken during that semester. It shall be expressed up to two decimal places.
- **14.** Cumulative Grade Point Average (CGPA): It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points earned by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
- **15. First Attempt:** If a student has completed all formalities and become eligible to attend the examinations and has attended at least one head of passing, such attempt (first sitting) shall be considered as first attempt.
- 16. Transcript or Grade Card or Certificate: Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.

Choice Based Credit System (CBCS): The CBCS provides choice for students to select from the prescribed courses.

Sequencing Plan for the B.E. / B.Tech. Degree Curriculum

Semesters	Course Coverage					
I –II	HSS, BS and ES; Common for all Branches;					
	Mandatory Courses					
III-IV	BS Common for all Branches and ES;					
	PS – Core/Elective					
V-VII	PS- Core & Electives; Other Electives;					
	Branch-wise Orientation					
VIII	PS-Electives/Elective; Other Electives,					
	Internship, Project work					

Abbreviations:

HSS - Humanities and Social Sciences

BS - Basic Sciences

ES - Engineering Sciences

PS - Professional Subjects

Credit Structure for Course Work

Lectures	Tutorial	Lab. Work	Credits	Credits	
(hrs/wk	(hrs/wk/	(hrs/wk/Sem)	(Lec:instruction:Lab)	(Total)	
/Sem)	Sem)				
4	0	0	4:0:0	4	
3	0	0	3:0:0	3	
0	1	2	0:1:2	2	

CHOICE BASED CREDIT SYSTEM (CBCS) REGULATIONS GOVERNING THE DEGREE OF BACHELOR OF ENGINEERING / TECHNOLOGY (B.E./B.Tech.)

	(B.E./B.Tech.)
15OB 1	TITLE AND DURATION OF THE PROGRAMME OF STUDY
15OB 1.1	The program of study shall be called the degree Program of study in
	Bachelor of Engineering / Technology, abbreviated as B.E. / B.Tech.
150B 1.2	The program shall be of four academic years duration divided into
	eight semesters, each semester having duration of 16 weeks. For
	evening courses the contact hours are to be satisfied by working extra
	on afternoons of Saturdays and Sundays.
15OB 1.3	The calendar of events in respect of the program of study shall be
	fixed by the University from time to time.
150B 1.4	The examination in all programs of study shall be conducted at the
	end of each semester for all eight semesters.
15OB 2	ELIGIBILITY FOR ADMISSION
	(The Government orders issued from time to time in this regard shall
	prevail).
15OB 2.1	Admission to I year / I semester Bachelor Degree in Engineering /
	Technology shall be open to the students who have passed the second
	year Pre-University or XII standard or equivalent examination
	recognized by the University.
	For the prerequisite qualification earned from foreign countries,
	Equivalence certificate from the Association of Indian Universities is
	Mandatory.
	The decision of the Equivalence committee shall be final in
1500.00	establishing the eligibility of student.
15OB 2.2	In addition to 150B 2.1, the student shall have secured not less than
	forty five percent (45%) marks in the aggregate with Physics and
	Mathematics as compulsory subjects, along with any one of the following subjects, namely, Chemistry, Bio-Technology, Computer
	Science, Biology and Electronics or as decided by the Government of
	Karnataka.
	Provided that, the minimum marks for the purpose of eligibility shall
	be forty percent (40%) in optional subjects in case of students
	belonging to SC/ST and OBC students from Karnataka or as decided
	by the Government of Karnataka.
	Provided further that, the student shall have studied and passed
	English as one of the subjects.
150B 2.3	Admission to II year/ III semester Bachelor Degree in Engineering/
	Technology (Lateral Entry) shall be open to the students
	Diploma Holders
	• Must have passed diploma or equivalent qualification as
	recognized by University and secured not less than forty five
	percentage (45%) marks in the final year examination (fifth and

- sixth semesters) in the appropriate branch of engineering. In case of SC/ST and OBC students from Karnataka the minimum marks for eligibility shall be forty percent (40%).
- Who have completed their Diploma from other than Karnataka state shall provide the Equivalence/ Eligibility Certificate from the Director of Technical Education, Karnataka.
- Who are seeking admission under lateral entry shall also clear prescribed Bridge courses (Advanced Mathematics – III and IV) and Mandatory subjects (CPH and CIV) as specified by the University.

B.Sc. Graduates

- **Must have** passed B.Sc. degree from a recognized University as defined by the UGC or equivalent qualification as recognized by University and secured not less than forty five percentage (45%) marks in aggregate (including all six semesters). In case of SC/ST and OBC students from Karnataka the minimum marks for eligibility shall be forty percent (40%). Should have studied Mathematics as subject of study at XII Standard.
- Further, all the B.Sc. students seeking admission to lateral entry shall also clear the following subjects before entering into V Semester
 - I. Computer Aided Engineering Drawing (CAED) and
 - II. Programming in C and Data Structures
 - III. CPH and CIV (if not studied at B.Sc. Level).

150B 2.4

Admission to Evening Programme of study shall be open to a student Who on the first day of the term notified by the University for the year of admission has at least one-year professional experience in the branch of engineering / technology, in which the student holds a diploma.

Explanation: Professional experience means employment on regular basis

- a. in Government, Government undertaking, Public Sector undertaking, Corporations or
- b. in a private company registered under the Directorate of Industries and Commerce or the Directorate of Small Scale Industries or
- c. In Government, Government recognized institutions as technical staff.

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 any Government, Government undertaking or Public Sector undertaking. Provided further that employment shall be in an establishment situated within the urban agglomeration of city in which the professional institution is situated.

150B 2.5

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 B.E./B.Tech. Degree Programme from Visvesvaraya Technological
	University, Belagavi or from the Principal of concerned Engineering
	College of Karnataka State.
15OB 3	ATTENDANCE REQUIREMENT
15OB 3.1	Each semester is considered as a unit and the student has 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 recommendation of the Principal of the college where the
	student is studying, showing reasonable cause such as medical
	grounds, participation in University level sports, cultural activities,
	seminars, workshops, paper presentation, etc.
15OB 3.2	The basis for the calculation of the attendance shall be the number of
	hours prescribed by the University by its calendar of events. For the
	first semester students, the same shall be reckoned from the date of
	admission to the course as per CET allotment.
150B 3.3	The students shall be informed about their attendance status
	periodically by the colleges so that the students shall be cautioned to
	make up the shortage. The Principals of the affiliated Colleges shall
	submit the list of students who have been detained for shortage of
	attendance by the end of the semester to the Registrar (Evaluation)
	with a copy to the Registrar. Provided that mere omission by the college to inform the student
	about the shortage of attendance shall not entitle him to appear for
	examination.
150B 3.4	A student having shortage of attendance in one or more subjects shall
1000 0.1	have to repeat the whole semester and such students shall not be
	permitted to take admission to next higher semester.
	Such students shall take readmission to the same semester in the
	subsequent academic year.
150B 3.5	TEMPORARY DISCONTINUATION OF THE PROGRAM:
	A student, who wishes to temporarily discontinue the program and
	continue the same subsequently, has to obtain prior permission from
	the University by applying through the Principal. Such students have
	to take readmission to the same semester/year in the subsequent
	academic year. However, the student shall complete the course as per
	15OB 6.2.
150B 4	INTERNAL ASSESSMENT MARKS
150B 4.1	There shall be a maximum of 20 Internal Assessment Marks in each
	theory or practical paper. For seminars, the Internal Assessment
	marks shall be 50.

150B 4.2	The Internal Assessment marks in a theory paper shall be based on two tests generally conducted at the end of 6th and 12th week of each semester. An additional test may be conducted for the desirous students before the end of the semester to give an opportunity to such students to improve their Internal Assessment Marks, subject to the provisions of 150B 4.13. The test shall be answered in Blue Books with pages serially numbered. These blue books shall be kept in the custody of the Principal of the College until after one month from the date of announcement of the result by the University. These shall be made available to University authorities for verification as per the
15OB 4.3	directions of the Registrar (Evaluation)/ Registrar. Average of the better marks obtained from any two tests shall be the Internal Assessment Marks for the relevant subject.
150B 4.4	If a student remains absent for all the Internal Assessment tests conducted, the Internal Assessment Marks shall be marked as AB for the subject against the University Seat Number (USN) of the student in the marks sheet submitted to the University by the Principal of the College.
15OB 4.5	In the case of a Practical, the IA marks shall be based on the laboratory journals/reports and one practical test.
150B 4.6	 The IA marks for I year Computer Aided Engineering / Drawing: a) 12 marks for class work (sketching and Computer Aided engineering drawing). b) 08 marks for test in the same pattern as that of the main examination (better of the two tests) ii) The IA marks for other Drawings and Design Drawings offered by various branches shall be based on the evaluation of the sheets and one test in the ratio 60:40.
150B 4.7	The IA marks in the case of projects and seminars in the final year shall be based on the evaluation at the end of 8 th semester 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 project / seminar guide.
150B 4.8	The final list, incorporating corrections (if any) of IA marks awarded to the students in the Theory/Practical/Internship/Project work/Seminar, shall be displayed on the notice board of the college at least seven days before the closure of the semester and a certified copy of the same shall be sent by the Principals to the University Examination Section within the stipulated date. Every page of the IA marks sheet shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and Principal.
150B 4.9	Any corrections or over writing of IA marks shall bear the signature(s) of concerned Teacher(s) and in such cases the Head of the Department shall on every sheet indicate the number of corrections and attest it with his signature.

150B 4.10	A student failing to secure a minimum of 50% of the IA marks in
(a)	Practical/Internship/Project work shall not be eligible for the Practical
1500 4 10	/Internship/Project of the University examination.
150B 4.10	, 1
(b)	the maximum.
15OB 4.11	Such students as mentioned in 150B 4.10 shall repeat the laboratory
	work/Internship/project work during the subsequent semester(s) and
	secure at least the minimum marks prescribed.
150B 4.12	For theory subjects, there shall not be any minimum requirements of
	IA marks.
150B 4.13	Improvement of IA marks shall not be allowed
	a. In theory subjects and
	b. In Laboratory/Workshop/Seminar/ Internship / Project where the
	student has already secured the minimum required marks.
150B 4.14	
1005 1.11	sent separately to the Registrar (Evaluation).
150B 4.15	
1305 1.13	examination as per the notification from the office of the Registrar
	(Evaluation) from time to time. After the submission of Internal
	Assessment marks to the University, any request for change of IA
15OB 5	marks shall not be considered under any circumstances.
1908.9	ELIGIBILITY FOR PASSING
	A student who obtained Grades O to E shall be considered as passed
	and if a student secured "F" grade in any of the head of passing he
1500 5 1	/she has to reappear for the examination.
150B 5.1	For a pass in a theory subject/drawing, the student shall secure
(a)	minimum of 35% of the maximum marks prescribed in the University
	examination and 40% of marks in the aggregate inclusive of the IA
	marks. i.e. Minimum Passing Grade is "E".
15OB 5.1	For a pass in a Practical/Internship/Project/Viva-voce examination, a
(b)	student shall secure a minimum of 40% of the maximum marks
	prescribed for the University Examination in the relevant
	Practical/Internship/Project/Viva-voce. i.e. Minimum Passing Grade
	in a course is "E".
150B 5.1	For a pass in Seminar, a student shall secure a minimum of 40% of
(c)	the maximum marks prescribed. i.e. Minimum Passing Grade is "E".
150B 5.2	The students who do not satisfy the condition 150B 5.1 and the
	student who remains absent shall be deemed to have failed in that
	subject and may reappear for the University examination in the
	subsequent examinations. However, the IA marks awarded to the
	student/s at first attempt in the concerned theory subject will be
	carried forward. In case of Practical/Internship/Projects/Seminar
	revised marks will be taken as per regulations 150B 4.10 (a & b) and
	15OB 4.11.
150B 5.3	The student who passes a course of a semester as per 150B 5.1 shall
-00000.0	passes a secure of a semicotor as per 100B off share

	not be allowed to appear for the same again, unless he/she opts for
	rejection of results as per 150B 5.4, 5.5, 5.6, 5.7 & 5.8.
OB 5.4	A student may, at his/her desire, reject his/her total performance of a
	semester (including IA marks) or he/she may reject the result of
	his/her performance in University examination of a semester only.
	The rejection is permitted only once during the entire course of study.
150B 5.5	The student who desires to reject the performance as per 150B 5.4
	shall reject performance in all the courses of the semester, irrespective
	of whether the student has passed or failed in any subject. However,
	the rejection of performance of 8th semester project result shall not be
	permitted.
150B 5.6	A student, who desires to reject the total performance of the semester
	including Internal Assessment, has to take readmission for the
	relevant semester. Application for such 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. Readmission to First
	semester in such cases shall not be considered as fresh admission i.e.,
	the student will continue to have the same University Seat Number,
	which was allotted earlier. The course duration permitted (as per
	150B 6) will be counted as per old USN.
OB 5.7	The student, who desires to reject only the results of University
	examination of a semester and does not desire readmission, shall be
	permitted to re-appear for examinations of all the subjects of the
	semester in the subsequent examinations. However, the IA marks
	obtained by the student in the rejected semester shall be retained.
	Applications for such rejection 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.
	If the rejection of the University examination results of the semester
	happens to be of the odd semester, the student shall be allowed to
	take admission to the immediate next even semester. However, if the
	rejection of the University result is of the even semester, the student
	shall not be allowed to take admission to the next odd semester (as per
15OB 5.8	150B 7.2). Such students who opt for rejection at final year are eligible for the
1000 0.0	award of class and distinction at the B.E./ B.Tech. degree level, but
	are not eligible for the award of ranks.
15OB 5.9	A student shall be declared to have completed the program of B.E. /
1000 0.9	B.Tech., degree, provided the student has undergone the stipulated
	course work as per the regulations and has earned at least 200
	Credits.
15OB 6	MAXIMUM DURATION FOR COURSE COMPLETION
150B 6.1	A student who has not obtained the eligibility for third semester after a

	. 1 C.1 1
	period of three academic years from the date of first admission shall
	discontinue the course. However, the student is eligible for
	readmission for first year B.E./B.Tech. in respective College of the
	University and he/ she shall be allotted a University Seat Number
	(USN) without any change in the year of admission in the USN but the
	serial number of the student shall start with six hundred (6XX) series
	in the same branch.
150B 6.2	The student admitted to 1st year B.E/ B.Tech. shall complete the
	course within a period of eight academic years from the date of first
	admission, failing which he/she has to discontinue the course.
	The students admitted under lateral entry scheme (2nd Year
	B.E./B.Tech.) shall complete the course within a period of six
	academic years from the date of first admission, failing which he/she
	has to discontinue the course.
150B 7	PROMOTION AND ELIGIBILITY FOR THE EXAMINATIONS
150B 7.1	There shall not be any restriction for promotion from an odd semester
10011	to the next even semester, provided the student has fulfilled the
	attendance requirement.
150B 7.2	A student shall be eligible for promotion from an even semester to the
1000 7.2	next odd semester (i.e. of the next academic year) if the student has
	not failed in more than four heads of passing of the immediately
	preceding two semesters and has passed in all the subjects of all the
	lower semester examinations. A theory or practical shall be treated as
	a head of passing.
	Illustrations
	a. A student seeking eligibility to 3 rd semester should not have failed
	in more than 4 heads of passing of first and second semesters
	taken together.
	b. A student seeking eligibility to 5 th semester should have passed in
	all the subjects of 1st and 2nd semesters and should not have failed
	in more than 4 heads of passing of third and fourth semesters
	taken together.
	c. A student seeking eligibility to 7th semester should have passed in
	all the subjects up to 4th semester and should not have failed in
	more than 4 heads of passing of 5th and 6th semesters taken
	together.
	The Subjects:
	1. Constitution of India, Professional Ethics and Human Rights, and
	2. Environmental Studies
	are Mandatory Non-Credit Courses; these subjects shall not be
	considered for the Eligibility for promotion, award of Class,
	calculation of SGPA and CGPA. However, a pass in the above
15000	subjects is mandatory before the completion of Degree. COURSES
15OB 8	

150P Q 1	There will be Four types of courses
150B 8.1	(i) Core Courses: This is the course which is to be compulsorily studied by a student as a core requirement to complete the requirements of a program in a said discipline of study. These courses will have 4 credits per course. (ii)Foundation Courses: The Foundation Courses are of two kinds: Compulsory Foundation and Elective foundation. "Compulsory Foundation": These courses are the courses based upon the content that leads to Knowledge enhancement. They are mandatory for all disciplines. These courses will have 4 credits per course. "Foundation Electives": These are value based courses aimed at man making education. These courses will have 3 credits per course. (iii)Elective Courses: This is course, which can be chosen from the pool of papers. It may be supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline / domain / nurturing student proficiency skills. These courses will have 3 credits per course. (iv)Mandatory Non-Credit Courses: These courses are mandatory for students joining B.E./B.Tech. Program and students have to successfully complete these courses before the completion of degree.
15OB 8.2	The minimum number of students to be registered for an Elective to be offered shall be not less than ten.
15OB 8.3	A student shall exercise his option in respect of the electives and register for the same at the beginning of the concerned semester. The student may be permitted to opt for change of elective subject within 15 days from the date of commencement of the semester as per the calendar of the University.
150B 9	INTERNSHIP
150B 9.1	 Internship: The student shall undergo an Internship for 8 weeks i.e. starting from the end of 7th semester Examination after availing one week vacation and completing during the initial period of 8th semester. 1. The college shall nominate a faculty for a group of students to prepare the students for internship. 2. The students shall report the progress of the internship to the guide in regular intervals and may seek his/her advise. 3. The Internship shall be completed between 7th and 8th semesters. 4. After completion of 7th semester Theory and Practical examinations, the students shall have one week vacation.
	5. Immediately after availing one week vacation, the students shall undergo internship (without waiting for the results) which may be a period of 4/5 weeks.

- 6. The remaining period of internship; i.e. 4/3 weeks shall be completed during the initial period of the 8th semester.
- 7. After completion of Internship, students shall submit a report to the college with the approval of both internal and external guides.
- 8. There will be 50 IA and 50 External marks for Internship.
- 9. The guide shall be the internal examiner and IA marks out of 50 are to be awarded by the internal guide after evaluating the Internship Report submitted by the student.
- 10. Viva-Voce on internship shall be conducted at the college and the date of Viva-Voce shall be fixed in consultation with the external Guide.
- 11. Viva-Voce on internship shall be conducted by both internal and external guides and jointly evaluate the internship report for 50 marks. The expenses of external guide are to be borne by the student/college.
- 12. In case of the non availability of external guide for the conduct of viva-voce, the Principal shall appoint a senior faculty of the department to conduct viva-voce along with the internal guide, and they jointly evaluate the internship report for 50 marks.
- 13. The students are permitted to carry out the internship outside India with the following conditions:
 - a. The entire expenses are to be borne by the student or college and the University will not give any financial assistance.
 - b. The Internal Guide has to visit at least once during the student's internship; the expenses of the visit are to borne by the student/college.
 - c. The external guide from the industry has to be an examiner for the viva voce on Internship, and the expenses are to be borne by the student/ college.
 - d. The University will not provide any kind of Financial Assistance to any student for internship and for the conduct of Viva-Voce on internship.

