BVV Sangha's

BASAVESHWAR ENGINEERING COLLEGE

(Govt.-Aided college, permanently affiliated to Visvesvaraya Technological University Belagavi, Approved by AICTE, Accredited by NAAC with "A" grade, NIRF Ranking: 251-300 band at National Level)

S. NijalingappaVidyanagar, Vidyagiri

BAGALKOTE -587 102

BEC REGULATIONS 2023-2024
B. E. Programme

Vision

To be recognized as a premier technical institute committed to developing exemplary professionals, offering research based innovative solutions and inspiring inventions for holistic socio-economic development.

Mission

- To pursue excellence through student centric dynamic teaching-learning processes, encouraging freedom of inquiry and openness to change.
- To carry out innovative cutting-edge research and transfer technology for industrial and societal needs.
- To imbibe moral and ethical values and develop compassionate humane professionals

A. ABBREVIATIONS AND CODES

This section enlists the codes and abbreviations used in these regulations.

Abbreviations used in the Regulations

Commission	University Grants Commission (UGC), New Delhi
Council	All India Council for Technical Education (AICTE), New Delhi
University	Visvesvaraya Technological University (VTU) Belagavi
Statute	VTU Autonomous College statute 2007, Guidelines and Norms for implementation of academic autonomy in institutions (2018) amended in 2022
GoK	Government of Karnataka
DTE	Directorate of Technical Education in Karnataka
CET	Common Entrance Test of Karnataka conducted by Karnataka Examination Authority (KEA)
COMEDK	Consortium of Medical, Engineering and Dental Colleges of Karnataka
BEC	Basaveshwar Engineering College (Autonomous) Bagalkote
BoG	Board of Governors
AC	Academic Council
Principal	Principal, Basaveshwar Engineering College (Autonomous), Bagalkote
CoE	Controller of Examinations
HoD	Head of the Department
BoS	Board of Studies
USN	University Seat Number
CSN	College Serial Number
UG	Undergraduate programme
BE	Bachelor of Engineering
CIE	Continuous Internal Evaluation
SEE	Semester End Examination
GPA	Grade Point Average
SGPA	Semester Grade Point Average
CGPA	Cumulative Grade Point Average
MPCC	Malpractice Case Consideration Committee

B.DEPARTMENT CODES

The department codes used for the courses are given in Table B.

Table B: Department Codes

Code	Name of the Department/section
Undergraduate Programmes	
CV	Civil Engineering
ME	Mechanical Engineering
EE	Electrical and Electronics Engineering
CS	Computer Science and Engineering
EC	Electronics and Communication Engineering
IP	Industrial and Production Engineering
IS	Information Science and Engineering
BT	Biotechnology
AI	Artificial Intelligence and Machine Learning
Basic Sciences	
PH	Physics
CH	Chemistry
MA	Mathematics
HS	Humanities and Social Sciences

C. CODES FOR DIFFERENT CATEGORY OF COURSES

The Choice Based Credit System (CBCS) mandates a student to study different categories of courses. The codes employed to indicate the course category are listed in Table C.

Table C: Codes indicating the category of the courses

Code Employed	Category of Courses	Description
A	Audit	A course for auditing and the performance of the course is reflected in the grade card but not considered in calculation of SGPA/CGPA.
B	ETC/PLC	Emerging Technology Course/Programming Language Course: Such courses can be opted by the students of parent department and other departments also.
C	Core	The core courses of the respective programme
E	Elective	Elective courses offered by departments
H	Humanities and Social Science	The core courses of Humanities and Social Science
I	Internship	Inter/Intra institutional and Industrial Internship in association with industries under supervision of faculty and Industrial personnel
L	Laboratory	Laboratory courses offered by departments
M	jMandatory	Courses not assigned with any credits, but mandatory for students to pass
N	Open Elective	Interdisciplinary courses offered by departments, which can be opted by students of other departments
O	Online Course	Online courses that can be opted by a student, offered by MOOCs like NPTEL/Swayam etc.
P	Project Work	Project work related to his/her discipline or of interdisciplinary nature
S	Seminar	Seminar presented on relevant advanced topic
T	Term Paper	A technical report to be articulated and presented/published in the conference/journal over an academic term on relevant advanced topic/technology

D. NUMBERING SCHEMEFOR COURSES

Every course is given a code using a string of seven alpha numerical symbols. The character in each position has significance and is shown below:

Position	1	2	3	4	5	6	7	8	9
Typical Subject Code	2	1	U	C	S	6	5	1	C
Description	Year of introduction of the course		Level of programme U:Undergraduate	Academic Department/ Section		Semester	Unique number of the Course		Category of the course

E. UNIVERSITY SEAT NUMBER (USN)

It is unique number assigned to each student who is admitted for a programme duringfirst year. This number is valid for communication/transaction in the college and valid till the award of degree.

The Format of USN for UG programmes is as follows.

1	2	3	4	5	6	7	8	9	10
2	B	A	2	1	C	S	0	0	1
Region Code	College Code		Year of admission		Programme Code		Serial Number of the Student		

F. COLLEGE SERIALNUMBER (CSN)

It is an eight-digit number assigned to each student by the college at the time of admission. This number is used for tracking the information about individual students at any time till USN is allotted by the University. The student shall communicate this number for all his future correspondence to the college.

1	2	3	4	5	6	7	8
2	0	2	1	X	X	X	X
Indicates the year of admission				Indicates the serial number of admissions			

Contents

1. **PREAMBLE**

1.1   The regulations contained herein are common to all BEprogrammes, and Certification courses offered by Basaveshwar Engineering College (Autonomous), Bagalkote These regulations will be called "BEC Regulations-BE Programmes" and are binding on all the stakeholders.

1.2   These regulations are approved by the Academic Council and Board of Governors of the college and shall supersede all the earlier regulations.

1.3   The regulations may evolve and get modified or changed through appropriate approvals from the Academic Council and Board of Governors from time to time. The decision of the BoG in all matters will be final and binding on all the stakeholders.

1.4   To guarantee fairness and justice to the parties concerned in view of the periodic evolutionary refinements, any specific issues or matters of concern shall be addressed separately, by the appropriate authorities, as and when found necessary, which shall later be approved by AC and BoG.

1.5   The AC and BoG may consider any issues or matters of concern relating to any or all the academic activities of BEC and suggest appropriate action, irrespective of whether a reference is made here in this set of regulations or otherwise.

1.6   The abbreviations and codes listed in sections A, B and C are used in BEC regulations.

2. PROGRAMMES OFFERED

This section presents various UG, PG, Diploma, Certification courses offered in the college and also the list of research programmes offered in different disciplines.

2.1 Programmes offered under Autonomous Scheme

The following programmes are offered in the college under autonomous scheme:

A. Bachelor of Engineering

The UG programmes offered are listed in Table 2.1.

Table 2.1: B. E. Programmes

Sl. No.	Programme	Duration
1.	Civil Engineering	4 Years (3 Years for lateral entry students)
2.	Mechanical Engineering	
3.	Electrical and Electronics Engineering	
4.	Computer Science and Engineering	
5.	Electronics and Communication Engineering	
6.	Industrial and Production Engineering	
7.	Information Science and Engineering	
8.	Biotechnology	
9.	Artificial Intelligence and Machine Learning	

B. Master of Technology

Table 2.2 presents various PG programmes offered in different specializations.

Table 2.2: M. Tech. Programmes

Sl. No.	Department	Specialization	Duration
1.	Civil Engineering	Structural Engineering	2 Years
		Geo-Technical Engineering	
		Environmental Engineering	
2.	Mechanical Engineering	Machine Design	
3.	Computer Science and Engineering	Computer Science and Engineering	
4.	Electronics and Communication Engineering	VLSI and Embedded Systems	
		Defence Technology	
5.	Biotechnology	Food Biotechnology	

C. Master of Business Administration (MBA)	2 Years
D. Diploma Programme	1 year
E. Certification Programme	6 months

Table 2.3: Postgraduate Diploma Programmes

Sl. No.	Department	Specialization (PG Diploma in)	Duration
1.	Biotechnology	Nutraceuticals and Food Processing	1 Year

F.1 Ph.D. and M. Sc (Engineering by Research) Programmes

The research centers recognized by VTU Belagavi are listed in Table 2.4. These research centers offer full-time/part-time Ph.D. programmes and M. Sc. (Engg. by Research).

Table 2.4: List of Research Centers

Sl. No.	Programmes
1.	Civil Engineering
2.	Mechanical Engineering
3.	Electrical and Electronics Engineering
4.	Computer Science and Engineering
5.	Electronics and Communication Engineering
6.	Industrial and Production Engineering
7.	Biotechnology
8.	Physics
9.	Information Science and Engineering
10.	Master of Business Administration

F.2 Ph.D. Programmes under AICTE-Quality Improvement Programme (QIP)

The departments offering Ph.D. programmes under QIP to faculty of engineering colleges, Table 2.5

Table 2.5 Departments offering QIP Programmes

Sl. No.	Programmes
1.	Civil Engineering
2.	Mechanical Engineering
3.	Electrical and Electronics Engineering
4.	Computer Science and Engineering
5.	Electronics and Communication Engineering

3. ADMISSION PROCESS

3.1   Admission to UG programmes will be made in accordance with the guidelines issued by the Department of Higher Education, Government of Karnataka, and VTU Belagavi, from time to time. Seats are reserved for candidates belonging to scheduled castes and scheduled tribes, differently abled persons, children of defense personnel, other backward classes, and categories as per the guidelines issued by Govt. of Karnataka.

3.2   Admission to all UG programmes will be made in the odd semester of each academic year, at the firstyear level. (Refer Eligibility section (# 4) for details).

3.3   Admissions are offered to students under NRI and management quota in accordance with the rules framed by GoK, from time to time.

3.4   The students are admitted to college under Diploma quota (Lateral Entry), allotted through KEA/Management, directly to the 3rdsemester of the BE programme, as per GoK rules.

3.5   The transfer of students can be affected as per the guidelines issued by VTU/Management but subject to approval from the University.

3.6   The transfer of Credits of students from VTU affiliated non-autonomous and other autonomous colleges shall be as per the decision of respective BoS and approval of the same by the AC and the BoG.

3.7   At any instant of time after admission, if it is found that a student has not fulfilled all the requirements stipulated in the offer of admission, in any form whatsoever, including possible misinformation etc., his/her admission will be revoked.

3.8   The College reserves the right to cancel the admission of any student and ask him/her to discontinue his/her studies at any stage of his/her career on the grounds of unsatisfactory academic performance (refer to VTU guidelines) or indiscipline or any misconduct.

3.9   Candidates must fulfill the medical standards required for admission.

3.10   Every student of UG programme will be associated with parent department offering the degree that the student undergoes throughout his study period.

3.11   The decision of the AC and the BoG regarding the admissions is final and binding on the student.

4. ELIGIBILITY CRITERIA FOR ADMISSION TO B.E PROGRAMME

4.1 Admission to 1st year (I semester) Bachelor's degree in Engineering shall be open for the candidates who have passed the second year Pre-University or XII standard or equivalent examination recognized by VTU Belagavi/GoK.

4.2 The student must have secured the percentage of marks not less than that prescribed by the Council and GoK under different categories as applicable.

4.3 Admission to 2nd year (III semester) Bachelor's degree in Engineering (Lateral Entry) shall be open to the students with Diploma or equivalent examination, as recognized by the University/DTE and has secured not less than the prescribed percentage of marks, in the appropriate branch of Engineering, as specified in Government order, issued from time to time and also as per rules specified by GoK from time to time. Such students shall clear the prescribed bridge courses specified by the College.

4.4 The students who have passed a qualifying examination other than the PUC-II examination of the Pre-University Education Board of Karnataka or Engineering Diploma Examinations of the Board of Technical Education of Karnataka must obtain eligibility certificate from VTU Belagavi, for seeking admission to degree programme.

4.5 Admission to 2nd year bachelor's degree in Engineering through lateral entry for students who have passed B.Sc. Degree shall be as per VTU Belagavi and GoK. Such students have to pass the mandatory non-credit courses as prescribed by the college. The students must have passed 10+2 Examination with Mathematics as a course.

5. ACADEMIC CALENDAR

At Basaveshwar Engineering College (Autonomous), Bagalkote the semester scheme is adopted for imparting education to students admitted to BE, Certificate and Diploma programmes.

A typical breakdown of the academic year for the semester scheme is as follows:

5.1 Three semesters are offered every year: Two main semesters and one supplementary semester.

5.2 The main semesters are odd and even, typically each of 21 weeks duration which includes registration, coursework, examination and announcement of results.

5.3 The Supplementary semester of 8 weeks duration is offered for a student of B.E Programme after 4th semester for courses from 1st to 4th semester and after 8th semester, for courses from 5th to 8th semester. Supplementary semester is primarily to assist the slow learner weak and/or repeater students for repeating the courses.

5.4 In the main semester there shall be various provisions for the students such as:

- Registration of the courses at the beginning of the semester
- Counseling
- Dropping of courses as per the date mentioned in the academic calendar
- Withdrawal of courses at the end of semester as mentioned in academic calendar

(These provisions have to be judiciously followed under the guidance of faculty advisors)

- Assessment and evaluation are conducted in each semester for each programme, under two components having equal weightage namely CIE and SEE. (More details in Assessment and Evaluation Section)

- Provision for makeup examinations is made for the students after each main semester.

- In Supplementary semester only the courses offered by the departmentscan be re-registered. The courses to be offered are at the discretion of the department.

The minimum and maximum credits a student can register in a semester are given in Table 5.1.

Table 5.1: Range of credits to be registered in a semester for BE Programme

Semester	Min. (Credits)	Max. (Credits)	Maximum Contact Hrs./week
EVEN/ODD	16	28	35
SUPPLEMENTARY	-	16	40

- The scheme and syllabus for each programme (all semesters) is prescribed by the respective BoS of the department subjected to approval of AC and BoG.
- The courses to be registered for the 1styear B.E are prescribed by the Joint BoS with the approval of AC and BoG.