15OB9.2	Report on Internship : The College shall facilitate and monitor the student internship program. The internship report of each student shall be submitted to the Head of the Department of the college with the approval of the Guide.										
15OB9.3	mand	ng to latory; if gible for	any stud	lent fails	s to co		-			-	is ot
15OB9.4		completi the interr		nternsh	ip : In	such	cases,	the stu	adent	has	to
15OB 10	SEMI	NAR AN	D PROJI	ЕСТ							
150B 10.1	Seminonly.	nar topic	shall b	e selec	ted fro	om th	e emerg	ging tec	chnica	al area	as
150B 10.2	consi	ct work a sting of n	ninimum	of two	studer	its and	d maxim	um fou	r stu	dents.	
150B 10.3	Viva-ı	voce exar	nination	in proje	ct wor	k shal	l be con	ducted	batch	ı-wise.	•
150B 11	COM	PUTATIO	ON OF SO	GPA AN	D CGF	PA					
	i.	with se	ed to grad mester	des, and grade p	d every point	seme averag	ester res ge (SGP	ults wil A) and	l be d Cun	leclare nulativ	ed ve
			oint Ave	• •	,		JPA WIII	be cale	culate	ed ever	ry
		The grad	r, except				orring lo	ttor oro	don o	, a aire	
	11.	below:	unig sys	tem 18 v	vitii ti	16 10110	Jwing ie	iter gra	iues a	is give	711
			and Gra	de Poin	ts						
		Level	Out- standing	Excellent	Very Good	Good	Above Average	Average	Poor	Fail	
							_				
		Letter Grade	0	S	A	В	C	D	E	F	
	Grade 10 9 8 7 6 5 4 00 Points										
	iii.	iii. A student obtaining Grade "F" shall be considered failed and will be required to reappear in the examination. Such students after passing the failed subject in subsequent examination/s will be awarded with "E" grade irrespective of marks he/she scores in the subsequent examination/s. Number of attempts taken to clear a subject/s shall be shown in									
		the transcripts.									

Grade Points Scale

Level	Out- standing	Excellent	Very Good	Good	Above Average	Average	Poor	Fail
Letter Grade	Ο	S	A	В	С	D	E	F
Grade Points	10	9	8	7	6	5	4	00
Score (Marks) Range (%)	≥ 90	<90	< 80 ≥70	< 70 ≥60	< 60 ≥50	< 50 ≥45	<45 ≥40	< 40

Computation of SGPA and CGPA

The following procedure to compute the Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA):

i. The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

SGPA (Si) =
$$\sum$$
(Ci x Gi) / \sum Ci

where Ci is the number of credits of the ith course and Gi is the grade point scored by the student in the ith course.

ii. The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

CGPA =
$$\sum$$
(Ci x Si) / \sum Ci

where Si is the SGPA of the ith semester and Ci is the total number of credits in that semester.

iii. The SGPA and CGPA shall be rounded off to 2 decimal places and reported in the transcripts.

Illustration for Computation of SGPA and CGPA

Computation of SGPA

Illustration No.1

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	4	A	8	4x8 = 32
Course 2	4	С	6	4x6 = 24
Course 3	4	В	7	4x7 = 28
Course 4	3	О	10	3x10= 30
Course 5	3	D	4	3x4 = 12
Course 6	3	С	6	3x6 = 18
Course 7	2	S	9	2x9 = 18
Course 8	2	С	6	2x6 = 12
	25			174

Thus, **SGPA= 174/25=6.96**

Illustration No.2

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 1	4	A	8	4x8 = 32
Course 2	4	С	6	4x6 = 24
Course 3	4	В	7	4x7 = 28
Course 4	3	О	10	3x10= 30
Course 5	3	F	0	3x0 = 00
Course 6	3	С	6	3x6 = 18
Course 7	2	S	9	2x9 = 18
Course 8	2	С	6	2x6 = 12
	25			162

Thus, **SGPA= 162/25=6.48**

Illustration No.2(a)

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)
Course 5	3	E	4	3x4 = 12
	25			Ci (First Attempt)162 + Ci (subsequent attempt) 12= 174

Thus, **SGPA= 174/25=6.96**

Illustration No.3

Course	Credit	Grade letter	Grade point	Credit Point (Credit x Grade)		
Course 1	4	A	8	4x8 =32		
Course 2	4	С	6	4x6 =24		

	Carrea	2	1	D	7	17	-00	
	Course 3 Course 4		3	<u>В</u> О	7 10	4x7 3x10		
	Course 5		3	S	9			
	Course 6		3 C		6			
	Course		2	S	9	2x9		
	Course	-	2	<u>S</u>	6	2x9 2x6		
	Course	0	25		0	230	189	
	Thus, SGI	 DΔ= 190		56			109	
	ilius, SGI							
		CGI	PA=	$\frac{96+25x7.56}{50}$ =	7.26			
	CGI	PA afte	r Final	Semeste	r			
	Sem 1	Sem 2	Sem 3	Sem 4	Sem 5	Sem 6	Sem 7	Sem 8
		Credit:24 SGPA:8.5	Credit: 27 SGPA:9.2	Credit: 27 SGPA:6.86	Credit :24 SGPA:8.18	Credit: 24 SGPA:7.73	Credit: 24 SGPA:8.68	Credit : 26 SGPA:9.4
	Thus, CGI	PA= <u>24<i>x</i>7</u>	+24x8.5+2	27x9.2 + 27x6	.86 + 24x8.18	3 + 24x7.73 + 2	24x8.68 + 26x9	· <u>4</u> = 8.2
					200			
	_	•	•					on Letter
		_				•	-	for each
					script in	dicating	the perior	rmance in
15OD 10	all semest				DEDOE	MTACE.		
150B 12	Conversion		_		_		Dercentoo	re is
	[CGPA Ear						_	3C 1S
	[CGI II Bai	ilica - c	7.70j X 1	0- 1 crcc	itage of i	marks sci	orcu.	
	Illustratio	on: [CG	PA Earn	ed 8.2 - (0.751x = 10) = 74.5%		
150B 13	AWARD O					1 1,0 70		
150B 13.1	For the av		· ·			condition	e etimulat	ed by the
1005 15.1					•		-	e statutes
	framed by	-		-		providio	7115 01 (11)	e statutes
150B 13.2	•					num of 1	0 studen	its should
				•				number of
	ranks awa							
	8th semest	ter or 10) studer	nts, which	never is 1	ess in tha	at branch	
	Illustration	n:						
	1. If 1	028 stı	idents a	appeared	for the	8th seme	ester in E	Clectronics
	and	Comm	unicatio	on Engine	eering B	ranch, th	e number	r of ranks
			ded for	Electroni	cs and (Communi	ication E	ngineering
	will			_			_	
			_	-				Biomedical
			_			of ranks	to be aw	varded for
1500				ering will		.i., / //	1 1 -	41 OODA
150B					டாgineer	ing / Teo	ennology,	the CGPA
13.3	secured by				atudant	a admitt	od to D.D	r /D Tash
	•				student	s aumitte	ես ա թ.բ	E./B.Tech.
	Prog	grain iro	III 1st yo	ear, and				

	 b) 3rd to 8th semester for the students admitted to B.E./B.Tech. Program from 2nd year (Lateral Entry) shall be considered. A student shall be eligible for a rank at the time of award of degree in each branch of Engineering / Technology, provided the student a. Has passed 1st to 8th (students joining from 1st semester) or 3rd to 8th (in case of lateral entry) semester in all the subjects in first attempt only b. Has not repeated/rejected any of the lower semesters.
150B	If two students get the same CGPA, the tie should be resolved by
13.4	considering the number of times a student has obtained higher SGPA;
	but, if it is not resolved even at this stage, the number of times a student has obtained higher grades like O, S, A, B etc shall be taken into account in rank ordering of the students in a program.
150B 14	TRANSFER OF STUDENTS
150B14.1	Transfer of students from one college to another college within
	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 and the provisions of 15OB 7.2. In the case of students from Universities other than VTU the students should have passed in all the courses of 1st & 2nd semesters for admission to 3rd semester and all the courses of 1st to 4th semesters for admission to 5th semester and all the courses of 1st to 6th semesters for admission to 7th semester. The students seeking admission from Universities other than VTU shall have to a. apply for establishment of equivalence with prescribed fees as notified by the VTU and b. Obtain No Objection for admission from the university before commencement of term as notified by VTU.
150B14.2	Transfer of students within the College from one branch to another
	branch at 3 rd semester shall be permitted with the prior approval of
	the VTU and subject to the provisions made by the Government of
	Karnataka and AICTE in this behalf.
150B14.3	The University may prescribe fee for administrative purpose (for
	updating of the records), 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).

NOTE: These regulations governing the Degree of Bachelor of Engineering/Technology of Visvesvaraya Technological University shall be binding on all and may be modified from time to time.

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

Criteria 1.1

Curriculum Planning and Implementation

UNIVERSITY REGULATIONS 2017



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018

Dr. H. N. Jagannatha Reddy, BE,,ME,, Ph.d. REGISTRAR

Phone: (0831) 2405468 Fax : (0831) 2405467

Ref No. VTU/Aca/A12/2017-18/4 \$ 80

Date: 1 4 SEP 2017

NOTIFICATION

Sub:

Regulations B.E/B.Tech & Scheme for 2017-18 admitted students and onwards

Ref:

1. Resolution No 2 of 133rd Extraordinary Executive Council Meeting, dated: 11st

September 2017. 2. Vice-Chancellor's order, dated 14.09.2017

With reference to the above subject, the Scheme & Regulations governing B.E/B.Tech programme from the academic year 2017-18 has been updated on the website.

In this regard following is brought to the notice:

- 1. The Course Evaluation shall be carried in the ratio 60 and 40 for SEE (Semester End Examination) and CIE (Continuous Internal Evaluation) respectively.
 - The SEE will be conducted for 100 marks and proportionally reduced to 60 marks.
 - The CIE is prescribed for maximum of 40 marks. Marks prescribed for test shall be 30 and that for assignment is 10. The CIE marks for test in a theory Course shall be based on three tests generally conducted at the end of fifth, tenth and fourteenth week of each semester. Each test shall be conducted for a maximum of 30 marks and the final marks shall be the average of three tests. The remaining 10 marks shall be awarded based on the evaluation of Assignments/Unit tests/written Quizzes that support to cover some of the Course/program outcomes. Final CIE marks awarded shall be the sum of these two out of maximum of 40 marks.
 - In the case of Practical, the CIE marks shall be based on the laboratory journals/ records (30 Marks for continuous evaluation based on conduct of experiment, viva and report writing) and one practical test (10 Marks) to be conducted at the end of the semester.
- 2. The Scheme of teaching from the academic year 2017-18 admitted batch and onwards has been changed by retaining the contents of the syllabus of 2015-16 scheme as it is.

Principals of Constituent and Affiliated Engineering Colleges are required to conduct an orientation program for the students, clearly mentioning the guidelines of Regulations & Scheme.

Contents of this notification may kindly be brought to the notice of all the concerned.

Sd/-REGISTRAR

The Principals of Constituent & Affiliated Engineering Colleges.

Copy FWCs to:

- The Vice Chancellor, through Secretary to VC, VTU, Belagavi, for information.
 The Registrar, VTU, Belagavi, for information.
 The Registrar (Evaluation), VTU, Belagavi, for information and needful.

- 4. The In-Charge Regional Director's of VTU Regional Offices at Belagavi, Bengaluru, Mysuru & Kalaburagi, for information.
- 5. The Special Officer, Academic Section, VTU, for information.
- 6. Office Superintendent, Academic Section, VTU, for information.
- 7. CNC to upload.

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

Phone: 0816 - 2212629 | Principal: 0816 - 2212627, 9686114899 | Telefax: 0816 - 2212628

 Email: Info@shrideviengineering.org, principal@shrideviengineering.org | Website: www.shrideviengineering.org (Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)



CRITERION 1- CURRICULAR ASPECTS

Criteria 1.1

Curriculum Planning and Implementation

UNIVERSITY REGULATIONS

2018

SIET., TUMAKURU.



Visvesvaraya Technological University

"Jnana Sangama", Belagavi - 590 018, Karnataka State

Prof. A S. Deshpande B.E. M.Tech., Ph.D. REGISTRAR

Ref VTU/BGM/Aca-OS/Gen-Cirs/2019-20/ 3013

NOTIFICATION

Phone: (0831) 2498100 Fax: (0831) 2405467

Date : _ 1 AUG 2019

Sub: Regulations Governing the Degree of B.E./ B.Tech. under OBE and (Revised-2018) – reg...

Ref: Executive Council Resolution. No. 2.2.1 dt: 30th May, 2019

Pursuant to the aforesaid Executive Council Resolution, the "Regulations Governing the Degree of B.E./ B.Tech. under outcome Based Education and Choice Based Credit System - (Revised - 2018)" are hereby notified.

These Regulations are applicable for the following students:

- 1. Admitted to I semester/I year from the academic year 2018-19 (i.e. USN XXX18XXXXX)
- 2. Admitted to III semester/II year from the academic year 2019-20 (i.e. USN XXX19XX4XX)

You are hereby directed to bring the same to the notice of all the concerned and to follow them scrupulously.

The previous regulations in this regard (published on VTU website and printed in syllabus books are treated as null and void.

Encl: as above

BY ORDER

REGISTRAR

To,
The of Principals of All Engineering Colleges under the ambit of VTU, Belagavi

Copy to:

- 1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
- 2. The Registrar (Evaluation), VTU, Belagavi
- 3. The Regional Directors (I/C) of all the Regional Offices of VTU for circulation
- 4. The Computer Network Centre, VTU, Belagavi- to upload on VTU website
- 5. PS to Registrar, VTU, Belagavi
- 6. All the concerned Special Officer and Case-workers of Academic Section, VTU, Belagavi

Definitions of Keywords

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of B.E./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 B.E./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.
- Course: Refers to usually 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.
 - **Credit:** Refers to a unit by which the Course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork per week etc.
- 7) Audit Courses: Means the 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, Counsellor etc.) in each semester for the Institution to maintain proper record.
- 10) Course Evaluation: Means Continuous 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 examinations conducted 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 be considered 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.
- 15) Credit Representation: Refers to the Credit Values for different academic activities considered, as per the Table. I Credits for seminar, project phases, project viva—voce and internship shall be as specified in the Scheme of Teaching and Examinations.
- 16) Letter Grade:

Table 1: Credit Values										
Theory/Lectures (L) (hours/week/Semester)	Tutorials (T) (hours/week/Semester)	Laboratory/Practical (P) (hours/week/Semester)	Credits (L:T:P)	Total Credits						
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: 18 OB 6.0]. The rubrics 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.

Letter Grade and corresponding Grade Points on a typical 10 – Point scale										
Letter Grade	S	Α	В	С	D	Е	F			
Grade Point	10	09	08	07	06	04	00			

- **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 GP and number of credits for a Course i.e., Credit points (CrP) = $GP \times Credits$ for the Course.
- 21) Semester Grade Point Average (SGPA): Refers to the measure of academic performance of student/s in a semester. [Refer: 18OB6.2]
- **22)** Cumulative Grade Point Average (CGPA): Is a measure of overall cumulative performance of a student over all semesters. [Refer:180B6.2]
- **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.

18OB1.0	Title Duration and Credite of the Durant Cot. 1
18OB1.0	Title, Duration and Credits of the Programme of Study.
	The Programme of study shall be called the degree of Bachelor of Engineering /Bachelor of Technology, abbreviated as B.E./B.Tech.
18OB1,2	 (a) The Programme to which students are admitted to First semester of B.E./B.Tech. Programme shall be of four academic year duration divided into eight semesters. The actual Teaching and Learning days shall be for at least 90 working days in a semester. (b) The Programme to which students are admitted to third semester of B.E./B.Tech. Programme under lateral entry shall be of three academic year duration, divided into six semesters. The actual Teaching and Learning days shall be at least 90 working days in a semester. (c) The Programme (conducted during evening) to which students are admitted to third semester of B.E./B.Tech. Programme under lateral entry scheme shall be of three academic year 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).
18OB1.3	The calendar of events in respect of the Programme of study shall be notified by the University in advance.
18OB1.4	Maximum Duration for Programme Completion:
San	(a) In case of students admitted to First semester of First year B.E./B.Tech. Programme (i) Students admitted to First year first semester B.E./B.Tech. shall complete the Programme within a period of eight academic years from the date of first admission, failing which they have to discontinue the Programme. (ii) A student who has not obtained eligibility to third semester even after three academic years from the date of first admission to first semester shall discontinue the Programme or get readmitted to first semester of first year B.E./B.Tech. with a revised University Seat Number having the same year of admission but serial number of the student starting with SIX hundred series (6XX). (iii) A student who has joined first year (to I or II semester) as a repeater and has not obtained eligibility to third semester even after three academic years from the date of readmission to first year shall discontinue the Programme or get readmitted to first semester of first year B.E./B.Tech., subject to the provision of 18OB1.4 (a)(i), with a revised University Seat Number having the same year of admission but serial number of the student starting with SIX hundred series (6XX). (iv) A student, who has been readmitted to First year [as per 18OB1.4 (a) (ii)and (iii)], does not get eligibility to third semester even after two academic years from the date of readmission, he/she shall discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time. (v) A student who gets admitted to III semester from I year in three or less than three years
	shall complete the Programme, with or without break, within a period of eight academic years from the date of first admission, failing which they have to discontinue the Programme or seek fresh admission following the prevailing admission procedure at that time. (b) In case of lateral entry students admitted to Third semester of Second year B.E./B.Tech. Programme. (i) Students admitted to second year third semester B.E./ B.Tech. shall complete the Programme within a period of six academic years from the date of first admission, failing which they have to discontinue the Programme. (ii) A student who has not obtained eligibility to fifth semester even after two academic years from the date of first admission to third semester shall discontinue the Programme or get readmitted to third semester of second year B.E./B.Tech. with a revised University Seat Number having the same year of admission but serial number of the student starting with SEVEN hundred series (7XX). (iii) A student who has joined second year (to III or IV semester) as a repeater and has not