6. CHOICE BASED CREDIT SYSTEM (CBCS)

The college follows Choice Based Credit System for teaching and evaluation of B.E programme. Each programme is associated with a fixed number of credits. The programmes are defined by their credit requirements and duration as given in Table 6.1.

Table 6.1: Minimum number of credits for Award of B.E Degree/PG Diploma/Certificate

Programme		Regular duration in years	Number of Semesters	Minimum number of credits to be earned
UG Degree	B.E	4.0	8	160
	BE (Lateral Entry)	3.0	6	120
Diploma	(UG/PG)	1.0	2	44
Certificate	--	0.5	1	22

The maximum period, which a student can take to complete a fulltime academic programme shall be double the nominal duration of the programme i.e., 8 years for B.E and 6 years for B.E (Lateral Entry students)

6.1. Allocation of Credits for B.E Programme

The distribution of credits for B.E programme over the different subject areas is given in Table 6.2.

Table 6.2: Distribution of Credits for B.E Programme

Course category	Suggested break-up of credits
▪ **HSMC:** HSS (2 English, 1 Kannada, 1 UHV, 1 Constitution, 1 EV, 3 HRM (offered by the dept) = 9 ▪ **AEC:** (1 Scientific Foundations of Health, 1 Innovation and Design Thinking, 2 Softskills, 3 MOOCs. 3 Dept. specific) = 10	19
▪ **BSC:** Basic Science Courses (Physics, Chemistry, Mathematics)	22
▪ **PCC:** Professional Core Courses	56
▪ **ESC/ETC:** Engineering Science Courses / Emerging Technology Courses (Basic Elect/Electronics/Computer/Mechanics/Workshop/ Drawing etc.)	18
▪ **PEC:** Professional Elective Courses relevant to the branch with at least one course either fully or partially-supported by industry	12
▪ **OEC:** Open Electives Courses/Subjects from other technical/arts/commerce (3 MOOCs + 6)	9
▪ Mini (2) and Major projects (12) / Industrial Internships (10)	24
▪ Mandatory Courses: PE, Yoga, NSS, Bridge Course Maths I & II (lateral Entry)	00
Total	**160**

* **Minor variation is permitted as per requirement of the respective discipline approved by BoS, Academic Council and BoG**

6.1.1 Mandatory Courses

The B.E degree students shall have to pass mandatory non-credit courses, if any, as prescribed by the respective BoS and the Diploma lateral entry students have to pass Bridge Course Mathematics-I and IIin addition to the courses mentioned above. B.Sc lateral entry students have to pass Computer Aided Engineering Graphics and Engineering Mechanics in addition to the other mandatory courses studied by regular B.E students.

6.1.2 Induction Programme

A 3-week induction programme is included for the first year BE students as per the requirement of AICTE Model Curriculum.

6.1.3 Activity Points

In addition to technical knowledge, skills are required to be successful professionals. The students should have excellent SoftSkills, Leadership qualities, Team spirit, Entrepreneurial capabilities, and Societal commitment. To match these multifarious requirements, AICTE has introduced Activity Point Programme, through which a regular student admitted to 4 years degree programme including lateral entry students, shall earn the activity points as given in Table 6.3.

i. The activity points earned shall be reflected on the student's eighth semester grade card.

ii. The activity points (non-credit) have no effect on SGPA/CGPA and shall not be considered for vertical progression.

iii. The students will be eligible for award of B.E degree only upon earning the prescribed activity points and the same reflected in eighth semester grade card.

Table 6.3: AICTE Activity Points (AAP)

Sl. No.	Student Category	Activity Points prescribed by AICTE
1.	A regular student admitted to 4 years degree programme	100
2.	A regular student admitted to 4 years degree programme, admitted through lateral entry	75
3.	Students transferred from other universities to fifth semester	50

6.2 SUBJECT CONTENT DESCRIPTION

Subject content description consists of Subject Code, Title of the Subject, Credits and Description of the Content.

Ex:21UCS069E-Data Science: Data Science. Applications of data science, Data types, Pre-processing, Data analysis and analytics, Tools for Data Science, Machine Learning for Data Science, Unsupervised learning, Applications, Evaluations and Methods, Data collection, experimentation, Data collection and analysis methods

Prerequisite: A course tutor may prescribe another course as prerequisite for crediting a subject. Thus, a course might have another course specified as its prerequisite. A student who has not undergone a course mentioned as prerequisite will not be eligible to study the course under consideration.

Ex: Prerequisite - 21UCS452CDatabase Management Systems: A student who has undergone the course21UCS452C will only be eligible to register for the course21UCS069E.

6.3 CREDIT SYSTEM

The credit system enables continuous evaluation of a students' performance and allows the students to progress at an optimum pace suitable to individual ability and convenience. However, a student must fulfill minimum credit requirement for continuation of programmeon semester or session basis.

6.4 CREDIT DEFINITION

Every course has certain number of credits assigned based on the students' contact hours in a week.

Table 6.4 Credits and Number of Hours

Number of Credits	No. of Lecture hours /week		No. of Tutorial or laboratory or Drawing or Practical hours/week	
	Regular Semester	Summer Semester	Regular Semester	Summer Semester
1	1	2	2	4

- 4 credit theory courses:50-52 Hrs./Sem.
- 2 credit theory course: 25-27 Hrs./Sem.

• 3 credit theory courses:40-42 Hrs./Sem.	• 1 credit theory course: 15 Hrs./Sem.

The following example illustrates the credit assignment pattern.

21UCS352C: Computer Organization, 4 credits (3:2:0) (3 Hrs. Lectures + 2 Hrs. Tutorial+ 0 Hr. Practical) per Week.

Atypical credit structure based on the definition is given in Table 6.4.

Table6.4: Credit Structure for Coursework

Theory/Lectures (L) (Hrs./week/Sem.)	Tutorials (T) (Hrs./week/Sem.)	Laboratory/Practical (P) (Hrs./week/Sem.)	Credits (L:T:P)	Credits (Total)
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	1
0	1	1	0:0.5:0.5	1
0	0	2	0:0:1	1
Note: Activities like practical training, study tour & participation in Guest lectures do not carry any credits					

6.5 GRADING SYSTEM

The grading system is implemented on a 10 points scale with letter grades O, A+,A, B+, B,C,P and F and are given in Table6.5. The Grade awarded (an alphabet) to the students are basically a qualitative measure of the performance of a student, such as Outstanding (O), Excellent (A+), Very Good (A), Good (B+), Above Average (B), Average (C), Pass (P) and Fail (F). If a student remains absent for SEE for any of the courses, the letter grade assigned to that shall be F.

NE: If a student fails to satisfy attendance and/or CIE requirement course/s then such course/s shall be marked as not eligible (NE, i.e., not eligible to appear for SEE in that course/s. Such candidates have to re-register. However, the number of attempts will be mentioned in the grade card.