	Effective from the Academic Year 2018 – 19
	obtained eligibility to fifth semester even after three academic years from the date of
9	readmission to second year shall discontinue the Programme or get readmitted to third
	semester of second year B.E./B.Tech., subject to the provision of 18OB1.4 (b) (i), with a revised University Seat Number having the same year of admission but serial number of the
	student starting with SEVEN hundred series (7XX).
	(iv) A student, who has been readmitted to second year [as per 180B1.4 (b) (ii) and (iii)],
	does not get eligibility to fifth semester even after two academic years from the date of
	readmission to second year, he/she shall discontinue the Programme or seek fresh admission
	following the prevailing admission procedure at that time.
	(v) A student who gets admitted to V semester from II year in two or less than two years
	shall complete the Programme, with or without break, within a period of six academic years
	from the date of first admission, failing which they have to discontinue the Programme or
	seek fresh admission following the prevailing admission procedure at that time.
18OB1.5	Prescribed Number of Credits for the Programme [to be read along with 18OB12.2]:
	(a) The number of credits to be completed by students admitted to first semester of
	B.E./B.Tech. Programme shall be 175.
	(b) The number of credits to be completed by students admitted to third semester of
	B.E./B.Tech. Programme under lateral entry scheme shall be 135.
	(c) A student shall be eligible to get Undergraduate degree with Honours, if he/she earns
	additional 20 credits, as per VTU norms issued from time to time regarding the earning of
	additional credits. [To be read along with Regulations Governing the award of Honours' in
	B.E./B.Tech. Degree Programmes.]
18OB1.6	(a) Definition of Credits:
	(a.1) 1 hour Lecture (L) per week per semester = 1 Credit
	(a.2) 2 hours Tutorial (T) per week per semester = 1 Credit
	(a.3) 2 hours Practical/Laboratory/Drawing (P) per week per semester = 1 Credit.
	(a.4) Four credit theory courses shall be designed for 50 hours of Teaching – Learning
	process.
	(a.5) Three credit theory courses shall be designed for 40 hours of Teaching – Learning
190D2.0	process.
18OB2.0	Eligibility for Admission to B.E./B.Tech. Programmes (As per the Government orders issued from time to time)
18OB2.1	(a)Day Engineering College (Eligibility: Candidates who have Passed Second PUC/
	Twelfth standard)
	A Part of the second of the se
	Languages and obtained a minimum of 45 % of Marks in aggregate in Physics and
, se	Mathematics along with Chemistry/Bio-Technology/Biology/Electronics/Computer. 40 %
adition.	for SC, ST, Category – 1, 2A, 2B, 3A and 3B category candidates of Karnataka only.
A le Par	(ii) Those students, who have passed a qualifying examination other than the PUC II
The office of	examination of the Pre-University Education Board of Karnataka, have to obtain eligibility
High 590	certificate for seeking admission to B.E./B.Tech. Degree Programme from Visvesvaraya
CAN.	Technological University, Belagavi.
THE SECTION OF SECTION	(b) Day Engineering College (Eligibility: Candidates who have Passed 3 year Diploma)
	(i) A candidate who has passed any Engineering 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 B.E./B.Tech. Programmes, in respective branch
	of Engineering (as notified by the Government of Karnataka for admission to 3rd
	semester / 2nd year B.E./B.Tech.) and 40 % of marks in qualified examination in case of
•	SC, ST and Backward Classes of Karnataka candidates.
	(ii) Those candidates who have completed Engineering Diploma from other than Karnataka
	state shall provide the Equivalence/ Eligibility Certificate issued from the Director of
	Technical Education, Karnataka.

Effective from the Academic Year 2018 – 19 (c) Evening Engineering College (Eligibility: Candidates who have Passed 3 year Diploma): (i) A candidate who has passed any Engineering 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 B.E./B.Tech. Programmes, in respective branch of Engineering (as notified by the Government of Karnataka for admission to 3rd semester / 2nd year B.E./B.Tech.) 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 1st September of the year of admission, in a registered firm/Company/Industry/Educational Institution /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. Professional experience refers to the experience earned as an employee on regular basis in Government, Government Undertaking, Public Sector Undertaking, Corporation or Private company registered under the Directorate of Industries and Commerce or the Directorate of Small Scale Industries or Government recognized Institutions as technical staff. 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. Note: 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. (d) Day Engineering College (Eligibility: Candidates who have Passed B.Sc Degree) 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. 18OB2.2 With regard to the qualification earned from foreign countries, Equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.E./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. 180B3.0 Courses 180B3.1 There shall be the following types of Courses: (a) Humanities, Social Sciences and Management Courses (HSMC): These are mandatory for all disciplines. (b) Basic Sciences Courses (BSC): Physics, Chemistry and Mathematics. These are mandatory for all disciplines. (c) Engineering Science Courses (ESC): Materials, Workshop, Drawing, and Basics of Electrical/ Electronics/ Instrumentation/ Civil/ Mechanical/ Computer Engineering etc. These are mandatory for all disciplines. (d) Professional Core 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. (e) 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.

Approved by VTU Executive Council: Resolution No. 2.2.1 in its 146th meeting held on 30th May, 2019

elsewhere without affecting with the regular classwork.

or from emerging fields.

(f) Open Elective Courses (OEC): Are the Elective Courses from other technical areas and/

(g) Project Work (PROJ): Mini project and Main Project. Carried out at the Institution or

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
	(h) Seminar: Deliverable at the Institution under the supervision of a Faculty.
	(i) 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 Examinations.
	(j) Mandatory Courses (MC): These Courses are mandatory, without the benefit of a grade
	or credit, for students admitted to B.E./B.Tech. Programme. A pass in each mandatory
	Course is required to qualify for the award of degree.
18OB3.2	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 class strength
10070	of less than 10. In such cases, only one elective course shall be offered.
18OB3.3	A student shall exercise his option in respect of Elective Course/s and registered for the
1	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.
18OB3.4	Course Registration:
	In order to maintain proper academic record of each student at the Institution, every student
	shall register for the Courses of a semester (Credits) under the supervision of a Faculty
10000	Advisor (also called Mentor, Counselor, etc.,) in each semester.
18OB4.0	Internship/Professional Practice
18OB4.1	Internship / Professional Practice
	The Internship shall be completed during the period specified in the Scheme of Teaching
	and Examinations.
1	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 Examinations.
	2) The Department/college shall nominate staff member/s to facilitate, Guide and supervise
	students under internship.
	3) The students shall report 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
Septimization of the septimiza	certificate and attendance certificate to the Head of the Department with the approval of
West.	both internal and external Guides.
A JUNI	5) There shall be 40 marks for CIE and 60 marks for SEE. The minimum requirement of
Springer of St.	CIE marks shall be 50% of the maximum marks.
190,00	6) The internal Guide shall be the internal examiner for the SEE. 7) The external Guide for Internal in the library shall be the external Guide for Internal in the library shall be the external Guide for Internal in the library shall be the external Guide for Internal in the library shall be the external Guide for Internal in the library shall be the external Guide for Internal in the library shall be the internal examiner for the SEE.
Chill.	7) The external Guide for Internship shall be the external examiner for SEE. Examination for internship shall be conducted at the callege and the day of the conducted at the callege and the day of the callege and the callege and the day of the callege and the day of the callege and the day of the callege and the callege an
S. P.	for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Exeminary shall injurity at 1.11 GEF
7	with the external Guide. The Examiners shall jointly award the SEE marks. [To be read along with 180B8.9 (f)]
	8) In case the external Guide expresses his inability to conduct the Examination, the
	Principal /Chief Superintendent of the Institute shall appoint a senior faculty of the
	Department to conduct the Examination along with the internal Guide.
	9) Non-availability of Internal guide due to inevitable situations for the conduct of SEE, the
	Principal /Chief Superintendent of respective institute shall appoint a senior faculty of the
	Department to conduct the Examination.
	10) 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.
18OB 5.0	Technical Seminar and Project
180B 5.1	Technical Seminar: Technical Seminar is one of the head of passing.
	(i) Each candidate shall deliver Technical seminar as per the Scheme of Teaching and
1	Examinations on the topic chosen from the relevant field.
	(ii) The Head of the Department shall make arrangements for the conduct of seminars
	arrangements for the conduct of seminars

20		Ef	fective from	the Academi	Year	2018 – 1 9)	(/					
	through concerned faculty members of the Department. The committee, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The												
	purpose l	y the Head	of the Dep	artment, sha	l awar	d the CI	E marks fo	or the sem	inar. The				
	committe	e shall cons	ist of two s	enior faculty	meml	bers of t	he Departr	ment and t	he senior				
4000 # 4				To be read alo									
18OB 5.2	Project: I	Project: Project (Mini and Main) is one of the head of passing. Mini Project Work and Main Project Work shall preferably be batch wise, the strength of each batch shall not exceed a maximum of four students. (To be used above it 1800 0.2)											
	Mini Proj												
	each batc	each batch shall not exceed a maximum of four students. [To be read along with 18OB 8.2]											
1000 5.3	(f), (g) 18	(f), (g) 18OB8.9 (f) and the details mentioned in Scheme of Teaching and Examinations.]											
18OB 5.3		Examinations in Mini Project Work and Main Project Work shall be conducted batch-wise.											
18OB 6.0		Computation of SGPA and CGPA											
18OB 6.1	(i) The U	i) The University adopts absolute grading system wherein the marks are converted to											
	grades, a	grades, and every semester results shall be declared in terms of Semester Grade Point											
	Average	Average (SGPA) considering all the courses appeared in that Semester End Examinations including backlog course/s/arrear papers (refers to courses other than the current semester											
	including	backlog cou	urse/s/arrear	papers (refe	rs to c	ourses o	ther than t	he current	semester				
	courses the	nat have not	yet been co	ompleted) an	d Cum	ulative (Grade Poin	t Average	(CGPA).				
	The CGP.	A will be cal	lculated for a	every semest	er, exc	ept for th	ie first sem	ester.					
	(ii) The g	grading syst	em with the	e letter grad	es and	l the ass	signed rang	ge of mar	ks under				
	absolute g	grading syste	em shall be a	is given belo	w:								
	Level	Outstand	ding Exce	llent Very	Good	Good	Above Average	Average	Fail				
	Letter Grade	_ 3	A	1	3	C	D	E	F				
	Grade Points				3	7	6	4	00				
	Percentage Marks Scor		<9 ≥8		80 70	< 70 ≥60	< 60 ≥ 45	< 45 >40	< 40				
	in a Course	(90 -10						≥40	(0.00)				
	(11)			in a Course		(60- 69)	(45 - 59)	(40 - 44)	(0 - 39)				
18OB6.2	his /her r shall be ir	eappearance dicated in ation of SG	shall be av the grade ca		numbe	er of atte	empts take	n to clear	Course/s				
							_						
	I ne follo	wing expres	ssions shall	be used to	compu	ite the S	emester G	rade Poin	t				
	Average	(SGPA) and	d Cumulativ	ve Grade Po	int Av	erage (C	CGPA) res	spectively	•				
	7	"[Course Cr	redits × Gr	ade Points	fora	II the C	nurces in	that Come					
No.	$SGPA = \frac{1}{2}$	$SGPA = \frac{\sum [Course\ Credits\ \times\ Grade\ Points]\ for\ all\ the\ Courses\ in\ that\ Semester}{\sum [Course\ Credits\]\ for\ all\ the\ Courses\ in\ that\ Semester}$											
Mell		Σ [Course Creaits] for all the Courses in that Semester											
A JULY		$\sum [Course\ Credits\ imes\ Grade\ Points]\ for\ all\ Courses\ excluding$											
Paris Cip.	4	those with F grades until that Semester											
90,00	CGPA = -												
11.				lits] for all									
		ι	nose with i	F grades un	tu tna	it semes	iter						
A de la	The SGPA cards.	and CGPA	shall be ro	ounded off to	2 dec	imal poi	nts and re	ported in t	he grade				
	(a) SGPA	and CGPA	Calculation	ıs: An Illust	rative	Example	e for one a	cademic y	ear				
	ដូក្ខ		10										
		_	.≝	्र भ	de	nts P)	P) ts						
	S P ::	Course	' 5	rad	rad par	Grade Points (GP)		SGPA, CGPA					
	emest Odd ven:	Course Code	redi	Grac	C)	<u>ි</u> ල	Poir C.	SGPA,	CGPA				
	Semester (Odd :I, Even: II)		Credits	Grade	Gra	Poi G	Credit Points (CrP)	SGPA,	CGPA				
	Semest (Odd Even:		5:0:0 = 5	Grae				SGPA,	ССРА				
		Code	5:0:0 = 5	В		8	5x8=40	_					
	I	Code XX101 XX102	5:0:0 = 5 3:2:0 = 5	B Absent(F)		8 0	5x8=40 5x0=00	SGPA,					
	I	Code XX101	5:0:0 = 5	В		8	5x8=40	SGPA =	117				

		Eff	ective fro	m the Acad	emic \	Year	2018 - 19	9				
		XX105	4:1:0 =				6	5x6=30				
	I	XX106	5:0:0 =				4	5x4=20				
	Total 25(18*) Total 117 (18*): Total credits of the semester excluding the credits of the courses under F grade.											
	(18*): Total	credits of	the sem	ester exclu	lding	the	credits of	of the cour	ses unde	r F grade.		
1	consideration	Considered for the calculation of CGPA of the two consecutive semesters under consideration.										
	II	XX107	3:1:1=	5 C			7	5x7=35				
	II :	XX108	4:0:0=	4 B			8	4x8=32	CCDA	201		
	II Z	XX109	3:0:0=	3 D			6	3x6=18	SGPA	$={32}$		
	II	XX110	4:1:0=	5 E			4	5x4=20	1	= 6.28		
	II	X111	2:1:1=	1 A			9	4x9=27				
	II 2	XX112	2:0:0=2	2 F			0	2x0=00	CGPA			
	II 2	X113	0:2:0=2	2 B			8	2x8=16] _ (113	7 + 201)		
	I semester								18	3 + 30		
		XX102	3:2:0=				6	5x6=30	$=\frac{318}{48}=$	6.63		
	I	XX104	0:1:1=2				7	2x7=14		j		
		Total	32 (30*	<u>/ </u>			Total	201				
	(30*): Total	credits of	the sem	ester exclu	ding	the	credits o	of the cours	ses under	F grade.		
	Considered consideration	for the c	calculatio	n of CGI	PA o	f th	e two	consecutive	semeste	ers under		
	(b) CGPA Ca		of the D	POGROW M	. 4	Yllaro	tuatina I	71-				
ا ا	Semester	I	II	III	IV		V	VI	VII	VIII		
1 Iniver	Credits of the	- L	20	24	24	_	25	24	20	18		
All cal de.	semester				_	·	20		20	10		
P. Gode O.	SGPA	4.68	6.28	9.20	6.8	6	8.18	7.73	9.18	9.40		
Child. 3	ΣCrP	117	201	22	16	\rightarrow	204	185	184	169		
CA	CGPA =	[117 + 2]	01 + 220	+ 165 + 20)4 + 1	.85 +			45 l			
STRUMENT SOUTH	CGPA =			175				= 17		26		
18OB6.3	Grade Card:	Based or	the secu	red letter	grades	s, gra	ade poin	ts. SGPA a	nd CGPA	\ a grade		
	card for each	semester	on the secured letter grades, grade points, SGPA and CGPA, a grade ter and a consolidated grade card indicating the performance in all									
	semesters sha	ll be issue	d.									
18OB7.0	Conversions	of CGPA	into Per	centage of	mark	s ai	nd Class	Equivalen	ce			
18OB7.1	Formula for th	e convers	ion of Co	GPA into p	ercent	age (of marks					
	Percentage of	marks sec	ured, P =	ed, $P = [CGPA Earned - 0.75] \times 10$								
	Illustration for			10								
	P = [CGPA Ea = 74.5 %	ii iieu 8.20	ı - 0./3]x	10								
18OB7.2	Class Equiva	lence:										
	Subsequent to		ersion of	final CGPA	. afte	r suc	ccessful d	completion	of the Pro	ogramme		
	into percentag	e of mark	s (P), a g	graduating:	studer	nt is	reckoned	d to have pa	issed in	Siamino,		
	(i) First Class	with Disti	nction (F	CD) if $P \ge$	70%			-				
	(ii) First Class				ınd							
18OB8.0	(iii) Second C				on En	ad E			••	CID 1		
10000.0	Continuous I SEE Marks	mernar r		n, semest	er ili	Ia E	vaiuatio	n and M	inimum	CIE and		
18OB8.1	Continuous I											
	(a) For Vya	vaharika	Kannada	(Balake	Kan	nada)/Aadalit	ha Kanna	da (Sam	skruthika		
	Kannada) the	maximum	CIE ma	rks shall be	100.	For	the awar	d of credit,	the minii	num CIE		
	marks to be se	cured sha	11 be 40 %	of the ma	xımu	m ma	arks i.e.,	40 marks.	1	111 100		
	(b) For Projec For the award	l of cred	asc~i an∈ it. the m	inimum C	i semi IF m	ınar t arke	ine maxi:	mum CIE n	narks sha Lbe 50 :	II be 100.		
,	maximum ma	ks i.e 50	marks.	minum C.	1116	W1 1/2	10 06 86	curcu shal	1 06 20 .	of the		
- CV		,										

- (c) For Practical/ Mini-project/Internship/Project work—Phase 2 the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 50 % of the maximum marks i.e., 20 marks.
- (d) For all other theory Courses of the Programme, the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 16 marks.
- (f) For Additional Mathematics I and II (to be completed by diploma lateral entry students) the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be 40 % of the maximum marks i.e., 16 marks.
- (g) For Engineering Graphics and Elements of Civil Engineering and Mechanics (of First Year Engineering and to be completed by B.Sc graduates under lateral entry) the maximum CIE marks shall be 40. To appear for the SEE, the minimum CIE marks to be secured shall be respectively 50 % and 40 % of the maximum marks i.e., 20 and 16 marks.

18OB8.2

Continuous Internal Evaluation Procedure: [To be read along with 18 OB 8.1 and 8.3]

- (a) Theory Courses:
- (i) CIE Marks in each theory Course [including 'Technical English I and II', 'Constitution of India, Professional Ethics and Cyber Law', 'Environmental Studies', 'Additional Mathematics I and II'], 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 Courses 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 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 Revised Bloom's Taxonomy.
- (iv) Final CIE marks awarded shall be the sum of 180B8.2 (a) (ii) and (iii) for a maximum of 40 marks.
- (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) Engineering Graphics/ Drawing/Field work Courses:

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

- (i) Classwork for 24 marks (sketching and Computer Aided Engineering Drawing).
- (ii) 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).
- (iii) Final CIE marks awarded for Engineering Graphics shall be the sum of 18OB8.2 (b) (i) and (ii) for a maximum of 40 marks.
- (iv) 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.
- (v) 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:

E S RAG BEST OF

	Effective from the Academic Year 2018 – 19
	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 (Balake Kannada)/Aadalitha Kannada (Samskruthika
	Kannada)
	(i) CIE Marks in Vyavaharika Kannada (Balake Kannada)/Aadalitha Kannada
5	(Samskruthika Kannada) shall be the sum of marks prescribed for tests and assignments.
	Marks prescribed for tests shall be 75 and that for the assignments shall 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 assented beauty at the control of the contr
	(iii) The remaining 25 marks shall be awarded based on the evaluation of assignments/oral
l . 🔏	discussions/ quizzes that supports communication skills.
Mell	(iv) Final marks awarded shall be the sum of 18OB8.2 (h) (ii) and (iii) for a maximum of
A JUNE	100 marks.
Br. 103, 18.	(v) Students shall write the tests in Blue Books and complete the exercises/activates/
3 9000	questions given in the University Kannada textbook. These shall be preserved by the
All III	Principal/ Head of the Department for at least six months after the announcement of
C.A.	University results and shall be made available for verification at the direction of the
Stand of the standard of the s	Registrar (Evaluation).
18OB8.3	(a) The CIE marks in the case of Internship/Technical Seminar/Mini-Project and Project
1	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.
	(b) A committee constituted by the Head of the Department of Humanities and Social
	Science shall inspect and authenticate the award the CIE marks for the Course Vyavaharika
	Kannada (Balake Kannada)/Aadalitha Kannada (Samskruthika Kannada). The committee
1	shall consist of two senior feaulty members of the Department and the senior
	shall consist of two senior faculty members of the Department and the senior most acting as the Chairperson.
18OB8.4	
10000.4	(i) Students satisfying the attendance requirement but failing to secure the minimum
501	percentage of CIE marks, in any Course/s, shall not be eligible for the SEE conducted by
1	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
1	semester and backlog Course/s if any.
	(ii) Students who have satisfied the attendance requirement but not the CIE requirements
	shall be 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.
	(iii) Each appearance to SEE to complete a course shall be treated as an attempt.
18OB8.5	
10000.5	CIE marks of those students, who come under 18OB8.4, shall also be sent to the Registrar
	(Evaluation) along with other course CIE Marks.

	Effective from the Academic Year 2018 – 19
18OB8.6	(i) 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.
	(ii) 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 (hardcopy) shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and Principal.
18OB8.7	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.
18OB8.8	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.
180B8.9	Semester End Examination Marks and Passing standards (a) University examination for all Courses under SEE shall be conducted for a maximum of 100 Marks. The marks secured by the students for 100 marks shall be proportionately reduced to a maximum of 60 marks to add the same with the CIE marks for the award of letter grade. (b) The University examinations for all the Programmes of study shall be conducted at the end of each semester for all the eight semesters. (c) Students having no backlog course/s, may not have more than one examination on the same day. However, students having backlog course/s may face a situation where they may have (i) Two examinations scheduled at the same time of the day, (ii) To take two examinations on the same day, one during the morning session and the other in the afternoon session, and (iii) Examinations on consecutive days. As changing the examination dates is not an option, the examination time table shall not be modified/ altered/ adjusted in any of the above three cases. In the first case, the students shall select any one of the clashing courses and in second and third cases, the students shall manage the examinations as per their decision. (d) The pattern of the SEE question paper for Courses Technical English I and II, Constitution of India, Professional Ethics and Cyber Law, and Environmental Studies shall be objective type [Multiple Choice Questions (MCQ)]. (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 Course maximum marks, i.e., the sum of the CIE and SEE marks prescribed for the Course maximum marks prescribed for the University examination and in total 40 % of the Course maximum marks prescribed for the University examination and in total 40 % of the Course maximum marks prescribed for the University examination. (h.e) Is had guilty of examination malpractice and for any other reasons and declared the performance of any Course/s null and vo

	100-01	Effective from the Academic Tear 2016 - 19
	18OB8.10	Students who pass a Course of a semester as per 18OB8.9 (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 academic Programme,
		subject to the provision 18OB1.4, shall be allowed to appear for only SEE of Course/s to
		make up the deficiency in CGPA.
i	18OB8.11	A student may, at his/her desire, can reject the total performance of a semester (including
	10000.11	CIE marks) or reject only the result of higher performance of a semester (including
		CIE marks) or reject only the result of his/her performance in University examinations of a
		semester. The rejection is permitted only once during the entire Programme of study.
	18OB8.12	Students who desire to reject the SEE results of a competer shall reject the total of
	10000.12	Students who desire to reject the SEE results of a semester shall reject the total performance
		(irrespective of the earned Course grades) in all the Courses of the semester either rejecting
		or retaining the CIE marks. However, rejection of the performance of VIII semester project
		shall not be permitted.
		(i) Students, who desire to reject the total SEE performance of an odd or even semester
		including CIE marks, have to repeat that odd or even semester of the prevailing scheme by
53		taking readmission during the subsequent academic year/s. They shall also be governed by
		18OB12.1, 12.2 and 1.4.
		(ii) If the rejection of SEE results excluding CIE marks is of odd semester, students shall be
8		allowed to take admission to the immediate next even semester.
		(iii) If the rejection of SEE results excluding CIE marks is of even semester, then students
		shall not be allowed to take admission to the next odd semester as per 18OB10.3. In such
		cases, students shall take admission to the next odd semester of the prevailing scheme
		during the subsequent academic year/s, after obtaining the eligibility to move to higher
		semester. They shall also be governed by 18OB12.1, 12.2 and 1.4.
		(iv) Readmission to add/even semester as non 19009 12 (i) and (iii) aloult at
	RAN SPOTA	(iv) Readmission to odd/even semester as per 180B8.12 (i) and (iii) shall not be considered
		as fresh admission and therefore students shall continue to have the same University Seat
0	· Idial	Number, which was allotted earlier. The maximum duration of the Programme (as per
	A. 10. 140	18OB1.4) shall be counted with reference to old University Seat Number.
é	In Call O.	(v) Applications for rejection and approval to reappear for University examinations shall be
	We Par	sent to the Registrar (Evaluation) through the Principal of the College within 30 days from
9	A)	the date of announcement of the results. Late submission of applications shall not be
3	io.	accepted for any reasons.
		(vi) 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.
	18OB8.13	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 and Honours Degree.
	1900	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
	23	of condonation of 10% of the attendance by the Vice-Chancellor on the specific
1		recommendations of the Principal of the college where the candidate is studying,
1		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 documents for condoning the shortage of attendance
		shall be submitted along with the recommendations.
1	18OB9.2	(a) The basis for the calculation of attendance shall be the assist asset in the
	10007.2	(a) The basis for the calculation of attendance shall be the period prescribed by the University by its calendar of events and as notified by the Parioteca (Furbosis) of
		University by its calendar of events and as notified by the Registrar (Evaluation) from time
		to time.
		(b) In case of late admissions, approved by competent authority (DTE/VTU), to I semester/
		III semester (lateral entry scheme) of day college/III semester (lateral entry scheme) of
		Engineering Programme conducted during evening, the attendance shall be reckoned from
L		the date of admission to the Programme.

	Effective from the Academic Year 2018 – 19
/gua atte moi	e Course Instructor/ Mentor/College shall inform the students as well as their parents ardians about the attendance status periodically. Students who are facing the shortage of endance shall be mentored to make up the shortage. Principals shall also notify every nth, the list of candidates who are under short of attendance.
incl be e peri repe	andidate, who does not satisfy the attendance requirement (in one or more Courses and luding the Courses Additional Mathematics I and II) as mentioned in 18OB 9.1 shall not eligible to appear for the Semester End Examinations of that semester and shall not be mitted to take admission to next higher semester. The candidate shall be required to eat that semester during the subsequent year.
18OB10.0 Ver	tical Progression (Promotion/ Eligibility to higher semesters)
180B10.1 The	ere shall be no restriction for promotion from an odd semester to the next even semester,
	vided the student has fulfilled the attendance requirement.
(i) H (ii) requ	ng with the reasons specified at 18OB8.9 (h), a student shall be declared fail if he/she has not satisfied the CIE requirements of any Course/s. Has not registered for the SEE even after satisfying the attendance and CIE uirements.
(a) S Pros (a.1) be e (a.2) four (B)	Vertical Progression in case of students admitted to First year: Students having not more than four F grades in the two semesters of first year of the gramme shall be eligible to move to second year.) Students having not more than four F grades in the four semesters of I and II year shall eligible to move to III year. E) Students who have earned all the prescribed credits of I year, and having not more than r F grades in the four semesters of II and III year shall be eligible to move to IV year. Vertical Progression in case of Diploma students admitted to Second year (lateral)
(a) Add elig (a.) Add elig (b.) Add Exa sem (b.) Of the control end (a.) Eng	Students having not more than four F grades (excluding the Fail or pass status of ditional Mathematics I and II) in the two semesters of II year of the Programme shall be gible to move to III Year. 1) Students having not more than four F grades (excluding the Fail or pass status of ditional Mathematics I and II, if any) in the four semesters of II and III year shall be gible to move to IV year. The mandatory non – credit Courses Additional Mathematics I and II prescribed at III IV semesters respectively, to lateral entry Diploma holders admitted to III semester of E./B. Tech. Programmes shall attend the classes during the respective semesters to satisfy indance and CIE requirements and to appear for the University examinations. 1) In case, any student fails to satisfy the attendance requirement of the Courses ditional Mathematics I and II, he/she shall not be eligible to appear for the Semester Endominations of that semester and shall not be permitted to take admission to next higher interester. The candidate shall be required to repeat that semester during the subsequent year. 2) Students who have satisfied the attendance requirement but not the CIE requirements the Courses Additional Mathematics I and II shall be permitted to register afresh and ear for SEE after satisfying the CIE requirements in the same Course/s (with or without sfying the attendance requirement) when offered during subsequent semester/s. Completion of Additional Mathematics I and II shall be mandatory for the award of ree. Vertical Progression in case of B.Sc students admitted to Second year (lateral try): Students having not more than four F grades (excluding the Fail or pass status of timeering Graphics and Elements of Civil Engineering and Mechanics of First Year timeering Graphics and Elements of Civil Engineering and Mechanics of First Year timeering Graphics and Elements of Civil Engineering and Mechanics of First Year timeering Graphics and Elements of Civil Engineering and Mechanics of First Year timeering Graphics and Eleme
Eng	gineering Programme, if any) in the four semesters of II and III year shall be eligible to we to IV year.
Add elig (a. Add elig (b) and B.E atter (b. Add Exa sem (b. of thapper satis (c) (degrated and elig (c) (degrated	Students having not more than four F grades (excluding the Fail or pass status ditional Mathematics I and II) in the two semesters of II year of the Programme shall gible to move to III Year. 1) Students having not more than four F grades (excluding the Fail or pass status ditional Mathematics I and II, if any) in the four semesters of II and III year shall gible to move to IV year. The mandatory non – credit Courses Additional Mathematics I and II prescribed at IV semesters respectively, to lateral entry Diploma holders admitted to III semester L/B. Tech. Programmes shall attend the classes during the respective semesters to satindance and CIE requirements and to appear for the University examinations. 1) In case, any student fails to satisfy the attendance requirement of the Courditional Mathematics I and II, he/she shall not be eligible to appear for the Semester Euminations of that semester and shall not be permitted to take admission to next high easter. The candidate shall be required to repeat that semester during the subsequent yet. 2) Students who have satisfied the attendance requirement but not the CIE requirement. He Courses Additional Mathematics I and II shall be permitted to register afresh a ear for SEE after satisfying the CIE requirements in the same Course/s (with or withersfying the attendance requirement) when offered during subsequent semester/s. Completion of Additional Mathematics I and II shall be mandatory for the award ree. Vertical Progression in case of B.Sc students admitted to Second year (latery): Students having not more than four F grades (excluding the Fail or pass status genering Graphics and Elements of Civil Engineering and Mechanics of First Yestineering Graphics and Elements of Civil Engineering and Mechanics of First Yestineering Graphics and Elements of Civil Engineering and Mechanics of First Yestineering Graphics and Elements of Civil Engineering and Mechanics of First Yestineering Programme, if any) in the four semesters of II and III year shall be eligible

- (b) The prescribed mandatory non credit Courses Engineering Graphics and Elements of Civil Engineering and Mechanics of First Year Engineering Programme to lateral entry B.Sc. holders admitted to III semester of B.E./B.Tech. Programmes, shall attend the classes during the respective semesters to complete CIE and attendance requirements and to appear for the University examinations.
- (b.1) In case, any student fails to satisfy the attendance requirement of the above said Courses, he/she shall not be eligible to appear for the Semester End Examinations 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.
- (b.2) Students who have satisfied the attendance requirement but not the CIE requirements of the above said Courses, shall be 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.
- (c) Completion of Engineering Graphics and Elements of Civil Engineering and Mechanics shall be mandatory for the award of degree.

The Principal of each college shall make suitable arrangements in the timetable to facilitate the B.Sc students to attend the above mentioned courses to satisfy the CIE and attendance requirements and to appear for the University examinations.

18OB11.0

Award of Degree

18OB11.1

1. B.E./B.Tech. degree

- (a) Students shall be declared to have completed the Programme of B.E. / B.Tech. degree and is eligible for the award of degree, provided the students have undergone the stipulated Course work of all the semesters under the Scheme of Teaching and Examinations and has earned the prescribed number of credits as per the provision 18OB1.5. [To be read along with 18 OB 12.1 and 12.2]
- (b) For the award of degree, a CGPA \geq 5.00 at the end of Programme shall be mandatory. [To be read with 18OB11.2 (1)]
- (c) Completion of Additional Mathematics I and II, shall be mandatory for the award of degree to lateral entry diploma students.
- (d) Completion of Engineering Graphics and Elements of Civil Engineering and Mechanics of First Year Engineering Programme shall be mandatory for the award of degree to lateral entry B.Sc graduates.
- (e)(i) 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 through AICTE Activity Point Programme for the award of degree. Students transferred from other Universities/ Autonomous colleges under VTU 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.
- (ii) Activity Points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.

In case students fail to earn the prescribed activity Points before the commencement of 8th semester examinations, Eighth semester Grade Card shall be issued only after earning the required activity Points. Students shall be admitted for the award of degree only after the release of the Eighth semester Grade Card.

2. B.E./B.Tech. (Honours) degree

- (a) A student shall be declared to have completed the Programme of B.E. / B.Tech. degree and shall be eligible to get undergraduate BE/B.Tech degree with Honours, provided.
- (a.1) The student has undergone the stipulated Course work of all the semesters under the same Scheme of Teaching and Examinations and has earned the prescribed number of credits as per the provision 18 OB1.5 (a) and (b).
- (a.2) Has earned additional 20 or more credits through University approved online Courses.
- (a.3) Satisfies the Regulations Governing the award of Honours at B.E./B.Tech. Degree Programmes.

Es State de la constitución de l

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 (1) Noncompliance of CGPA ≥5.00 at the end of the Programme 18OB11.2 (a) Students who have completed all the courses of the Programme but not having a CGPA ≥5.00 at the end of the Programme, shall not be eligible for the award of the degree. (b) In the cases of 18OB11.2 (1) (a), students shall be permitted to appear again for SEE in course/s [other than Internship, Technical seminar, Project (Mini and Main), and Laboratories] of any Semester/s without the rejection of CIE marks for any number of times, subject to the provision of maximum duration of the Programme to make up the CGPA equal to or greater than 5.00 for the award of the Degree. (c) In case, the students earn improved grade/s in all the reappeared course/s, the CGPA shall be calculated considering the improved grade/s. If it is ≥5.00, the students shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid in 18OB11.2(1) (b). (d) In case, the students earn improved grade/s in some course/s and the same or lesser than the previously earned pass grade/s in the other reappeared course/s, the CGPA shall be calculated considering the improved grade/s and the pass grades earned before the reappearance. If it is ≥5.00, the students shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid in 18OB11.2 (1) (b). (e) In case, the students earn improved grade/s in some courses and fail in the other reappeared course/s, the CGPA shall be calculated by considering the improved grade/s and the previously earned pass grade/s of the reappeared course/s in which the students have failed. If it is ≥5.00, the students shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid in 18OB11.2 (1) (b). (f) In case, the students fail (i.e., earns F grade) in all the reappeared course/s, pass grade/s of the course/s earned by the students before reappearance shall be retained. In such cases, the students shall follow the procedure laid in 18OB11.2 (1) (b). (g) Students shall obtain written permission from the Registrar (Evaluation) to reappear in SEE to make up the CGPA equal to or greater than 5.00. (2) Noncompliance of Mini-project (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 examinations after satisfying the Mini-project requirements. Also, mini-project shall be considered for eligibility to VII semester. (3) Noncompliance of Internship (a) All the students of B.E./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 takeup/complete the internship shall be declared fail in that Course and shall have to complete the same during subsequent University examinations after satisfy the internship

18OB12.0 Temporary Discontinuation/Break in the Programme/Change in Scheme of Study

(a) If a candidate, for any reason, temporarily discontinues the Programme or take a break from the Programme during any semester intentionally, he/she shall be permitted to continue the Programme by registering to the same semester of the prevailing scheme. The candidate from that semester shall attend and complete all the remaining Course works of all the semesters, adhering to the regulations of the prevailing scheme and subject to the provision 18OB1.4. Also the Candidates may have to complete additional Course/s, if any, as per the decision of concerned Board of Studies 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. Based on the individual cases, they shall be 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 / Honours

18OB12.1

	Effective from the Academic Year 2018 – 19
	(b) Candidates who take admission to any semester of the existing scheme from another
	scheme, as a repeater/fresher because of various reasons, 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 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. Based on the individual cases, they 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/Honours Degree.
	(c) The credits to be earned by the candidates under 18OB12.1 (a) and (b) and 18OB14.1(b)
	and (c) shall be decided by the University along with the additional Courses to the
	and (c) shall be decided by the University along with the additional Course/s to be
180B12.2	completed.
100D12,2	(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 constituent/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.
	(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 or courses not studied earlier
	and make up the credits earned equal to or greater than the required for the award of degree.
	(iii) If the earned Programme credits are greater than the prescribed, the CGPA shall be
	proportionately reduced to the prescribed Programme credits.
18OB13.0	Award of Prizes, Medals and Ranks
18OB13.1	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.
180B13.2	1) For award of rank in a Specialization of Bachelor of Engineering/ Technology, the CGPA
	secured by the students from III to VIII semester shall be considered.
	(2) The additional credits earned for the award of Honours degree shall not have any bearing
	for the Rank declaration.
	(3) A student shall be eligible for a rank at the time of award of degree of Bachelor
, age	of Engineering/ Technology, provided that the student,
Mill	(a) (i) Has passed all the Courses of I to VIII semester in first attempt only in case of
TRAN ISO DIE.	Candidates admitted to I year.
21,00,00	(ii) Has passed all the Courses (including Additional Mathematics I and II in case Diploma
Hug. 23	students/ Engineering Graphics and Elements of Civil Engineering and Mechanics in case
	of B Sc graduates under lateral entry) of III to VIII gamester in first attended in case
Me	of B.Sc graduates under lateral entry) of III to VIII semester in first attempt only in case of Candidates admitted under lateral entry scheme.
	(b) Is not a repeater in any semester because of rejection of result of a semester/ shortage of attendance etc.
	(c) Has completed all the Courses/semesters of the same Scheme of Teaching and
	Examinations without any break/discontinuity.
	(d) Has completed all the semesters (I to VIII/III to VIII) in VTU constituent college or in
	any VTU affiliated non-autonomous college.
	(e) Has not been transferred from any autonomous institution affiliated to VTU or from any
	other University.
	(4) 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.
	(5) For award of ranks in a Specialization, a minimum of 10 students should have
	appeared in the VIII semester examination.
	Illustration:
	(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.