F: If a candidate is eligible in CIE but remains absent or fails to obtain the qualifying marks (minimum passing marks), prescribed for the course, in SEE, is awarded F grade. Such candidates need to re-appear whenever conducted.

There are different approaches possible for awarding grades like absolute grading, relative grading etc., presently absolute grading is adopted in the evaluation system at BEC. This is usually arrived after the assessment of student's performance in a course.

The following method is used for awarding grades in a course. A letter grade, corresponding to specified number of grade points, is awarded in each course registered by a student. On obtaining a minimum pass grade, the student's performance is evaluated by the number of credits that he/she has earned and by the weighted grade point average.

Table 6.5:Letter Grade and Corresponding Grade points on a typical 10 point scale

Range of Marks (Out of 100)	Grade	Grade Points	Level
90 to 100	O	10	Outstanding
80 to 89	A+	9	Excellent
70 to 79	A	8	Very Good
60 to 69	B+	7	Good
55 to 59	B	6	Above Average
50 to 54	C	5	Average
40 to 49	P	4	Pass
0-39	F	0	Fail

6.6 AUDIT COURSES

In addition, a student can register for courses as audit only, with a view to supplement knowledge and/or skills. The courses audited by students are awarded grades and reflected in his/her Grade Card. However, the grades are not taken into consideration while determining the student's academic performance in that semester (SGPA and CGPA). The total number of credits registered by a student in that semester including audit courses must not exceed the maximum credits in the semester.

6.7 GRADE POINT AVERAGES

6.7.1   The Grade point averages SGPA and CGPA are computed using the credits index, credit points and grade points earned by the student.

6.7.2   The grade points awarded to the student is computed as perTable 6.5 depending on the grade assigned to the courses. The credit points earned by a student are equal to the number of credits assigned to the course multiplied by the grade points awarded to the student. The credit index of a student for a semester is the total of all the credit points earned by the student for all the courses registered in that semester.

Example:21UMA301C (3-0-0) If a student earns a B Grade, the grade points earned in the course is 8 and Credit Points is (6×3=18).

6.7.3 Semester Grade Points Average (SGPA) and the Cumulative Grade Point Average (CGPA), are important performance indices of a student.

6.7.4 The SGPA reflects the credit index for a semester which is equal to the total credit points earned in the semester divided by the number of credits registered by the student in that semester.

6.7.5 The CGPA reflects the performance index of a student till the previous semesters which is equal to the total of credit indices of all the previous semesters divided by the number of credits earned in all the previous semesters.

Thus,

$$SGPA = \frac{\sum[(Course\ Credits) \times (Grade\ Points)]\binom{for\ all\ the\ Courses\ applied\ in\ that\ semester}{excluding\ transitional\ grades}}{\sum[(Course\ Credits)]\binom{for\ all\ the\ Courses\ applied\ in\ that\ semester}{excluding\ transitional\ grades}}$$

$$CGPA = \frac{\sum[(Course\ Credits) \times (Grade\ Points)]\binom{for\ all\ Courses\ excluding\ those\ with\ F,\ NE}{and\ transitional\ grades\ until\ that\ semester}}{\sum[(Course\ Credits)]\binom{for\ all\ Courses\ excluding\ those\ with\ F,\ NE}{and\ transitional\ grades\ until\ that\ semester}}$$

Sample of calculation of SGPA and CGPA are given in Tables 6.6 and 6.7.

Table 6.6:Typical Calculationof SGPA and CGPA for BE I-Semester

Subject Code	Subject Credits Registered	Grade Awarded	Earned Credits	Grade Points	Credit Points Earned
(1)	(2)	(3)	(4)	(5)	(6)
21UMA101C	3.0	W	0	0	0
21UPH102C	3.0	A+	3.0	9	27
21UCS103C	3.0	B	3.0	6	18
21UEC104C	3.0	C	3.0	5	15
21UEE105C	3.0	F	0.0	0	00
21UHS106C	2.0	P	2.0	4	08
21UHS107C	1.0	O	1.0	10	10
21UPH108L	1.0	A	1.0	8	8
21UCS109L	1.0	B+	1.0	7	7

	Total:	20		14		93

Credits registered in the semester   :   20   (Total of Column 2)

Credits registered after withdrawal   :   20 – 3 = 17   (Total of Column 2 – Sum of credits of all withdrawn courses)

Earned credits in the semester   :   17 – 3 = 14   [Total of Column4 (Credits registered after withdrawal – Sum of credits of courses with F Grade)]

Credit index secured in the semester   :   93   (Total of Column 6)

$$\text{SGPA} = \frac{93}{17} = \mathbf{5.47} \qquad \text{and} \qquad \text{CGPA} = \frac{93}{14} = \mathbf{6.64}$$

Table 6.7: Typical Calculation of SGPA and CGPA for BE II-Semester

Subject No	Subject Credits Registered	Grade Awarded	Earned Credits	Grade Points	Credits Points Earned
(1)	(2)	(3)	(4)	(5)	(6)
21UMA101C	3.0	A	3.0	8	24
21UCH110C	3.0	B	3.0	6	18
21UCV111C	3.0	O	3.0	10	30
21UME112C	3.0	F	0.0	0	00
21UME113L	3.0	W	0.0	0	00
21UHS106C	2.0	A	2.0	8	16
21UCH114L	1.0	P	1.0	4	04
21UHS115C	2.0	A	2.0	8	16
TOTAL	**20**		**14**		**108**

Credits registered in the semester   :   20   (Total of Column 2)

Credits registered after withdrawal   :   20 – 3 = 17   (Total of Column 2 – Sum of credits of all withdrawn courses)

Earned credits in the semester   :   17 – 3 = 14   [Total of Column4 (Credits registered after withdrawal – Sum of credits of courses with F Grade)]

Credit index secured in the semester   :   108   (Total of Column 6)

Sum of credit indices of all previous semesters   :   93 + 108 = 201

Total credits earned $\qquad$: $\quad$ 14 + 14 = 28

$$\text{SGPA} = \frac{108}{17} = \textbf{6.35 and} \qquad \text{CGPA} = \frac{201}{28} \grave{} = \textbf{7.18}$$

6.7.6 A student is considered to have completed a course successfully and earned the credits if he/she secures a letter grade other than I, W, X, F, NP, NE in that course.

6.7.7 The transitional Grades I, W & X, shall be awarded to a student in the following cases:

a. **Grade I:** It is awarded to a student having satisfactory attendance at classes and meeting the passing standard at CIE in a course, but remained absent from SEE for a valid and convincing reasons acceptable to the college, like:

  i. Illness or accident, which disabled him/her from attending SEE

  ii. A calamity in the family at the time of SEE, which required the student to be away from the college

  iii. any other verifiable exigency

b. **Grade W**: It is awarded to a student having satisfactory attendance at classes, but withdrawing from that course as mentioned in the academic calendar, under faculty advice. Further, a student can withdraw from a regular registered course once and only once, maintaining minimum credits requirements.

c. **Grade X:** It is awarded to a student with a high CIE rating **(≥90%)** in a course, but SEE performance is observed to be poor, which results in overall F Grade in the course.

d. However, there is no scope for awarding transitional grades in the Supplementary semester.

e. The transitional grades are to be converted into one or the other of the valid letter grades (O to F, NP) after a student completes all the academic requirements of the course.