4	Effective from the Academic Year 2018 – 19
	(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.
	(6) In case of fractional number of ranks, it is rounded to higher integer only when the first
45	decimal place is greater than or equal to 5.
18OB13.3	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.
18OB14.0	Transfer of students
18OB14.1	(a) (i) Transfer of students from one VTU affiliated non – autonomous college to another
	VTU non – autonomous affiliated college shall be permitted only at the beginning of third,
3	fifth and seventh semesters, subject to availability of seats within the permitted intake in
	respective Colleges with the approval of the Registrar, VTU subject to the provision
	18OB10.3.
	(ii) The students seeking transfer as per 18OB14.1 (a) (i) shall have to obtain No Objection
,	certificate for admission from the University and from both the colleges before the
	commencement of term as notified by VTU.
	(iii) Complete the Programme subject to the provision 18OB1.4.
	(b) Transfer of students from an autonomous to non – autonomous college, affiliated to
	VTU is permitted with the following conditions.
20	(i) Transfer shall only be at the beginning of III and V semester B.E./B.Tech. Programme.
	(ii) No transfer shall be permitted to VII semester B.E./B.Tech. Programme.
	(iii) Students who are scaling transfer must have pessed in all the Course of the service.
	(iii) Students who are seeking transfer must have passed in all the Courses of the previous semesters.
	(iv) Obtain No Objection certificate for admission from the University and from both the
	colleges before commencement of term as notified by VTU.
	(v) Complete additional Course/s, if any, as per the decision of concerned Board of Studies 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
· weits	for promotion, calculation of SGPA and CGPA. However, a pass in the additional Courses,
A MAIN	if any, is mandatory before the completion of Degree.
Barries 10.	(vi) Earn the credits decided by the University as per 18OB12.2.
RAR BAR BAR ON SON	(vi) Complete the Programme subject to the provision 180B1.4.
William .	(vii) Complete the Programme subject to the provision 180B1.4.
CA	(c) In the case of students seeking transfer 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. No transfer shall be
	permitted to VII semester B.E./B.Tech. Programme of VTU from any other Universities.
	The students seeking admission from other Universities to VTU shall have to
	(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.
1	(ii) Produce No Objection certificate for admission from both the colleges before the
	commencement of term as notified by VTU.
	(iii) Complete additional Course/s, if any, as per the decision of concerned Board of
	Studies on establishing equivalence between two schemes. A Grade card shall be issued
2	to that effect. Additional Course/s shall not be considered for the eligibility criteria
	prescribed for promotion, calculation of SGPA and CGPA. However, a pass in the
	additional Courses, if any, is mandatory before the completion of Degree.
	(iv) Earn the credits as decided by the University as per 18OB12.2.
1000111	(v) Complete the Programme subject to the provision 18OB1.4.
18OB14.2	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 appropriate authorities.

1000110	Directive from the Academic 1 car 2010 - 19
18OB14.3	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).
18OB15.0	Applicability and Power to Modify
18OB15.1	The regulations governing the Degree of Bachelor of Engineering/Technology of Visvesvaraya Technological University shall be a binding on all concerned.
18OB15.2	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
3	amend, modify or repeal any or all of the above.

Sacjon.

REGISTRAR
Visvesvaraya Technological University,
BELAGAVI - 590 018.

Sri Shridevi Charitable Trust (R.)

SHRIDEVI INSTITUTE OF ENGINEERING & TECHNOLOGY

Sira Road, Tumkur - 572 106, Karnataka, India.

(Approved by AICTE, New Delhi, Recognised by Govt. of Karnataka and Affiliated to Visvesvaraya Technological University, Belagavi)

Criteria 1.1

Curriculum Planning and Implementation

UNIVERSITY REGULATIONS 2021



"ಜ್ಜಾನ ಸಂಗಮ", ಬೆಳಗಾವಿ-೫೯೦೦೧೮, ಕರ್ನಾಟಕ, ಭಾರತ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act 1994) "Jnana Sangama" Belagavi 500018, Karnataka, India Phone: (0831) 2498100, - Fax: (0831) 2405467, Website: vtu.ac.in

Dr. A. S. Deshpandeb.E., M.Tech., Ph.D.

Registrar

Phone: (0831) 2498100

Fax: (0831) 2405467

Ref: VTU/BGM/BOS/S02/2021-22/515

Date:

NOTIFICATION

Subject:

Regulation Governing B.E./B.Tech., programs under CBCS fro 111

academic year 2021-22 regarding...

Reference

1. EC Proceeding no. 2.2.1 of 164^{th} meeting held on $09.03.20 \ge 2$

2. EC Proceeding no. 2.2.1 of 165^{th} meeting held on 26.04.2022

The regulations governing B.E./B.Tech., programs Under Outcome Based Education (OBE) and Choice Based Credit System (CBCS) effective from the Academic Year 2021-22 are here by notified. These regulations are applicable to all the students who are admitted to B.E./B.Tech. programs from the academic year 2021-22 for regular students and for lateral students admitting in the year 2022-23 and onwards.

All the Principals of Constituent /Affiliated Autonomous / non-Autonomous colleges coming under the ambit of University are hereby informed to bring the content of this notification to the notice of all concerned.

> By Order, Sd/-REGISTRAR

To,

- 1. All the Principals of Constituent /Affiliated Autonomous / non-Autonomous colleges coming under the ambit of University
- 2. The Chairperson, Department of Mechanical Engineering/Computer Science and Engineering of University

Copy to:

- 1. Hon'ble Vice-Chancellor through the Secretary to VC, VTU, Belagavi for kind information
- The Registrar (Eval.), VTU, Belagavi for kind information & necessary action.
- The I/c Regional Directors of all the Regional Offices of VTU for information and circulate to colleges among your respective region.
- 4. The Director (1/c) ITI SMU VTU Belagavi for information and request to make arrangement for uploading on VTU web portal.
- The Special Officers of Academic Section, VTU, Belagavi for information

1/1



Regulations Governing the Degree of Bachelor of Engineering/Technology (B.E./B.Tech.) Effective from the Academic Year 2021-22

		INDEX SHEET	
Regulation Clause no	n •	Title	Page Numb
		Definitions of Keywords	01
210B1.0		Title and Credits of the Program of Study	06
	210B1.2	to the programs	06
	210B1.3	Definition of credits	
210B2.0		Academic Eligibility for admission	06
	210B2.1	Admission to 1st year	
	210B2.2	Admission to Lateral Entry Students	
	210B2.3	Qualification earned from foreign countries	
210B3.0		Minimum and Maximum Duration of the program	07
210B4.0		Courses and Course Registration	08
· · · · · · · · · · · · · · · · · · ·	210B4.1	Types of Courses	.00
	210B4.2	Course Registration	
210B5.0		Attendance Requirement	10
210B6.0		Internship	920/35/
210B7.0		Technical Seminar	11
210B8.0		Minim-Project and Project work	15
	210B8.1	Mini-Project	13
	210B8.2	Project work	
210B9.0		Continuous Internal Evaluation (CIE)	1.5
	210B9.1a	CIE Procedure	1,22
	210B9.9	Maximum and Minimum CIE and SEE marks	
	210B9.15	Moderation committee for CIE	
210B10.0		Semester End Examination (SEE) Marks and Passing Standards	27
	210B10.2	Rejection of Result	2.7
210B11.0		Multiple Entry and Exit Options	33
210B12.0		Grading	35
210B13.0		Computation of SGPA and CGPA	3 6
10B14.0	-	Vertical Progression	
10B15.0		Award of Degree	3 7
	210B15.1	B.E./B.Tech. Degree	41
	210B15.2	B.E./B.Tech.(Hons) Degree	





Regulations Governing the Degree of Bachelor of Engineering/Technology (B.E./B.Tech.) Effective from the Academic Year 2021-22

	210B15.3	B.E./B.Tech. with Minor Degree	
	210B15.4	Award of the Degree for an Extraordinary Student	
<u> </u>	210B15.5	Non-compliance of CGPA≥5.0 at the end of the program	
210B16.0		Award of Prizes, Medals, and Ranks	45
210B17.0		Change of College Regulations	46
210B18.0		Change of Branch Regulations	 46
210B19.0		Applicability and Power to Modify	46





Definitions of Keywords

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

- 1. Program: This is an educational program in a particular stream/ branch of Engineering/branch of specialization leading to the award of the Degree. It involves events/activities, comprising of lectures/tutorials/laboratory work/fieldwork/outreach activities/project work/vocational training/viva-voce/ seminars/ internship/assignments/ presentations/ self-study, etc., or a combination of some of these.
- 2. Semester: Refers to one of the two sessions of an academic year (vide: serial number 3), each session being of sixteen weeks' duration (with not less than 90 working days). The odd and even semesters shall be as per the University academic calendar.
- 3. Academic Year: Refers to two consecutive semesters (odd followed by an even) sessions, including intervening periods.
- 4. Course: Usually referred to as subject and is a component of a Program. All Courses may not carry the same weightage. Each Course will have course objectives and course outcomes. A Course may be designed to comprise lectures/ tutorials/ laboratory work/ fieldwork/ outreach activities/project work/ vocational training/ viva-voce/ seminars/ term papers/assignments/ presentations/ self-study components etc., or a combination of some of these.
- 5. Credit: Refers to a unit or weightage by which the Coursework is measured. It represents the number of hours of instructions prescribed per week. One credit is equivalent to one hour of lecture or two hours of laboratory/practical Courses/ tutorials/ fieldwork etc., per week.
- 6. Choice Based Credit System (CBCS): The education model refers to customizing the Coursework, through Core, Professional Elective, Open Electives, Skill-based ability Enhancement Courses, Non-Credit Mandatory Courses, and Internships to provide the necessary support for the students to achieve their goals.
- 7. Course Registration: Refers to formal registration to Courses of study in every semester by every student under the supervision of a Faculty Advisor (also called Mentor, Counsellor, Class teacher, etc.), in the Institution to maintain the proper record. Registration to the University portal is mandatory.

12

VTU, Belagavi

EL 'n on t



- 8. Course Evaluation: Represents the measurement of the impact of the teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Courses evaluation is done by adopting different methods—such as tests, quizzes, assignments, etc., during the teaching-learning period at the end—of some modules or chapters of syllabus contents and at the end of the semester. While the former part of the evaluation is called the Continuous Internal Evaluation (CIE) and the later—part of the evaluation is called Semester End Evaluation (SEE).
- 9. Continuous Internal Evaluation (CIE)(also known as formative assessment): Refers to the evaluation of students' performance in the course during the teaching-learning process. CIE shall be done by the faculty teaching course and evaluation components may include tests, assignments, group discussion, quizzes, course-specific projects, seminars, etc., conducted during the semester tenure with a weightage for different activities as specified by the University.
- 10. Semester End Examinations Evaluation (SEE) (also called summative assessment): Refers to the examinations conducted by the University covering the entire Course Syllabus. For this purpose, Syllabi shall be modularized, and SEE questions shall be set from each module as specified by the University.
- 11. First Attempt: Refers to some students who have studied in a current semester and have attended any one of the University examinations of that semester after satisfying attendance and CIE requirements of all the prescribed courses of that semester and registering for SEE. Such an attempt shall be considered as the first attempt. Even if students absent themselves for all the semester examinations after registering for SEE, such an attempt shall also be considered the first attempt.
- 12. Credit Representation: Refers to the Credit Values for different academic activities considered, as per Table-1. Credits for the seminar, project phases, project viva-voce and internship shall be as specified in the Scheme of Teaching and Examinations.



Table-1, Calculation of Credits

	Credit Va	alues	57 - S7 =	
Theory/Lectures (L) (hours/week/Semester)	Tutorials (T) (hours/week/Semester)	Laboratory/ Practical (P) (hours/week /Semester)	Credits (L:T:P)	Total Credits
4	0	0	4:0:0	4
3	0	2	3:0:1	4
2	2	2	2:1:1	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
0	0	6	0:0:3	3
2	0	0	2:0:0	2
1	0	0	1:0:0	1
0	2	0	0:1:0	
0	1	1	0:0.5:0.5	1
0	0	2	0:0:1	

NOTE: Activities like practical training, study tour, and participation in Guest lecturers do not carry Credits.

- 13. Non-Credit Mandatory Course (NCMC): In the case of non-credit mandatory courses, students shall attend the classes during the respective semesters to satisfy the attendance requirements and as well as CIE requirements. In case, any student fails to register for the said course/fails to secure the minimum 40% of the prescribed CIE marks, he/she shall be deemed to have not satisfied. In such a case, the student has to fulfill the requirements during subsequent semester/s to appear for CIE. These Courses shall not be considered for CGPA calculation and vertical progression, but completion of the courses shall be mandatory for the award of degree.
- 14. Letter Grade: Course Letter Grade (or simply letter grade or grade) is an index of performance of a student in a said course and refers to a qualitative measure of achievement of a student in each course, based on the percentage range of marks secured in CIE and SEE put together or CIE alone. Grades are denoted by letters O, A, B, C, D, E, and F. The rubrics attached to letter grades are as follows:
 - O Outstanding, A+ Excellent, A Very Good, B+- Good, B Above Average, C Average,

12

VTU, Belagavi

Page 3



- P- Pass and F Fail. If a student remains absent for SEE of any of the course/s, the letter grade assigned to that course shall be F. If a student is not eligible for appearing, SEE due to non-comply of any of the course/s then the letter grade assigned against that course shall be NE
- 15. Grade Point (GP): Refers to a numerical weightage allotted to each letter grade on a 1 O-point scale against a preconceived range of percentage of marks secured by students in a course as shown in Table 2.

Table 2, Letter Grade and corresponding Grade Points on a typical 10 - Point scale

	Letter Gra	de and co	rrespondir	ig Grade P	oints on a typ	ical 10 - P	oint scale	
Letter	0	A+	A	B+	В	С	P	F
Grade	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Patt
Grade Point	10	9	8	7	6	5	4	0
% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39

- 16. Passing Standards: Refers to passing a Course only when GP is greater than or equal to 04.
- 17. Credit Point: This is the product of GP and number of credits for a Course i.e., Credit points (CrP) = GP × Credits for the Course.
- 18. Semester Grade Point Average (SGPA): Refers to the measure of a student's academic performance in a semester. It is the weighted average or weighted mean of the grade points obtained by a student in the various courses of any semester. It results in a number that lies between 0 and 10.
- 19. Cumulative Grade Point Average (CGPA): This is a measure of the cumulative performance of a student of all semesters and is computed from the 2nd semester onwards. It is a measure of the overall cumulative academic performance of a student over the entire span of the academic program. CGPA is not an arithmetic mean a but weighted mean. It is also a number that lies between 0 and 10.
- 20. 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 shall have the Program details (Course code, title, number of credits, grades secured, number of attempts, and alternate course taken instead of successive failure after 4 attempts) along with the SGPA of that semester and CGPA (except for the first semester) earned till that semester.



- 21. Academic Bank of Credits (ABC): The Academic Bank of Credits (ABC), is a natio mal-level facility which will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the HEIs in the country with appropriate "credit transfer" mechanism.
- 22. Multiple Entry Multiple Exit: The multiple entries and exit points in the academic programs offered at Higher Education Institutions (HEIs) would remove rigid boundaries and create new possibilities for students. There are occasions when learners have to give up their education mid-way for various reasons. To facilitate flexible learning within the stipulated period (eight years for regular students and 06 years for lateral entry students), multiple exist and entry options are given to the needy students. The student can exit from the program only at the end of the even semester/s (2nd, 4th, and 6th semester) and the entry option is provided to the students at the beginning of the odd semester/s (3rd, 5th and 7th semester).

23. University: Visvesvaraya Technological University (VTU), Belagavi.





Nothern Art are pro-	l Credits of the Program of Study.
210B1.1	The Program of study shall be called the degree of Bachelor Engineering/Bachelor of Technology, abbreviated as B.E./B.Tech.
210B1.2	Prescribed Number of Credits for the Program
	 (a) The total number of credits to be earned by students admitted to the first semester of 04 years B.E./B.Tech., the program shall be 160. (b) The total number of credits to be earned by students admitted to the third semester of 04 years B.E./B.Tech., program under lateral entry scheme shall be 120.
	(c) A student shall be eligible to obtain an Undergraduate degree with Honours / Minors, if he/she earns minimum additional 18 credits, a specified by university norms from time to time regarding the earning of additional credits[To be read along with Regulations Governing the Award of Honors / Minors in R.F. (D.T.), R.F.
210B1.3	Award of Honors/ Minors in B.E./B.Tech., Degree Programs]. (a) Definition of Credits:
	1. 1-hour Lecture (L) per week per semester =1 Credit
	2. 2 hours Tutorial / (T)per week per semester =1 Credit
	 2 hours Practical/Laboratory/Drawing (P) per week per semester =1 Credit.
	 Four-credit theory courses shall be designed for 50 hours of the Teaching-Learning process.
	 Three-credit theory courses shall be designed for 40 hours of the Teaching-Learning process.
	6. Two-credit theory courses shall be designed for 25 hours of the Teaching-Learning process
	7. One credit theory course shall be designed for 15 hours of the Teaching-Learning process
Academic E	ligibility for Admission
10B2.1	Admission to 1st year: Eligibility for candidates who have Passed Second PUC or equivalent
	As notified by the Government of Karnataka from time to time Those students, who have passed a qualifying examination other than



	210B2.2	the PUC II examination of the Pre-University Education Board of Karnataka, have to obtain an eligibility certificate for seeking admission to 1st year B.E./B.Tech. Degree Program from Visves Varay Technological University, Belagavi. Admission to 2ndyear (Lateral Entry): Eligibility for candidates who have Passed a 3-years Diploma in Engineering and B.Sc. Degree I. As notified by the Government of Karnataka and university from time to time for admission to 3nd-semester B.E./B.Tech., degree program II. Those candidates who have completed Engineering Diploma from other than Karnataka state shall submit the Equivalence/ Eligibility Certificate issued from the Director of Technical Education, Karnataka.
	210B2.3	Qualification earned from foreign countries: With regard to the qualification earned from foreign countries, an equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.E./B.Tech. Programs. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.
210B3.0	Minimum:	and Maximum Duration of the Program
	210B3.1	Students admitted to first-semester B.E./B.Tech., shall complete the program within eight academic years from the year of the first admission, failing which they will not be eligible for the award of a degree Students admitted to third semester B.E./ B.Tech., under the lateral entry category shall complete the program within six academic years from the year of the first admission, failing which they will not be eligible for the award of degree.
		1 2



210B4.0	Courses and Course Registration					
	210B4.1	There shall be the following types of Courses:				
		(a) Humanities, Social Sciences, and Management Courses (HSMC) These are mandatory for all disciplines.				
		(b) Basic Science Courses (BSC): Physics, Chemistry, and Mathematics These are mandatory for all disciplines.				
		(c) Engineering Science Courses (ESC): Materials, Workshop, Drawing and Basics of Electrical/ Electronics/ Civil/ Mechanical/ Computer Engineering, etc. These are mandatory for all disciplines.				
		(d) Professional Core Courses (PCC): These are the professional Core Courses, relevant to the chosen specialization/ branch. The core courses shall be compulsorily studied by students and it is mandatory to complete them to fulfill the requirements of a Program.				
		(e) Professional Elective Courses (PEC): These are professional Electives, relevant to the chosen specialization/branch and can be chosen from the pool of courses. It shall be supportive to the discipline providing extended scope/enabling exposure to some other discipline /domain and nurturing student proficiency skills				
		(f) Open Elective Courses (OEC): These are the Elective Courses from other technical areas and/ or from emerging fields. Students of other departments shall opt for these courses to fulfilling of eligibility and prerequisite mentioned in the syllabus.				
		(g) Integrated Professional Core Courses (IPCC): It refers to Professional Theory Core Course Integrated with Practical of the same course. Credit for IPCC shall be 04 considering L: T: P as 3:0:1 or L:T:P as 2:1:1, (where L,T and P represents credits not hours per week)				
		(h) Project Work: Mini-project and Project work carried out at the parent Institution or any university / Government recognized organization without affecting the regular class work.				