6.7.8 The Grade Card (or transcript) of a student at the end of the semester will have a list of all the courses taken by a student, however, only those grades (O to F, NP, NE) are included in the computation of the student performance. Thus, the courses taken for audit will not form part of the computation. The results of the mandatory courses, which are of non-credit type, will also be reflected in the Grade Card as PP (for passed) or NP (not passed). It is necessary for each student to obtain the Grade PP in every mandatory course to qualify for the award of the degree.

6.7.9 I and X grades awarded to a student should be converted into an appropriate letter grades in the subsequent make up examination. Otherwise, the grade will be automatically converted into F or NP grades.

6.7.10 The NE and W grade awarded to a student would be eligible for conversion to the appropriate letter grade only if the concerned student re-registers for these courses in a main/supplementary semester and fulfills the passing standards for the CIE and SEE.

7. REGISTRATION PROCESS

7.1 REGISTRATION

Registration is an important procedural part of the academic system. Every student after consulting his/her faculty advisor in the department has to register for respective courses approved by the BoS of the department. This ensures that a student's name is on the roll for each course he/she wants to study during that academic year.

Each student has to register for the course work at the beginning of the semester. Course load has to be maintained as mentioned in Section 5.

No credit is given, if a student attends the course for which he/she has not registered. Registration for the courses in a particular semester will be done as per specified schedule. The student must ensure that his/her fee dues are paid before the commencement of each semester/session.

Registration in absentia and registration after the specified date is not permitted. However, in exceptional cases, this may be permitted at the discretion of Principal. In case of illness or absence during registration due to valid reasons, a student must intimate the same to the concerned faculty advisor and the HoD. For reasons beyond his/her control, if a student is not able to register or inform the same, he/she may submit an application to the Principal for late registration. The Principal may consider the late registration in genuine cases with penalty.

However, late registration is not permitted beyond one week after the starting of the semester.

Each student will be provided with a registration report, which will be an official record of courses registered. Adding, dropping, withdrawal and auditing will be marked on this report itself. The data contained in this report will be used for resolution of discrepancies, if any, later.

The duly filled registration report is to be submitted in the concerned department on or before the specified date, failing to do so the registration is liable to be cancelled.

7.2 COUNSELING

A student must consult his/her faculty advisor at the time of registration process, to finalize the courses for a given programme, keeping in view minimum/maximum number of credits, past performance, backlog courses, SGPA/CGPA, pre-requisites, workload, and student's interest. Special provisions are made available for academically weak students.

7.3 LOWER AND UPPER LIMITS FOR CREDITS REGISTERED

A student must register for the appropriate number of credits, as mentioned in Table 5.1.

7.4 MINIMUM STUDENT REGISTRATION IN A COURSE

A course will be offered, only if a minimum of 10 students registers for the course. Under special circumstances with the prior permission of the Principal and approval of the Head of the Department course may be offered even when number of students registered is less than 10.

7.5 CREDIT MONITORING

The students must keep track of the number of credits earned and plan for completion of the prescribed number of credits for the programme. It is the responsibility of the student to inform the concerned faculty advisor and HoD in case of any discrepancies with regards to the credits earned and must get the necessary corrections done.

7.6 DROPPING, WITHDRAWAL FROM COURSES

7.6.1 Dropping of courses

A student can drop a course, without being mentioned in the grade card, on or before the specified date in the calendar of events based on the review of the student's performance in CIE by the faculty advisor. However, the criterion of minimum number of credits specified for the semester is complied with and such courses are to be completed by re-registering later. The student is not permitted to drop the re-registered course(s).

7.6.2 Withdrawal from courses

A student can withdraw from a course provided he/she,

- has satisfactory attendance in a courseat the end of a semester based on the review of the students' performance in CIE by the faculty advisors and
- has maintained minimum credits specified for the semester

However, the same will be depicted in grade card (Grade W).

A Student is not permitted to withdraw re-registered courses(s). Such course(s) are to be taken up for study and re-registered later.

7.6.3 Add/Drop

A student has the option to add or drop courses for which he/she has registered,within one week of commencement of the semester.

7.7 REJECTION OF RESULTS

There shall be a provision for rejection of total performance of a semester and re-registration for the semester. This shall be done only once in the entire course of studies. However, rejection of performance of final year project work is not permitted.

7.8TEMPORARY WITHDRAWALS AND RE-ADMISSION

A student shall be permitted to withdraw temporarily from the college based on prolonged illness, grave calamity in the family or any other serious event. The withdrawal and re-admission shall be as per the regulations/directions issued by the university.

7.9 TRANSFER OF STUDENTS

Transfer of students from any college (either Non-Autonomous or Autonomous), within Karnataka State is permitted only at the beginning of odd semester, subjected to availability of seats and as per the guidelines of VTU issued from time to time and approval by the respective BoS of the programme. The candidates seeking admission shall have to apply for establishment of equivalence with prescribed fees notified by the college.

8. ASSESSMENT AND EXAMINATIONS

The assessment of performance in a course is based on examination that a student appears. In general, examination may have different objectives, like testing of achievement, prediction, endurance, creativity and ranking. In technical education, the assessment has to be preferably of achievement-testing type, so that a student's knowledge, understanding and competence in the course studied is properly assessed and certified.

Typically, achievement-testing is done in two parts, namely Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). Both are important in assessing the achievement of a student.

Each course is assessed for 100 marks with equal weightage for CIE and SEE, i.e., 50 for CIE and 50 for SEE. The standards of passing CIE and SEE for each course registered are as given in Table 6.8.

Table 8.1: Requirement for passing a course

Evaluation Method	Passing Requirement
Continuous Internal Evaluation (CIE)	Obtained Marks $\geq$ 40% of maximum marks
Semester End Examination (SEE)	Obtained Marks $\geq$ 35% of maximum marks
Overall score for passing $\geq$ 40%	

8.1 CONTINUOUS INTERNAL EVALUATION (CIE)

25 marks for CCE: Continuous and Comprehensive Evaluation (Minimum two of the following:

Assignments, Seminars, Quizzes, Group discussion, Case studies, Design thinking, Creativity and innovation, participatory and industry-integrated learning, problem solving exercises, presentations, analysis of industry/technical/business report, reports on industrial visits, guest lectures, webinars, industrial/social/rural projects, participation in seminars/academic events/symposia, any other academic activity

25 marks for IA tests: 2 tests will be conducted and average marks obtained is considered.

8.2 SEMSETER END EXAMINATION (SEE)

8.2.1 Theory Courses

The SEE will be of 3 hours duration and evaluated for 100 marks, further scaled down to 50 marks.