12

VTU, Belagavi



	(i) Seminar: Each student has to present the seminar on specific top
	chosen from the relevant field /list provided by the departmen
	under the supervision of a faculty coordinator.
	(j) Internship (INT): The internship (a form of experimental learning
	program not only helps fresh pass-outs in gaining profession
	know-how but also benefits corporate sectors. The internship als
	enhances the employability skills of the student passing out from
	Technical Institutions
200	(k) Non-Credit Mandatory Courses (NCMC): These Courses are
	mandatory, without the benefit of a grade or credit, passing in each
	mandatory Course is required to qualify for the award of degree.
	(1) Ability Enhancement Courses (AEC): These courses are designed to
	help students to enhance their skills in communication, language
	and personality development etc. They also promote a deeper
	understanding of courses like social sciences, ethics, culture, human
	behavior human rights, and the law. Ability Enhancement Courses
	are based upon the content that leads to Knowledge enhancement.
	(m) Universal Human Values Courses (UHV): The courses which teach: a
	holistic perspective based on self-exploration about themselves
	(human being), family, society, and nature. Understanding (or
	developing clarity) of the harmony in the human being, family,
	society, and nature. These are mandatory for all disciplines
210B4.2	Course Registration:
	In order to maintain a proper academic record at the Institution, every
	student shall register for the Courses of a semester (Credit) under the
	f .
	in each semester with the University portal is mandatory.
	supervision of a Faculty Advisor (also called Mentor, Counselor, class teacher, etc.,) at the beginning of each semester. The registration of courses



	21084.3	The minimum number of students registered to any professional Elective Course/Open Elective Course /Ability Enhancement course (from 3rd semester onward) offered by the Departments shall not be less than ten in such cases. If the number of registrants for the elective course is less than 10, the college must seek permission from the Registrar (Evaluation) within 15 days from the date of commencement of the semester as per the academic calendar of the University, if that professional Elective Course/Open Elective Course/Ability Enhancement course is to be offered in that college.				
	21084.4	A student shall exercise the option in respect of a higher sernester professional Elective Course/Open Elective Course /Ability Enhancement course and register for the same at the end of the previous semester. However, the student may be permitted to opt for a change of Elective Course/s preferably within 15 days from the date of commencement of the semester as per the academic calendar of the University.				
210B5.0	Attendance Requirement					
	210B5.1	Every prescribed course shall be considered as a unit for the calculation of attendance. All students are required to attend all the lectures, tutorials, practicals, and other prescribed curricular and co-curricular activities, and thus the attendance is 100%. However, the candidate has to put in a minimum attendance of 85% in each course with a provision for condoning up to 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 NSS/NCC/Red cross/National level Republic Day and Independence Day Parade/participation in University/State/ National/ International levels ports and cultural activities, seminars, workshops, paper presentation, etc., of significant value. The supporting documents for condoning the shortage of attendance shall be submitted through the office of the Principal along with the recommendations to the office of the Registrar (Evaluation).				

9 -



	21085.3	(KEA/DTE/VTU), to I semester (for the regular scheme) and III semesters (for lateral entry scheme) of Engineering Program, the attendance shall be reckoned from the date of admission to the Program. The Course Instructor/ Mentor/Class-teacher or the College office shall inform the students as well as their parents /guardians about the attendance status every month. Students who are facing a shortage of attendance shall be mentored to make up for the shortage. The principal
		shall also notify every month, the list of candidates who are falling short of required attendance.
	21085.4	A student who does not satisfy the attendance requirement in one or more Courses (including bridge courses for lateral entry students) shall not be eligible to appear for the Semester End Examinations (SEE) of that course(s). The grade card for such courses shall be marked as NE (not eligible). The candidate shall be required to repeat that course/s whenever that course/s offered next.
	21085.5	If a student fails to satisfy the attendance requirement of the course/s of the semester, he/she will not be permitted to appear for SEE of that course/s. However, the student will be allowed to appear for the Semester End Examination (SEE) for other courses of the semester. The student will repeat the course/s in which he/she falls short of attendance only, whenever the course/s is offered next.
		These courses of shortage of attendance will not be considered for vertical progression.
210B6.0	Internship	
	210B6.1	Internship: The internship is an extended period of work experience undertaken by



university/Institute students looking to supplement their degree with professional development. The students are allowed to prepare themselves for the workplace and develop practical skills.

The Internship shall be completed during the period specified in the Scheme of Teaching and Examinations. There will be three internships:

1) Inter/Intra Institutional Internship: (In the case of the students admitted to 1st-year B.E./B.Tech. program) All the students admitted to engineering programs shall have to undergo a mandatory summer internship of 03 weeks during the intervening semester period of the II and III semesters. The internship shall include Inter / Intra Institutional activities (refer to Annexure-IV). CIE shall be carried out during the Internship period/III semester and prescribed marks shall be included in the IV semester grade cards.

Inter/Intra Institutional Internship: (In case of students admitted under Lateral Entry): All the students admitted to engineering programs under the lateral entry category shall have to undergo a mandatory internship of 03 weeks during the intervening semester period of the III and IV semesters. The internship shall include Inter / Intra Institutional activities (refer to Annexure-IV). CIE shall be carried out during the Internship period/IV semester and prescribed marks shall be included in the IV semester grade cards.

Inter /Intra Institutional Internship will have only CIE and no SEE.

2) Innovation/Societal/Entrepreneurship-based During the intervening period of IV and V semester the Internship of 04 weeks period shall carried out in industries /Govt. organization/NGO/MSME. Focus be may given Rural Internship/Innovative activities and Entrepreneurship (Social/Industrial). CIE shall be carried out during the Internship period/V semester and prescribed marks shall be included in the VI semester grade cards. Innovation/Societal/Entrepreneurship based, will have only CIE and no SEE.



3) Research Internship/Industry Internship of 24 weeks duration: At the beginning of the IV academic year, students can opt for VII semester course work or VII semester Internship depending on the opportunities available for enrolling to either Research Internship or Industry Internship. With reference to this, both VII and VIII serre esters shall be in progress simultaneously. Research Internship / Inclustry Internship shall be carried out at Industry / government organizations, non-governmental organizations (NGOs)/ Micro, Small & Medium Enterprises (MSME) /Research and development organizations/Organizations of National or international repute/Institution Research Centers / Innovation and Incubation Centres/Start-ups /entrepreneur cells. The institution shall encourage students to take up (i) interdisciplinary Research Internship or Industry internship and (ii) rural internship, a work-based activity carried out to learn practical experiences in rural areas, for the upliftment of living standards. In case students want to undergo an internship at his/her family business, he/she shall be permitted to provide; a declaration by a parent that is submitted directly to the Principal of the Institution. With the consent of the internal guide and Principal of the Institution, students shall be allowed to carry out the internship at their hometown (within or outside the state or abroad), provided favourable facilities are available for the internship and the student remains regularly in contact with the internal guide.

University shall not bear any cost involved in carrying out the internship by students. However, students can receive any financial assistance extended by the organization.

University Viva-Voce examination shall be conducted at the end of the internship period. Research Internship /Industry Internship shall be considered as head of passing and shall be considered for the award of the degree. Those who do not complete the internship shall be declared fail and shall have to complete it during subsequent University





examinations after stratifying the internship requirements cluring subsequent semesters.

Responsibilities of Department and Guides:

- 1. The Department/college shall nominate department coordinator /staff member/s to facilitate, guide, and supervise students under interraship.
- 2. The students shall report the progress of the internship to the Guide at regular intervals and seek his/her advice. The Guide shall maintain the progress record/diary of the candidates undergoing internship.
- After the completion of the Internship, students shall submit a report
 with a completion certificate to the Head of the Department with the
 approval of internal Guides.
- 4. There shall be 100 marks for CIE for Inter/Intra Institutional Internship and Innovation/Societal /Entrepreneurship based Internship. For Research /industry internship 100 marks for CIE and 100 marks for SEE. The minimum requirement of CIE and SEE marks shall be 40% and 35% of the maximum marks respectively. In total, the student has to secure 40% of the course maximum marks i.e., the sum of the CIE and SEE marks prescribed for the course.
- 5. The internal Guide and one senior faculty shall be the internal examiners for CIE Inter/Intra Institutional Internship and Innovation/Societal/Entrepreneurship based Internship.
- 6. For Research /Industry Internship, External Guide for the Internship shall be the external examiner for SEE. Examination for 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.
- 7. In case, the external Guide expresses his/her inability to conduct the Examination, the Principal /examination Chief Superintendent of the Institute appointed by the University shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide.

210B7.0 Technical Seminar

210B7.1 Technical Seminar: Technical Seminar is one of the heads of passing.



1	Topic of	i. Each student has to present the seminar on a specific topic chose n from
1		the relevant field /list provided by the department under the
		supervision of a faculty coordinator.
		ii. The Head of the Department/designated coordinator for technical
		seminar shall make arrangements for the conduct of seminars through a
		committee of faculty members of the Department. The committee
ľ		constituted for the purpose of the Head of the Department, shall award
		the CIE marks for the seminar. The committee shall consist of three
		senior faculty members of the Department and the senior-most among
		them is to act as the Chairperson. There is no SEE for the seminar.
210B8.0	210B8.1	Mini-Project: A Mini Project is a laboratory-oriented course that will
		provide a platform to students to enhance their practical knowledge and
		skills by the development of small systems/applications
		Based on the ability/abilities of the student/s and recommendations of the
		mentor, a single disciplinary or a multidisciplinary Mini-project can be
		assigned to an individual student or a group having not more than 4
		students.
	墨場合社	There is only CIE and no SEE for Mini-Project.
	210B8.2	Project Work: Based on the ability/abilities of the student/s and
		recommendations of the mentor, a single disciplinary or a multidisciplinary
		Major-project can be assigned to a group having not more than 4 students.
		The main project work needs to be taken up within the institute/ research
		laboratory/industry. It is desirable, that the outcome of the project work
		may be published /patented.
210B9.0	Continuous Internal Evaluation (CIE)	
	210B9.1	At the beginning of the semester, the course instructor or the faculty who is
		teaching the course shall have to announce the methods used for CIE.
		Continuous Internal Evaluation Procedure:
		The minimum CIE marks to be secured in all courses shall be 40% of the
		maximum marks for successful completion of courses having only CIE
		marks and appearing for SEE in case of courses having both CIE and SEE
		The area of courses maving both the and SEE

1 2

VTU, Belagavi

Page 15



210B9.1a

marks. (refer Annexure VIII)

Theory Courses (03 Credits):

Three Tests each of 20 Marks (duration 01 hour)

- First test at the end of 5th week of the semester
- Second test at the end of the 10th week of the semester
- Third test at the end of the 15th week of the semester

Two assignments each of 10 Marks

- First assignment at the end of 4th week of the semester
- Second assignment at the end of 9th week of the semester

Seminar/quiz/group discussion suitably planned to attain the COs and POs for 20 Marks (duration 01 hours)

The total CIE marks shall be the sum of the marks secured in each of the tests, two assignments, and quiz/seminar/group discussion will be out of 100 marks and will be scaled down to 50 marks.

210B9.1b

Integrated Professional Core Courses (IPCC): Theory Integrated with practical Courses. **(4 Credits)**

The CIE marks for the theory component of the IPCC shall be 30 marks and for the laboratory component 20 Marks.

CIE for the theory component of IPCC

Two Tests each of 20 Marks (duration 01 hour)

- First test at the end of 5th week of the semester
- Second test at the end of the 10^{th} week of the semester

Two assignments each of 10 Marks

- First assignment at the end of 4th week of the semester
- Second assignment at the end of 9th week of the semester

CIE for the practical component of IPCC

 On completion of every experiment/program in the laboratory, the students shall be evaluated and marks shall be awarded on the same day. The 15 marks are for conducting the experiment and

1-2



preparation of the laboratory record, the other 05 marks shall be for the test conducted at the end of the semester.

- The CIE marks awarded in the case of the Practical component shall be based on the continuous evaluation of the laboratory report. Each experiment report can be evaluated for 10 marks. Marks of all experiments' write-ups are added and scaled down to 15 marks.
- The laboratory test (duration 03 hours) at the end of the 15th week of the semester /after completion of all the experiments (whichever is early) shall be conducted for 50 marks and scaled down to 05 marks.

Scaled-down marks of write-up evaluations and tests added will be CIE marks for the laboratory component of IPCC for 20 marks.

• The minimum marks to be secured in CIE to appear for SEE shall be the 12 (40% of maximum marks) in the theory component and 08 (40% of maximum marks) in the practical component. The laboratory component of the IPCC shall be for CIE only. However, in SEE, the questions from the laboratory component shall be included. The maximum of 05 questions to be set from the practical component of IPCC, total marks of all questions should not be more than the 25 marks.

The theory component of the IPCC shall be for both CIE and SEE.

210B9.1c

Theory Course with 01 credit

Three Tests (preferably in MCQ pattern with 20 questions) each of 20 Marks (duration 01 hour)

- 1. First test at the end of 5th week of the semester
- 2. Second test at the end of the 10th week of the semester
- 3. Third test at the end of the 15th week of the semester

Two assignments each of 10 Marks

- 1. First assignment at the end of 4th week of the semester
- 2. Second assignment at the end of 9th week of the semester



Quiz/Group discussion/Seminar, any two of three suitably planned to attain the COs and POs for 20 Marks (duration 01 hours)

The sum of total marks of three tests, two assignments, and quiz /serninar/group discussion will be out of 100 marks and shall be scaled down to 50 marks

210B9.1d

Theory Course with 02 credits

CIE will same as 1 credit theory course for the 1st and 2ndsemester; however, for higher semesters depending upon the type of the course, the CIE pattern may be MCQ type (100 questions) or the same as other core theory courses.

CIE methods /question paper is designed to attain the different levels of Bloom's taxonomy as per the outcome defined for the course.

At the beginning of the semester, the instructor/faculty teaching the course has to announce the methods of CIE for the course.

210B9.2 210B9.2a

Engineering Graphics/ Drawing /Field Works:

Engineering Graphics / Drawing / Engineering Visualization Course

- The CIE marks awarded in the case of Drawing shall be based on the weekly evaluation of class work (sketching and computer-aided drawing). Each drawing will be evaluated for marks as mentioned module-wise in the syllabus. Marks for all the drawing sheets are added and scaled down to 30 marks.
- 2. One class test similar to SEE will be conducted after completion of the syllabus for 100 marks and scaled down to **20 marks**.
- 3. CIE marks (out of 50) scored by the student shall the sum of class work evaluation and test marks.

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 80:20.

210B9.2b

Continuous Evaluation(CIE) of Field Work

VTU, Belagavi

Page 18



Surveying Practice / Socio-Economic survey/ Marketing survey/traffic survey/ environmental survey. CIE marks will be split into two components 80% of maximum marks (40 marks) are given for fieldwork report evaluation and 20% of maximum marks (10 marks) for internal assessment test evaluation.

Fieldwork evaluation includes attendance, data collection through survey, use of data for design drawing, and report. The split-up of marks for the report shall be decided by the faculty member who is guiding them for the design drawing and report. The criteria for split-up of marks shall be done to achieve the course outcomes. The report evaluation shall be carried out for 100 marks and scored marks shall be scaled down to 40 marks.

The assessment shall be through a presentation of the report followed by the viva-voce. This test shall be conducted by the fieldwork project guide and fieldwork coordinator. If the fieldwork coordinator happens to be the same faculty then, HOD or senior faculty member will conduct the test with the guide. A test similar to SEE will be conducted for 100 marks and marks scored by the student will be scaled down to 10 marks.

The sum of the report and test marks will be total CIE marks for fieldwork.

210B9.3

Practical Courses:

CIE marks for the practical course is 50 Marks.

The split-up of CIE marks for record/journal and test are in the ratio 60:40.

- Each experiment to be evaluated for conduction with observation sheet and record write-up. Spit up of marks for the evaluation of the journal/write-up for hardware/software experiments designed by the faculty who is handling the laboratory session and shall be made known to students at the beginning of the practical session. (Split-up of marks for CIE is as suggested in Annexure-I)
- Record should contain all the specified experiments in the syllabus and each experiment write-up will be evaluated for 10 marks.
- Total marks scored by the students shall be scaled downed to 30



marks (60% of maximum marks).

- Weightage to be given for neatness and submission of record/writeup on time.
- Department shall conduct 02 tests for 100 marks, the first test shall be conducted after the 8th week of the semester and the second test shall be conducted after the 14th week of the semester.
- In each test, test write-up, conduction of experiment, acceptable
 result, and procedural knowledge will carry a weightage of 60% and
 the rest 40% for viva-voce.
- The suitable split up of marks can be designed to evaluate each student's performance and learning ability (Split-up of marks is as suggested in Annexure-I).
- The average of 02 tests is scaled down to 20 marks (40% of the maximum marks).

The Sum of scaled-down marks scored in the report write-up/journal and average marks of two tests is the total CIE marks scored by the student.

Internal tests for laboratory courses with software experiments will be conducted for 100 marks

Observation, write-up of procedure/ Algorithm/program, and execution of experiment will be assessed for 80 marks and Viva-voce for 20 marks.

Scored marks out of 100 is scaled down to 50 marks

210B9.4

Internship:

The Internship shall be taken up during the period specified in the Scheme of Teaching and Examinations.

The Department/ College shall nominate faculty member/s to facilitate, Guide, and supervise students under an internship.

The students shall report the progress of the internship to the Guide in regular intervals and seek his/her advice. The Guide shall

12

VTU, Belagavi



maintain the progress record of the candidates undergoing internship.