8.2.2 Laboratory Courses

The SEE for laboratory courses shall be of three hours duration and evaluated for 50 marks which comprises of solving exercise/conducting experiment and viva-voce, as per the recommendation of respective BoS, with approval from AC and BoG.

8.2.3 Evaluation, Viewing of answer scripts and challenge valuation

The evaluation of SEE answer scripts is to be carried out centrally. A provision is made for a student to view the answer script. Further, a student can apply for challenge valuation, if he/she is not satisfied with the evaluation on payment of prescribed fees which will be notified separately. The provision of challenge valuation is permitted only to SEE of theory courses for regular (odd/even) semester and not permitted for either make up examination or SEE of supplementary semester.

The evaluation and result of makeup examination is final and binding. A student shall not have any right to question the evaluation nor the result of makeup examination.

Challenge evaluation is only for theory courses. If a student applies for challenge evaluation, then the maximum of marks obtained in either first valuation or challenge valuation will be considered.

8.3 PROJECT WORK EVALUATION

The CIE evaluation of the project work shall be based on the progress made by a student for the work assigned by a supervisor, periodically evaluated by him/her together with a Departmental Committee constituted for the purpose.

The project report evaluation and final viva-voce examination are conducted by a Project Evaluation Committee, as per the rubrics defined by the BEC Examination Reforms Policy Committee and approved by respective BoS, which is to be further approved by AC and BoG.

8.4 EVALUATION OF SEMINAR/TERM PAPER/MINIPROJECT/INDUSTRIAL TRAINING/FIELD WORK

The assessment in seminar, industrial training, field work and mini project shall be made as per the procedure laid down by the BoSof respective departments and approved by AC and BoG.

8.4.1. Technical Seminars

Seminar evaluation criteria:

      i.   Relevance of the topic selected in present day context
     ii.   Societal/environmental/ethical relevance of the topic
   iii.   Collection of background material
   iv.   Preparation of slides and presentation
    v.   Knowledge on the topic and report

8.4.2. Industrial Internship

The internship is an extended period of work experience undertaken by the students looking to supplement their degree with professional development. The students are allowed to prepare themselves for the workspace and develop practical skills. The internship shall be completed during the period specified in the scheme of teaching and evaluation. There will be three internships.

A candidate has to undergo an Internship of 14-20 weeks either during 7th semester or 8th semester. A group of students will go for internship during 7th semester while other group will be on the campus carrying out their project work and attending regular academics. It will be flipped for both the groups during 8th semester.

8.4.3. Mini project

A mini project is a laboratory oriented course that provides a platform to students to enhance their practical knowledge and skills by the development of small systems/applications. It will have both CIE and SEE components. Mini project carries 2 credits and is offered during 5th semester BE.

8.5   RE-EXAMINATION: There shall be no re-examination for any course to account for students who have:

      i. remained absent from attending CIE
     ii. been awarded NE grade for a course
   iii. withdrawn (Grade W) from a course
   iv. dropped a course

Such students shall be required to re-register for the course(s), attend the classes regularly and go through CIE and SEE again and thus secure a grade equal to or better than P in each case for credit courses or PP in case of mandatory courses. The re-registration shall be possible when the course is offered again either in a main (odd/even) or a supplementary semester.

8.6 SUPPLEMENTARY SEMESTER

A student of BE program will have an opportunity to register for a Supplementary Semester, which is offered after 4th semester for the courses from 1st to 4th semester, and after 8th semester for the courses from 5th to 8th semester.

Offering the course in a Supplementary Semester is not mandatory and shall depend on

the availability of human resources in respective department.

i. Registration to course(s) offered during Supplementary Semester is not mandatory but purely voluntary.
ii. A student must not wait for challenge/make up valuation results, while registering any course in Supplementary Semester.
iii. There shall be no dropping and withdrawal of any course registered in Supplementary Semester.
iv. The teaching/learning in Supplementary Semester will beat twice the speed of regular semester.
v. The valuation/result is final and binding. The candidate shall not be entertained for queries on the Supplementary Semester valuation/results.
vi. There shall be no makeup examination and challenge valuation inSupplementary Semester.
vii. No such claims can be entertained since the Supplementary Semester is an extra opportunity given to students.
viii. The students agreeing to the above-mentioned rules and regulations can only register for courses offered during Supplementary Semester.

The students who have satisfied CIE and attendance requirements for the course/s and obtained "F" grade in SEE are permitted to appear directly in ensuing examination/s as backlog paper/s. The students need not re-register for such course/s in supplementary semester. In case, the student wishes to improve CIE he/she has to re-register for supplementary semester as and when offered next.

i. The student, who obtains required attendance and CIE in supplementary semester, but obtains "F" grade in SEE is permitted to appear for SEE subsequently as backlog course/s. The student need not repeat course for attendance and CIE.
ii. The course/s, for which the student does not possess satisfactory attendance and CIE score, shall be marked as "NE" in the grade sheet. Such students are not permitted for SEE for the course/s marked as NE in grade sheet. The students have to re-register only for course/s marked as NE in supplementary/subsequent semester, whenever the course is offered and also obtain the required qualifying marks in CIE and attendance subsequently; he/she to be eligible to appear for SEE in that course/s.
iii. A student with transitional grade "W", in a course/s is also eligible to register in the supplementary semester.
iv. A student is permitted to register for a maximum of 16 credits (40 hours per week) in supplementary semester.
v. All the courses may not be offered in supplementary semester. It is the discretion of the department to offer the courses based on the availability of the resources.
vi. Supplementary semester is optional. It is for the student to make best use of the opportunity. Supplementary semester is a special semester and students cannot demand it as a matter of right.
vii. A student of BE programme will have opportunity to re-register for supplementary semester which is offered after 4th semester for courses from 1st to 4thsemester and after 8th semester for courses from 5th to 8th semester. For registering to supplementary semester, the student should complete the internship/s as notified in the college Regulations/directions. The students opting for supplementary semester between 4th and 5thsemester must comply with the missed internship requirement in the subsequent semester viz. in the gap between 5th and 6th semester.

8.7 STUDENTS' FEEDBACK

A student has to provide feedback for each course(s) he/she has registered, in the online/offline format provided, at the end of a semester. This will enable for analysis and betterment of the academic programmes.

9. AWARD OF CLASS

A student will be awarded percentage/class by converting the grade point averages viz. SGPA and CGPA, for the sake of comparison with conventional marks system followed by Universities.

Class Designation:

Class designation shall be as per VTU Regulations and notifications, for respective programmes, notified from time to time.

Conversion of CGPA into Percentage of marks and Class Equivalence

There is no formula for conversion of CGPA into the percentage of marks. However, the following procedure/method for the conversion of the CGPA on 10 point scale into the percentage of marks for employment /Higher studies, etc., to be used

Percentage (M) = CGPA x 10

Class Equivalence:

Subsequent to the conversion of final CGPA, after successful completion of the Programme, into the percentage of marks (M), a graduating student is reckoned to have passes in

     i.   First Class with Distinction (FCD),if (M) $\geq 70\%$

    ii.   First Class (FC), if $60 \leq (M) < 70$

   iii.   Second Class (SC), if $50 \leq (M) < 60$

   iv.   Pass Class (P), if $40 \leq (M) \leq 50$

10. VERTICAL PROGRESSION

Students having W, F and NE grades for the courses totaling to more than 16 credits, in the 1st and 2nd semester of the 1st year of the programme shall not be permitted to move to the 3rd semester of the Programme.

The students who fail to satisfy CIE and attendance requirements shall repeat the courses whenever offered next and become eligible for the 2nd year.

Obtaining CIE: From 3rd semester onwards, a 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 shall 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.

Completion of backlog courses:

From 3rd semester (2nd year) onwards,

a. The student who obtains required attendance, CIE, and appearing for SEE, obtains F grade, shall be allowed to move forward to the next semester (odd/even), irrespective of several F grades, subjected to the maximum duration of the course.

b. There shall be no restriction for 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), but he/she shall not be eligible to appear for SEE in those course(s). Such students shall repeat those courses, whenever offered next.

c. A students shall be given admission to the 7th semester (4th year) provided he/she passes all courses of 1st and 2nd semesters.

NOTE: A student who has not obtained eligibility for the 3rd semester, even after three academic years, from the date of admission to 1st semester, shall discontinue the program or get re-admitted to the 1st year BE (As per VTU regulations).

It is subjected to change as and when the VTU, Belagavi issues regulations for Vertical Progression from time to time.

11. ATTENDANCE REQUIREMENTS

The attendance is a mandatory requirement for the students registered to different programmes offered in the college.

11.1   ATTENDANCE RULES

(a) Minimum attendance of 85% in each course with a provision to condone 10% of the attendance by the Principal, on the basis of medical grounds, participation in NSS/NCC/Red Cross/Republic Day/Independence Day parades /University /State /National/ International Level Sports and cultural activities, seminars, workshops, paper presentations etc., of significant value. The necessary documents in support are to be submitted along with recommendations to condone the shortage.

(b) The basis for the calculation of the attendance shall be the period of term prescribed by the college in its calendar of events. For the first semester regular students and third semester lateral entry students, the same is reckoned from the date of confirmed admission to the programme/commencement of classes, whichever is later.

(c) The students are informed about their attendance status in the first week of every month by the Department/course instructor and the students are cautioned to make up the shortage of attendance, if any.

(d) A candidate having shortage of attendance in one or more courses is not permitted to appear for SEE of such courses and has to re-register that course in the subsequent semesters whenever offered.

11.2   ABSENCE DURING THE SEMESTER

(a) A student must inform the HoD/Principal, immediately for any instance of continuous absence from classes.

(b) A student who is absent due to illness or any other emergency, up to a maximum of two weeks, should approach the course teacher.

(c) A student who remains absent from a CIE due to illness or any other genuine reason should inform the course teacher and HoD immediately prior to conduction of exam and produce relevant documents from Taluka/District Health Officer(or endorsed), for the provision of compensatory test.

12. TERMINATION FROM THE PROGRAMME

A student shall be required to withdraw from the programme and leave the college (forfeit his engineering seat) on the following grounds:

(a) Absence from classes for more than six weeks, at a time in a semester, without leave of absence being granted by the competent authorities.

(b) Failure to meet the standards of discipline as prescribed by the college from time to time.

12.1 MAXIMUM DURATION FOR COMPLETION OF PROGRAMME

A student admitted to 1st semester B.E shall complete the programme within a period of eight academic years from the date of his/her first admission, failing which he/she has to discontinue from the programme.

The students through lateral entry shall complete the programme within a period of six academic years from the date of his/her first admission, failing which he/she has to discontinue from the programme.

13. AWARD OF DEGREE

A student shall be eligible for the award of degree if he/she has:

i. Fulfilled the prescribed academic requirements for the award of degree as per the University statute.
ii. No dues to the department, hostels, library, and any other functional part of the college.
iii. No disciplinary action is pending against the candidate.

The award of the degree must be recommended by the Academic Council and BoG.

13.1. B.E DEGREE

a. Students shall be declared to have completed the programme of BE/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 within the permitted maximum duration.

b. For the award of degree, completion of bridge course, if any, as applicable is compulsory.

c. Mandatory Earning of Activity points:

S.No.	Students Category	AICTE Activity points
1.	Regular students admitted to 4-year Degree program	100
2.	Student entering 4 years degree programs through lateral entry	75
3.	Students transferred from other Universities to fifth semester	50

13.2 B.E (HONOURS) DEGREE

A student shall be declared to have completed the B.E degree programme and be eligible to get undergraduate (B.E) degree with Honours, provided:

i. A student has undergone the stipulated coursework of all semesters under the same scheme of teaching & examination and has earned the prescribed number of credits, passed all the mandatory courses and earned AICTE Activity Points.
ii. Has earned additional credits as prescribed by VTU Belagavi, through university approved online courses and approved by BoS or respective departments, AC &BoG.
iii. Satisfies the VTU Regulations governing the award of Honours at B.E degree programmes.

13.2.1. ELIGIBILITY CRITERIA FOR REGISTRATION

Every student intending to register for the Honours qualification shall fulfill the following academic requirements:

a. Registration to Honours degree shall start from fifth semester onwards.

b. After registration a student shall have obtained a grade ≥ C in all the credit courses and passed mandatory courses, in the first attempt only, in all the semesters until this stage.

c. The students registering for Honours degree shall have obtained a CGPA ≥ 7.50 at the end of the fourth semester.

d. The lateral entry Diploma students shall have completed Bridge Course Mathematics I and II and other mandatory courses (Environmental Studies and Constitution of India) during third and fourth semester, in first attempt only.

e. The lateral entry B.Sc. students shall have completed Computer Aided Engineering Graphics and Engineering Mechanics and other mandatory courses (Environmental Studies and Constitution of India) of first year Engineering programme by the end of the fourth semester in first attempt only.

13.2.2 REGISTRATION PROCEDURE

a. Any student meeting the eligibility criteria specified above and intending to register for the Honours degree/qualification shall apply to the University through the Principal, in the prescribed form along with the requisite application fees paid, within 15 working days after notification by the University.

b. If registered, the students shall pay a one-time non-refundable registration fee as prescribed by the University to confirm the registration.