Duration of Internships

- Inter/Intra Institutional Internship 03 weeks
- Innovation /Societal /Entrepreneurship based Internship ()4 weeks
- Industry / Research Internship 24 weeks

There shall be only a CIE of 100 marks for Inter/Intra Institutional Internship and Innovation /Societal /Entrepreneurship based Internship.

Inter/Intra Institutional Internship and Innovation /Societal /Entrepreneurship based Internship (refer 210B6.1, part B point 4 and 5). However, Research / Industry internship will have both CIE and SEE components (refers to 210B6.1, part B point 6 to 9).

Report evaluation for Research / Industry internships shall be evaluated for 50% maximum marks - The split-up of marks suggested for report evaluation shall be based on the

- Report formatting (20% of marks of CIE for report)
- presentation of the outcomes in the report (40% of marks for CIE for report) and
- Technical content of the report (40% of marks for CIE for report)

 (Weightage may be given for paper publication in reputed journal/refereed journal/ Conferences/Product developed/ Patent filed -only for Industry/Research Internship).

Viva-Voce conducted for 50% of marks of CIE. The split-up of marks suggested are

For a demonstration of (soft) skills/Engineering Knowledge gained

12

VTU, Belagavi



(50% of marks of CIE for Viva-voce).

- The question-answer session will be checked for the understanding of the fundamentals and concepts (40% of CIE marks for Viva - voce)
- Clarity in answering the questions (10% of CIE marks for Viva-voce)

 Viva-voce will be conducted by the Mentor /guide and Head of the department

 /one of the senior faculty assigned by the head of the department

210B9.5

Technical Seminar:

The Technical Seminar performance evaluation shall be through CIE only. The Technical Seminar is one of the heads of passing. The maximum marks prescribed for CIE shall be 100. The marks awarded for Technical Seminar shall be based on the evaluation of the Seminar Report, Presentation skill, and Question and Answer session in the ratio of 50:25:25.

Technical Seminar is one of the heads of passing.

The Head of the Department shall make arrangements for the conduct of seminars through a committee of faculty members of the Department. The committee, constituted for the purpose by the Head of the Department, shall award the CIE marks for the seminar. The committee shall consist of three senior faculty members of the Department and the senior-most acting as the Chairperson.

Split up of Marks suggested

Report marks to be allotted by the seminar guide/s

- Formatting of the report (10 marks)
- Literature survey (20 Marks) and
- Technical content of the report (20 marks)

Seminar Presentation marks to be allotted by the committee: (25 marks)

Viva-Voce (Question answer session): 25 marks

- Understanding of fundamentals and concepts (15 marks)
- Clarity in answering the questions (10 Marks)

210B9.6

Mini - Project: (also refer 210B8.1 page 15)



The Mini-Project shall be under CIE only. The maximum marks prescribed for CIE shall be 100. The CIE marks awarded for Mini-Project, shall be based on the evaluation of the Mini-Project Report, Project Presentation skill, and Question and Answer session in the ratio of 50:25:25. The marks awarded for the Mini-Project report shall be the same for all the batch mates.

50 marks of CIE for the report shall be evaluated by the faculty guide /mentor who is guiding the mini-project.

The Head of the Department shall make arrangements for the conduct of viva-voce evaluation of the mini-project. The committee shall consist of a guide/mentor and two senior faculty members of the Department. This committee shall evaluate Mini-project Work for 50 marks considering project presentation and question-answer session.

- Project presentation: 25 marks
- Question and answer session:25 marks

210B9.7

Project Work: The project work shall be evaluated considering both CIE and SEE; the maximum mark for CIE is 100.

The maximum marks prescribed for CIE shall be 100. The CIE marks awarded for Project Work shall be based on the evaluation of the Project Report, Project Presentation skill, and Question and Answer session in the ratio of 50:25:25. The marks awarded for the Project report shall be the same for all the batch mates.

50 marks of CIE for the report shall be evaluated by the faculty guide /mentor who is guiding the project work.

The Head of the Department shall make arrangements for the conduct of viva-voce evaluation of the project work. The committee shall consist of a guide/mentor and two senior faculty members of the Department. This committee shall evaluate Project Work for 50 marks considering project presentation and question-answer session.

1-2



	Project presentation: 25 marks		
	Question and answer session:25 marks		
	Split-up of marks to be followed for evaluation is suggested in Annexure-I		
210B9.8	The candidate shall write tests, assignments/unit-tests /written quizzes		
	Blue-Books, which shall be preserved by the Principal/ Head of the		
	Department for at least 3 years after the announcement of Universi		
	results and shall be made available for verification as per the direction		
	of the Registrar (Evaluation).		
210B9.9	Maximum and Minimum CIE and SEE Marks:		
	The maximum CIE marks shall be 50. To appear for the SEE, the minimum		
	CIE marks to be secured in all the courses shall be 40 % of the maximum		
	marks.		
	Inter/Intra Institutional Internship and Innovation /Societa		
	/Entrepreneurship based Internship, Technical Seminar, Mini-Projec		
	Works will have only CIE component, maximum CIE marks shall be 100		
	Minimum CIE marks to be secured shall be 40% of the maximum marks, to		
	qualify in these courses.		
	For Research Internship/ Industry Internship /Major Project the maximun		
	CIE marks shall be 100. To appear the SEE, the minimum CIE marks to be		
	secured shall be 40% of the maximum marks i.e., 40 out of 100 marks.		
	Maximum and Minimum SEE Marks: The maximum SEE marks for Research /Industry Internship, Major Project		
	Work is 100, and minimum SEE marks to secure shall be 35% of the		
	maximum marks i.e. 35 marks.		
	For remaining all the courses mentioned in the scheme of teaching and		
	examination maximum SEE marks are 50 and minimum SEE marks to		
	secure shall be 35% of the maximum marks i.e. 18marks		
	No SEE component for Inter/Intra Institutional Internship and Innovation/Societal /Entrepreneurship based Internship, Technical Seminar and, Mini Project.		
LOB9.10	Any corrections or overwriting of CIE marks on the blue book/drawing		
	sheet laboratory record etc., where CIE marks are awarded, shall bear the		
	The state of the s		



Self-reguences			
	signature(s) of concerned Teacher(s) and the Head of the Department.		
21089.11	examinations as per the notification from the office of the Registral (Evaluation) from time to time. After submission of CIE marks to the University, any request under any circumstances for change of CIE marks shall not be considered.		
210B9.12			
	 i. Students satisfying the attendance requirement but failing to secure the minimum percentage of CIE marks, in any course/s, shall not be eligible for the SEE, conducted by the University and they shall be considered a fail in that Course /those Courses and marked as NE in the grade card against this course/s. However, they can appear for University examinations conducted for other Courses of the same semester and backlog course/s if any. ii. Students who have satisfied the attendance requirement but not the GIE requirements can be permitted to register afresh and appear for SEE after satisfying the CIE requirements in the same Course(s) when offered during the next immediate semester/s or later. iii. Each appearance to SEE or absence after completing CIE and attendance requirements to complete a course shall be treated as an attempt. iv. The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the 		
	prescribed fee as notified by the University from time to time.		
1089.13	CIE marks of those students, who come under 210B9.12 (i) and (ii), shalso be sent to the Registrar (Evaluation) along with other course (Marks.		
10B9.14	 i. The final list, incorporating corrections (if any), of CIE marks awarded to the students in the Theory/Practical/Internship/ Technical Seminar / Mini - Project Work/Major-Project Work shall be displayed on the 		

1-2



notice board of the college much before the closure of the semester.

ii. The college/institution shall enter the CIE marks of each semester in the format of the University 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 (hardcopy) shall bear the signatures of the concerned Teacher/Teachers, Head of the Department, and Principal.

210B9.15

Moderation Committee for CIE;

Moderation of assessment is an organized procedure that ensures the use of valid assessment methods and consistent application of criteria, to provide fair academic judgment and reliable outcomes in the form of marks or grades. It assures appropriate designing and implementation of assessment activities along with the generation of valid and reliable results.

There shall be a Moderating Committee for Internal Assessments in every Department, which shall be chaired by the Head of Department and two senior faculty members to be nominated by the Principal. This Committee shall be responsible for the entire process of Internal Assessment in the Department, including redressal of grievances if any.

Guideline for the moderation Committee-

Moderation may be conducted after each test or after the tests in case there is a large number of fail grades or higher letter grades, or when large numbers of students who have received the same grade or clustering of students on letter grades, or when there are discrepancies between marks allocated to individual students in different courses.

- Split-up of marks used for each of the different types of assessment in the course to be checked
- Checking of the questions whether it maps with course outcomes.
- Checking of the level of difficulty of questions paper i.e is difficulty level on the extremes, very easy or otherwise.
- Whether the assessment modes are used to cover the entire syllabus or not.

J.



	 Checking the manner of awarding the marks, i.e has correction been at the extremes, liberal or tough. Moderation should not be restricted to just assessment but also includes the assessment design (scheme of evaluation). 			
210B10.0	Semester End Examination (SEE) Marks and Passing Standards			
	a. University examination for all Courses under SEE shall be conducted for a maximum of 100 Marks. The marks secured by the students for 100 marks shall be proportionately scaled down to a maximum of 50 marks to add the same with the CIE marks for the award of the letter gracte. b. The University examinations for all the Programs of study shall be conducted at the end of each semester. c. Students having no backlog course/s, may not have more than one examination on the same day. However, students having backlog course/s may face a situation where they may have 1. Two examinations scheduled at the same time of the day, 2. To take two examinations on the same day, one during the morning session and the other in the afternoon session, and 3. Examinations on consecutive days. d. As changing the examination dates is not an option, the examination timetable shall not be modified/ altered/ adjusted in any of the above three cases. In the first case, the students shall select any one of the clashing courses and in the second and third cases, the students shall manage the examinations as per their decision. e. For all theory Courses /drawing Courses of the Program, the maximum SEE marks shall be 50, the minimum SEE marks to be secured shall be 35 % of the maximum marks i.e., 18 marks f. For Practical/Fieldwork/ the maximum SEE marks shall be 50, the minimum SEE marks to be secured shall be 35 % of the maximum marks i.e., 18 marks. Inter/Intra Institutional Internship, Innovation /Societal /Entrepreneurship based Internship, Technical Seminar and Mini-Project is not having any SEE component.			



- g. For 24 weeks of Research / Industry Internship /Major Project the maximum SEE marks shall be 100, the minimum SEE marks to be secured shall be 35% of the maximum marks i.e., 35 marks.
- h. Students who satisfy the conditions (e), (f), and (g) above, and obtain any grade from 0 to P in a course shall be considered to have passed that course.
- A student shall be declared fail if he/she
 - Fails to satisfy the conditions (h) above
 - Absents himself/herself to the University examination.
 - Is held guilty of examination malpractice and for any other reasons and declared the performance of any course/s as null and void by the competent authority.
 - The course/s in which student/s fail to satisfy attendance and CIE requirement (NE courses) are also considered as F only.
- j. If a student secures an F grade in any of the Courses, he/she shall reappear for that Course(s) during the subsequent SEE. The CIE marks awarded to the student at the first attempt in the concerned Course(s) shall be carried forward. Revised CIE marks are considered only in cases NE (not eligible to appear for SEE due to non-comply of attendance and CIE) cases.

The sum total of CIE and SEE marks must be 40% of the maximum marks prescribed for a course as per the scheme of teaching and examination.

210B10.1a

Theory Course with 3 Credits

Theory SEE will be conducted by University as per the scheduled timetable, with common question papers for the course(duration 03 hours)

- The question paper will have ten questions. Each question is set for 20 marks.
- 2. There will be 2 questions from each module. Each of the two questions under a module (with a maximum of 3 sub-questions), should have a mix of topics under that module.



210B10.1b

The students have to answer 5 full questions, selecting one full question from each module.

Integrated Professional Core Courses (IPCC): Theory Integrate cl with **Practical Course**

SEE for the theory part (Duration 03 hours) is the same as that merationed in serial no. 02 (questions mentioned in the SEE paper shall irrelude questions from the practical component).

210B10.1c

Theory Course with 1 Credit

SEE paper shall be set for 50 questions, each of 01 mark. The pattern of the question paper is MCQ (multiple choice questions). The time allotted for SEE is 01 hour

210B10.1d

Theory Course with 2 Credits

SEE paper will be set for 100 questions each of 01 mark. The pattern of the question paper is MCQ (multiple choice questions). The time allotted for SEE is 120 minutes. Marks scored are scaled down to 50 Marks.

The suggested question paper pattern is MCQ for the 1st and 2nd semester however, for higher semester/s depending on the type of the course SEE may be a written examination, a pattern similar to other theory courses as mentioned in clause 210B10.1a

210B10.1e

Engineering Graphics and Drawing(Laboratory Course)

SEE shall be conducted and evaluated for maximum marks 100. Marks obtained shall be accounted for SEE final marks, reducing it by 50%

- 1. SEE will be conducted by the two examiners of same institute one act as Internal Examiner and other act as External Examiner.
- 2. Question paper shall be set jointly by both Internal and External Examiner and made available for each batch as per schedule. Examiners may refer question bank.
- 3. Evaluation shall be carried out jointly by both the examiners as per the scheme.



Scheme of Evaluation: To be defined by the examiners jointly as per VIII norms

210B10.1f

Fieldwork

SEE for fieldwork Conducted by the Internal and External examiners appointed by University.

Report and design drawing evaluation and viva-voce are in the ratio 60:40. Fieldwork will be jointly evaluated by the Internal and External examiners. The duration of SEE is 03 hours.

210B10.1g

Practical Course

SEE marks for the practical course shall 50 Marks.

SEE shall be conducted jointly by the two examiners of the same institute one act as internal and another as external examiner. Examiners are appointed by the University.

- All laboratory experiments are to be included for practical examination.
- Breakup of marks and the instructions printed on the cover page of the
 answer script to be strictly adhered to by the examiners. OR based on
 the course requirement, a split-up of marks for evaluation shall be
 decided jointly by internal and external examiners.
- Students can pick one question (experiment) from the questions lot prepared by the internal /external examiners jointly.
- Evaluation of write-up/ conduction procedure and result/viva will be conducted jointly by Internal and external examiners.
- General split-up of marks for SEE mentioned are procedure / writeup-20%, Conduction and result in 60%, Viva-voce 20% of maximum marks.
 SEE for the practical course shall be evaluated for 100 marks and scored marks shall be scaled down to 50 marks (however, based on course type, split-up of the marks shall be decided by the examiners)
- Change of experiment is allowed only once and 20% Marks allotted to the procedure/write-up part to be made zero (Evaluation is to be carried out for 80% of total maximum marks).

The duration of SEE is 03 hours.



210B10.1h Research /Industry Internship SEE shall be conducted by the Internal and external examiners approved by the university. The internal examiner shall be the guide for SEE. The external Guide for Internship shall be the external examiner for SEE. Examination for internship shall be conducted at the college and the date shall be fixed in consultation with the external Guide. The Examiner's shall jointly award the SEE marks. In case the external Guide expresses his inability to conduct the Examination at the last moment, the Principal /Chief Superintendent appointed by the university for the concerned examination of the Institute shall appoint a senior faculty of the Department to conduct the Examination along with the internal Guide. Split up of marks for evaluation may be the same as suggested for $\mathbf{CIE}\ \mathrm{or}$ Internal and external examiners shall devise split up of marks for SEE and the same may be submitted to the University along with evaluation marks. 210B10.1i **Project Work:** As project work is evaluated for 200 marks (CIE: 100 marks, SEE:100 marks), the marks awarded in SEE for 100 marks must take as it is to decide the letter grade along with the CIE marks also awarded for 100 marks. SEE for Project Work will be conducted by the two examiners one internal and one external examiner appointed by University. SEE marks for the project shall be awarded based on the quality of report and presentation skill, participation in the question and answer session in the ratio 50:25:25 as per the University norms jointly by the examiners. Split up marks to be followed are suggested for CIE or Internal and external examiners shall decide the split-up of marks for SEE and the same may be submitted to the University along with evaluation marks 210B10.2 Rejection of Result: 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

VTU, Belagavi

EC to restore 2

Page 31



performance in University examinations (SEE) of a semester. The rejection is permitted only once during the entire Program of study.

210B10.3

Students who desire to reject the SEE results of a semester shall reject the total performance (irrespective of the earned Course grades) in all the Courses of the semester either rejecting or retaining the CIE marks. However, rejection of the performance of the VIII semester project shall not be permitted.

Students who desire to reject the total SEE performance of an odd or even semester including CIE marks, have to repeat that odd or even semester of the prevailing scheme by taking readmission during the subsequent academic year/s. They shall also be governed by readmission and

Maximum duration clauses (210B14.1-7 and 210B3.1)

- (i) If the rejection of SEE results excluding CIE marks is of the odd semester, students shall be allowed to take admission to the immediate next even semester.
- (ii) If the rejection of SEE results excluding CIE marks is of even semester, then students shall be allowed to take admission to the next odd semester (applicable only from 3rd semester onwards as per clause no. 210B14.1-1).
- (iii) Readmission to odd/even semester shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number, which was allotted earlier. The maximum duration of the Program shall be counted with reference to the University Seat Number (USN).
- (iv) Applications for rejection of results excluding CIE and approval to reappear for University examinations shall be sent to the Registrar (Evaluation) through the Principal of the College within 30 days from the date of announcement of the results, with prescribed fee as notified by the university from time to time. Late submission of applications shall not be accepted for any reason.
- (v) Application for rejection of results including CIE and approval for

A rejection of results including CIE and approval

EC 16 2 1 1/2



		readmission shall be sent to the Registrar through the Principa 1 of the						
		College within 30 days from the date of the announcement of the						
		results with prescribed fee as notified by the university from time to						
		time. Late submission of application shall not be accepted for any						
		reason.						
	210B10.4	Registration for SEE is compulsory if the student/s has satisfied the						
		attendance and CIE requirement of ODD /EVEN semester.						
		In case, the students fail to register for SEE of the odd semester after						
		satisfying the attendance and CIE requirements of the semester, they shall						
li i		be permitted to move to an even semester of that academic year. However,						
		such students have to register for odd semester examinations conducted						
		at the end of the academic year for all the semesters and registration shall						
		be considered for the first attempt.						
		In case, students fail to register for odd semester SEE after completing						
		successfully the even semester, they shall not be permitted to move to the						
		higher odd semester of the subsequent academic year. Irrespective of						
		student appearing for SEE, he/she has to register for SEE of odd and even						
		semesters before completing the academic year.						
	210B10.5	Students who opt for rejection of results of University examination shall be						
		eligible for the award of the degree and Minor Degree but not for the award						
		of ranks and Honors degree.						
210B11.0	Multiple Entry and Exit Option							
131131111111111111111111111111111111111	210B11.1	Entry 1: (at 1st semester) A program of study leading to entry into the first						
		year of the Bachelor's degree is open to those who have met the entrance						
		requirements, including specified levels of attainment at the secondary						
		level of education specified in the program admission regulations at clause						
		no. 210B2.1						
		Exit 1: The exit option is given to the student at the end of year 1 (after the						
		2nd semester). The student has to complete all academic requirements of 1st						
		year of the undergraduate program and earned requisite credits of 1st and						
		2nd semester and recommendation of the counselling team of the Institute.						



Entry 2: (at 3rd semester) A program of study leading to the second year of the Bachelor's degree is open to those who have met the entrance requirements, including specified levels of attainment, in the program admission regulations clause no. 210B2.2. Admission to a program of study is based on the evaluation of documentary evidence (including the academic record) of the applicant's ability to undertake and complete a

Bachelor's degree program.

This option is open to those who have left after completion of the 1st year of the program and want to join back for the continuation of their study subject to the condition of a maximum duration of 8 years from the date of 1st admission.

Student opting for multiple entries a3rd-semester level has to undergo a mandatory Summer Internship-I (21INT49) of 03 weeks during the intervening period of semester III and IV. CIE shall be conducted in the 3rd semester and prescribed credits earned for the internship shall be entered into the grade card of the IV semester.

Exit 2: The exit option is given to the student at the end of year 2 (after the 4th semester). The student has to complete all academic requirements to complete the two years of the undergraduate program and earned requisite credits of 1st 2nd 3rd and 4th semesters and recommendation of the counselling team of the Institute

210B11.3

Entry 3. This option is open to those who have left after completion of the 2^{nd} year of the program and want to join back for the continuation of their study subject to the condition of a maximum duration of 8/6 years from the date of 1^{st} admission.

A program of study leading to the Bachelor's degree is open to those who have met the entrance requirements, including specified levels of attainment. Admission to a program of study is based on the evaluation of documentary evidence (including the academic record) of the applicant's



		ability to undertake and complete a Bachelor's degree program.							
		Students opting for multiple entries at the 5th-semester level have to undergo mandatory Summer Internship-II (21INT69) of 04 weeks cluring the intervening period of semesters V and VI. CIE shall be conducted in the 5th semester and prescribed credits earned for the internship shall be entered into the grade card of VI semesters. Exit 3. (after 6th semester) On successful completion of three years, the relevant degree shall be awarded. The student has to complete all academic requirements to complete the three years of the undergraduate program and earned requisite credits of 1st to 6th semester and recommendation of the counselling team of the Institute.							
	210B11.4	Counselling Team: The students who choose to drop out (exit) undergo counselling to understand why they are making such decisions. The exit option is given to students only after the recommendation of the counselling team constituted by the Principal of the Institute.							
210B12.0	Grading								
	210B12.1	The University adopts an absolute grading system wherein the marks are converted to grades, and every examination result shall be declared in terms of Semester Grade Point Average (SGPA) considering all the courses that appeared in that Semester End Examinations including backlog course/s or arrear papers (refers to courses other than the current semester courses that have not yet been completed) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for up to an academic session semester, except for the first semester.							



	210B12.2	The gra	ding syste	m with th	he lette	r grades	and the	assigned	range o	f mar
		under t	he absolute	grading	system	shall be	as given	below:		
		Letter Grade and corresponding Grade Points on a typical 10 - Point scale								
		Letter	0	A+	Α	B+	В	С	P	F
		Grade	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Pall
		Grade Point	10	9	8	7	6	5	4	0
		% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39
		In the marks minimu 20 out secured for pass	to appear rade assign case of a shall be s am CIE ma of 50 ma d shall be s sing. In to	ned again Il the common to the	st that ourses the manured single passing the manuel studen	of the ximum hall be a rig. The aximum thas to	shall be in program SEE man 40% of in minimum marks i.e.	NE. n, the model ks shall maximu m SEE e., 18 ou 40 % o	be 50 m marks t of 50	m (. The ks, i.e to be marks
		for the	um mark Course.	s i.e., tn	e sum	of the C	IE and SI	EE mark	s presc	ribed
	210B12.3	A studen	t obtainin	g Grade	Fina	Course	/s shall l	ne conci	dered t	- 6-11
		A student obtaining Grade F in a Course/s shall be considered to fail in that course/s and is required to reappear for the corresponding course/s in the subsequent SEE. Whatever the letter grade secured by								
									ed by	
		the student in his /her reappearance shall be awarded. The number								
		of attemp	ots taken	to clear	course	es/s sha	ll be ind	licated i	n the g	rade
10B13.0										
		Computation of SGPA and CGPA								
	210B13.1	Computat	ion of SGP	A and Co	GPA					



	ASSESSMENT OF STREET	Point Assess (GCD 4)				
		Point Average (SGPA) and Cumulative Grade Point Average (CGPA				
		respectively:				
		SGPA $= \frac{\sum [CourseCredits \times GradePoints] for all the Courses applied in that semester}{\sum [CourseCredits \times GradePoints]}$				
		$\sum [CourseCredits] for all the Courses applied in that semester$				
		The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the				
		grade cards.SGPA and CGPA calculation: An illustrative example for one academic				
		year is shown in Annexure-III.				
	210B13.2	Conversions of CGPA into Percentage of marks and Class Equivalence				
		There is no formula for the conversion of CGPA into the percentage of				
		marks. However, the following formula for conversion of the CGPA on a 10-				
		point scale into the percentage of marks (M) for employment / higher				
		studies, etc may be used;				
		Percentage of marks secured, M = CGPA Earned x 10				
		Illustration for a CGPA of 8.20; Percentage of marks secured M = 8.20× 10				
		= 82.0 %				
	210B13.3	Class Equivalence:				
		Subsequent to the conversion of final CGPA, after successful completion of				
		the Program, into the percentage of marks (M), a graduating student is				
		reckoned to have passed in				
	11	(i). First Class with Distinction (FCD) if M≥ 70				
		(ii). First Class (FC) if 60% ≤M<70 %				
		(iii). Second Class (SC) if 50% ≤ M < 60%				
		(iv). Pass Class (P) if 40%≤ M ≤ 50%				
210B14.0	Vertical Progression					
	210B14.1	All the below clauses are subject to a maximum duration of eight (for				
		Regular Students) / six years (for Lateral Entry Students) as applicable.				
		1) In case of students admitted to the first year:				
		1 -9				



- (a) Students have to fulfill the attendance and CIE requirement to appear for SEE of course/s of 1st year (refer to clause no. 210B5.4)
- (b) Students having not more than four F grades in the 1st and 2nd semesters of the first year of the program shall be eligible to prove to the 3rd semester (2nd year) of the program. These courses include courses marked as NE as per clause no. 210B12.2 and 210B10.1i
- (c) The students who fail to satisfy CIE and attendance requirement has to repeat the courses whenever offered next and become eligible for the 2nd year. (refer to clause no. 210B9.9 and 210B5.1)
- 2) Obtaining CIE: From the (3rd semester) second year onwards the student who obtains the required attendance for the course, but not the required CIE marks is allowed to move forward to the next semester. However, the student has to mandatorily obtain the required CIE in the subsequent semester. Obtaining minimum CIE marks for the course is mandatory. It may also be noted that the student shall not be permitted to appear for SEE in such courses until he/she obtains the required CIE.(refer to clause no.210B9.9)
- 3) Carryover of backlog courses: From 3rd semester onwards the student/s who obtains required attendance, CIE, and appears for university examinations but fails (F Grade) to pass a course/s is allowed to move forward to the next semester (odd /even) irrespective of a number of F grades. However, for the award of degree, the student has to pass in all courses as per applicable scheme and regulations and earn the prescribed credits. This is subject to a permitted maximum duration. It may also be noted that the student will be given admission to the IV year (7th semester/8th semester) provided he/she passes all courses of 1st and 2nd semesters.
- 4) From the second year onwards there shall be no restriction from promotion from an even to next odd semester (or odd to next even semester) even if the student has not satisfied the attendance requirement in one or more courses (including bridge courses for lateral entry students) shall not be eligible to appear for the Semester



EC 16. N. 1. 112



End Examination (SEE) of that course(s). The student shall be required to repeat that course whenever offered next.

Permitted Maximum credits for registration: The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the University from time to time.

6) Successive Failures:

- a) If a student fails to pass a Course even after four attempts, that course is deemed to be exempted for him/her. Then, the student may choose a course of his / her choice with the same number of credits from the pool of courses suggested by the concerned Board of Studies. The course so selected should not have been studied by the student or to be studied in higher semester/s. The faculty advisor shall guide/advise the student in this regard. The college has to make arrangements for the registration and conduction of CIE for the selected course.
- b) This prevision is given only for two courses (one at a time) during the entire maximum duration of a course.
- 7) This provision is **optional**; the student/s can continue appearing for SEE with the same course without opting for a change of course as mentioned in clause 210B14.1-6a.

Readmission:

- a) Students who are temporarily discontinuing the program and getting readmitted or rejoin to the eligible semester are subject to a maximum duration of eight (for Regular students) / six (for lateral Entry students) years as applicable.
- b) The permission for readmission is only on request through the Principal and is not treated as a matter of right. Such students shall not claim any benefits based on the readmission.



	c) Students who take re-admission to any semester of the existing scheme from another scheme, as a repeater/fresher because of various reasons, shall attend and complete all the remaining semester/s of the program adhering to the regulations of the prevailing scheme and shall complete additional Course/s, if any, as per the decision of equivalence committee in concurrence with concerned Board of Studies on establishing the equivalence between two schemes. Such a candidate shall not be eligible for the award of rank. d) Readmission to odd/even semester shall not be considered as fresh admission and therefore students shall continue to have the same University Seat Number, which was allotted at the time of admission to the program. The maximum duration of the Program shall be counted with reference to the USN (University Seat Number) allotted during admission to the program. e) A student who has not obtained the eligibility for III semester even after three academic years from the date of admission to I semester shall discontinue the Programme or get readmitted to I semester of first year B.E./B.Tech., with a new University Seat Number (USN) but retaining the same year of admission. (to be
	read along with 210B14.1-1) 8) Permitted Maximum credits for registration: The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs. The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the University from the course of the pay
21	the prescribed fee as notified by the University from time to time. 1) The candidates who have temporarily discontinued the Program of study or changed the scheme of study from one to another because of various reasons or transferred with credits from the autonomous college of VTU /other University to non-autonomous



		deg that 2) In c that the cancer make press 3) In c	ree provided the credits earned at that stage in the credits decided by the University in the case, the forecasted or estimated credits are tof the credits prescribed by the University of semesters of the program under the product shall register for a course or courses to the credits which are equal to or great scribed credits. The credits which are equal to or great scribed credits. The credits which are equal to or great scribed credits.	are equal to or greate individual cases. e going to be less that on the completion of all revailing scheme, the not studied earlier and ter than the university
210B15.0	Award of D	egree		Water Committee
	210B15.1	(a) St B. st se ha m. (b) Fo	ech. degree cudents shall be declared to have completed Tech. degree and is eligible for the award of udents have undergone the stipulated Cou- emesters under the Scheme of Teaching ar ave earned the prescribed number of credits waximum duration. Or the award of degree, completion of brid- oplicable is compulsory. andatory Earning of Activity points:	f degree provided the urse work of all the nd Examinations and within the permitted
		Sl. No.	Students Category	Activity points prescribed by AICTE
		1	Regular students admitted to the 4 years Degree program	100
		2	Students entering 4 years Degree programs through lateral entry	75
		3	Students transferred from other Universities to the fifth semester	50

The Activity Points earned shall be reflected on the student's eighth semester Grade Card.

(i) AICTE Activity Points (non-credit) have no effect on SGPA/CGPA



	In case a student fails to earn the prescribed activity Points before the
	commencement of 8th-semester examinations, the Eighth Semester Grade
	Card shall be issued only after earning the required activity Points. Students
	shall be admitted for the award of the degree only after the release of the
	Eighth Semester Grade Card.
	(ii) The Guidelines and suggestive activities under Activity points are listed
	in Annexure –VII
210B15.2	B.E./B.Tech. (Honors) Degree
	(a) A student shall be declared to have completed the Program of BE/
7	B.Tech., degree and shall be eligible to get undergraduate B.E./B.Tech.,
	degree with Honours, provided.
	(a.1) the student has undergone the stipulated Course work of all
	the semesters under the same Scheme of Teaching and
	Examinations and has earned the prescribed number of credits, i.e.
	160 credits for I semester admitted students and 120 for III
	semester admitted students as per 210B15.1
	(a.2) has earned additional 18 or more credits through University-
	approved online Courses.
	(a.3) satisfied the Regulations Governing the Award of Honors at
	B.E./B.Tech. Degree Programs - Guidelines - Annexure-V
210B15.3	3. B.E./B.Tech. with Minor Degree
	a) A student shall be declared to have completed the Program of B.E./
	B.Tech. Degree and shall be eligible to get undergraduate B.E./B.Tech.,
	degree with minors, provided.
	• (a.1) The student has undergone the stipulated Course work of all
	the semesters under the same Scheme of Teaching and
	Examinations and has earned the prescribed number of credits, i.e.
	160 credits for I semester admitted student and 120 for III semester
	admitted student
	• (a.2)Has earned additional 18 or more credits through a University-
	A Z



20 1149	approved courses list submitted by the board of studies
	Guidelines refer to Annexure-VI
210B15.4	200
	Award of Degree for an Extraordinary Student:
	The University through college can offer a fast-track degree for
	extraordinary student. The same is done by offering courses of his / he
	choice to fulfill the requirement of the program in three and half year
	However, the degree shall be awarded on completion of 04 years. However
	the course completion letter may be issued jointly by University and
	Institute immediately after completion of the program, notwithstanding th
	minimum duration.
	Aspirant students have to register with University through the Principal of
	the college at the 5th-semester level, with the prescribed registration fee a
	fixed by the University from time to time. A special provision to registering
	for more credits other than regular semester credits shall be made only
	after registration.
	The extraordinary student is one with a CGPA ≥ 9 in 2nd, 3rd, and
	4thsemesters and maintains the same in all the semesters. Otherwise
	his/her registration will stand canceled automatically.
210B15.5	(1) Noncompliance of CGPA ≥5.00 at the end of the Program
	(A) Students, who have completed all the courses of the Program but do
	not have a CGPA ≥5.00 at the end of the Program, shall not be eligible
100	for the award of the degree.
	(B) In the cases of 210B14.5 (A), students shall be permitted to appear
	again for SEE in course/s [other than Internship, Technical seminar,
	Project (Mini and Main), and Laboratories] of any Semester/s without
	the rejection of CIE marks for any number of times, subject to the
	provision of the maximum duration of the Program to make up the
	CGPA equal to or greater than 5.00 for the award of the Degree.
	(C) In case the student earns improved grade/s in all the reappeared
	course/s, the CGPA shall be calculated considering the improved
Marchine .	grade/s. If it is ≥5.00, the students shall become eligible for the award
	A South become engine for the award



- of the degree. If CGPA <5.00, the students shall follow the procecture laid down in 210B14.5(B).
- (D) In case the students earn improved grade/s in some course/s and the same or lesser than the previously earned pass grade/s in the other reappeared course/s, the CGPA shall be calculated considering the improved grade/s and the pass grades earned before the reappearance. If it is ≥5.00, the student shall become eligible for the award of the degree. If CGPA <5.00, the students shall follow the procedure laid down in 210B14.5(B)
- (E) In case the student earns improved grade/s in some courses and fails in the other reappeared course/s, the CGPA shall be calculated by considering the improved grade/s and the previously earned pass grade/s of the reappeared course/s in which the student has failed. If it is ≥5.00, the student shall become eligible for the award of the degree. If CGPA <5.00, the student shall fallow the procedure laid in 210B14.5(B).
- (F) In case the student fails (i.e., earns F grade) in all the reappeared course/s, pass grade/s of the course/s earned by the students before reappearance shall be retained. In such cases, the student shall follow the procedure laid in 210B14.5(B).
- (G) The student shall obtain written permission from the Registrar (Evaluation) to reappear in SEE to make up the CGPA equal to or greater than 5.00.

(2) Noncompliance of Mini-project

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 examinations after satisfying the Mini-project requirements.

(3) Noncompliance of Major-project

The Project Work shall be considered as a head of passing and shall be

12

EC 165-29 1 1/2



		considered for the award of degree. Those, who do not take up/comple
		the Major-project shall be declared fail in that course and shall have
		complete the same during subsequent University examinations after
		satisfying the Major-project requirements.
		(4) Noncompliance of Internship
		All the students of B.E./B.Tech. shall have to undergo mandatory internship
		as per 210B 6.1. The internship shall be considered as a head of passing an
		shall be considered for the award of degree. Those, who do not tak
		up/complete the internship shall be declared fail in that Course and sha
		have to complete the same during subsequent University examinations after
		satisfying the internship requirements.
10B16.0	Award of l	Prizes, Medals, and Ranks
	210B16.1	For the award of Prizes and Medals, the conditions stipulated by the Donor
	基二级	shall be considered subject to the provisions of the statutes framed by the
		University for such awards.
	210B16.2	(1) For the award of rank in a Specialization of Bachelor of Engineering/
	100	Technology, the CGPA secured by the students from III to VIII semesters
		shall be considered.
		(2) The additional credits earned for the award of Honours / Minors
200		degree shall not have any bearing for the Rank declaration.
		(3) A student shall be eligible for a rank at the time of award of the
		degree of Bachelor of Engineering/ Technology, provided that the student,
		a) (i) Has passed all the Courses of I to VIII semester in the first
		attempt only in case of Candidates admitted to I year.
		(ii) Has passed all the Courses (including bridge courses) of III to
1		VIII semester in the first attempt only in case of Candidates
		admitted under lateral entry scheme.
		b) Is not a repeater in any semester because of rejection of result of a
0.00		semester/ shortage of attendance /temporarily discontinued and rejoined/readmitted etc.
		c) Has completed all the Courses/semesters of the same Scheme of
		Teaching and Examinations without any break/discontinuity.
200		



		autonomous college. e) Has not been transferred from any autonomous institution affillated.
		to VTU or from any other University. (4) The total number of ranks awarded shall be 10% of the total number of students who appeared in the VIII semester subject to a maximum of 10
		ranks in a specialization. (5) For an award of ranks in a specialization, a minimum of 10 students should have appeared in the VIII semester examination. Illustration:
		a) If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Program, the number of ranks to be awarded for Electronics and Communication Engineering shall be 10.
		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.
		c) In case of a fractional number of ranks, it is rounded to a higher integer only when the first decimal place is greater than or equal to 5.
	210B16.3	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 a 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.
210817.0	Change of College sha	College: Transfer of students: The Regulations Governing the Change of all be followed (Annexure-IX).
210818.0	Change of	Branch: The Regulations Governing the Change of Branch shall be
210B19.0		ty and Power to Modify



	210B19.1	The regulations governing the degree of Bachelor of
		Engineering/Technology of Visvesvaraya Technological University shall be
		binding on all concerned.
	210B19.2	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.