13.2.3. ADDITIONAL COURSEWORK

a. In addition to the courses prescribed by the university to be completed successfully in the remaining semesters, i.e., fifth to eighth for relevant degree award, each student registered for the Honours qualification shall have to take up the course work as notified by the university from NPTEL and other platforms and complete each course work successfully, irrespective of the number of attempts, with a final score (online assignment: 25% + proctored examination: 75%), leading to NPTEL elite (60 to 75%) / elite plus silver (76 to 89%) / elite gold (≥ 90%) certificate, within the minimum prescribed duration for the award of degree.

b. Students shall be permitted to drop the registered course work(s) and select alternative course work(s) in case they cannot appear for proctored examination(s) or complete the examination.

c. The university shall announce the BoS approved list of MOOCs (chosen from NPTEL/SWAYAM/other platforms), corresponding to each Engineering programme.

d. The university shall have the freedom to review and approve additional online platform from time to time.

i. Students shall choose online courses totaling to 18 or more credits from the bouquet of approved online courses.

ii. Students shall select in consultation with the concerned faculty advisor, MOOCs such that the content/syllabus of the chosen course are not like that of the programme's first to eighth semester core courses, professional electives, or open electives that the student chooses at later semesters of the programme. In case of violation, the credits earned by the students in such course(s) shall not be considered for the summation of prescribed 18 or more credits and hence for the award of Honours degree.

e. The students shall earn the credit by only appearing in person to the proctored examination conducted by NPTEL/SWAYAM/other platform.

f. The method of assessment shall be as per NPTEL online platform.

g. The number of credits registered in a semester, including the regular courses and NPTEL courses, should not exceed 28.

h. The credit equivalent for online NPTEL courses shall be determined based on the following table:

Table 14.1: Assigned credits

Online course duration	Assigned credits
04 weeks	01
08 weeks	02
12 weeks	03

13.2.4 AWARD OF HONOURS DEGREE/QUALIFICATION

All the students who successfully complete the online courses, as prescribed by the University, and submit their certificates to the University, through Principal, against the notification issued by the Registrar (Evaluation), in time, before closure of eighth semester as per calendar, shall be eligible for the Honours Degree/qualification.

a. The HoD of the respective department shall submit the list of students through Principal, to VTU Belagavi, who are eligible for the award of Honours degree along with the total credits earned by each student and the corresponding MOOC certificates to the university.

b. The list shall be validated by the faculty advisor of the students under consideration and endorsed by the HoD.

c. The Students, who do not submit certificates on or before the last date, prescribed by the university, shall not be considered for the award of Honours qualification, irrespective of the number of credits earned by them. However, they shall be awarded only B.E degree.

d. The Honours qualification shall be suffixed to the respective degrees and shown in the degree certificate as recognition of higher achievement by the student concerned.

e. The CGPA earned by the students shall be only based on the students' performance in the various semester level examinations conducted by the college.

(i) Students shall maintain a grade ≥ D in all the courses of fifth to eighth semester, in the first attempt only.

(ii) Students failing to maintain a grade ≥ D in all the courses of fifth to eighth semester, in the first attempt only, shall discontinue the attempt the additional credits.

(iii) The Students not having CGPA ≥ 8.50 at the end of programme shall not be eligible for the award of Honours, even if they have satisfied the additional credits consideration prescribed for Honours degree.

(iv) The Principals of respective colleges shall submit to the university the list of students who fails to satisfy the criterion (i) from time to time.

(v) The Registrar shall notify the de-registered students from time to time.

f. The Honours degree shall be awarded only if the CGPA at the end of B.E programme≥ 8.50

g. Additional credits earned through NPTEL shall not be considered for CGPA of B.E programme as well as rank declaration

h. The award of the Honours degree shall be recommended by the Academic Senate and approved by the Executive Council of VTU Belagavi

13.3 B.E. Minor Degree

Students shall be declared to have completed the programme of B.E./ B.Tech., degree and shall be eligible to get undergraduate B.E. / B.Tech., degree with Honours, provided.

i. The students have undergone the stipulated Course work of all the semesters under the Scheme of Teaching & Examinations and have earned the prescribed number of 160 credits for students admitted to 1st semester B.E and 120 credits for students admitted to 3rd semester.

ii. Has earned additional 18 or more credits through University approved Courses, approved by BoS of respective department, AC and BoG.

13.4 AWARD OF GOLD MEDALS AND RANKS

A student shall be eligible for the award of Gold medal or Rank if he/she has:

- Passed all courses in First Attempt (No X, I, W, F,NE Grades, NP in mandatory courses and should not have dropped a course)
- Secured Highest CGPA
- CGPA is considered from third semester to eighth semester.

The Gold medals and ranks are decided by Rank Awarding Committee based on the approved norms and the committee's decisions are final and binding on all stakeholders.

13.5 GRADUATION CEREMONY

Degree will be awarded in person for the students who have graduated during the preceding academic year. Degrees will be awarded in absentia to such students who are unable to attend the Graduation Ceremony. Students are required to apply for the graduation ceremony along with the prescribed fees, after having satisfactorily completed all the degree requirements within the specified date to arrange for the award of the degree during graduation ceremony.

The graduation ceremony for the award of degrees to the students completing the prescribed academic requirements in each case will be in consultation with the university by following the provisions of the statute of VTU. The Graduation ceremony will be conducted at Basaveshwar Engineering College, Bagalkote.

14. DISCIPLINE ON CAMPUS

a. Use of mobile phones (Cell Phone) is strictly prohibited in the academic areas. If any student is found using mobile phones in the campus, his/her mobile phone will be confiscated, and the student will be penalized.

b. The vehicle speed should not exceed 30 km/hr and blowing of horn in the campus is prohibited.

c. Smoking, chewing, and spitting and use of tobacco in any form are strictly prohibited in the campus and within 100 m from the boundary of the campus. If found guilty will attract punishment/Penalty

d. Eve teasing by the students is strictly prohibited and will attract severe punishment.

e. Misbehaving with faculty/staff will be viewed seriously and will lead to punishment/legal action.

f. Sale of tobacco and derived products within 100m from the boundary of the campus is strictly prohibited.

g. Possession, consumption or distribution of alcoholic drinks, narcotic drugs, or any kind of hallucinogenic drugs is punishable as per the prevailing laws.

h. Hacking into college computer systems (such as entering other person's area without prior permission, manipulation and/or damage of computer/hardware and software or any other cybercrime)/Campus Network/Campus Servers is liable for punishment.

i. Messaging/sending/possession of objectionable material using IT infrastructure is banned, if found guilty will attract severe punishment.

j. Noisy and unruly behavior disturbing studies of fellow students is liable for punishment.

k. Plagiarism of any nature is prohibited.

l. Unauthorized fund raising and promotion of sales of any kind is prohibited.

m. Causing damage to college and hostel properties for any reason and any form is considered as an offence and will be punished /penalized according to prevailing rules.

Commensurate with the gravity of offence, the punishment may be reprimand, expulsion from the hostel, debarring from the examination, disallowing the use of certain facilities of the college, rustication for a specified period or even out right expulsion from the college or even handing over the case to appropriate law enforcement authorities or the judiciary as required by the circumstances and decided by the Principal/Committee constituted by Principal.

15. EXAMINATION MALPRACTICES

Any student appearing for the examination (CIE and SEE) is liable to be charged with committing malpractice in the following cases:

1) Being in possession of any written material (either print or hand written) portions a book, programmable calculator or any other material or matter, which is not permissible to be brought into the examination hall.

2) In case found with any written matter on scribbling pad, question paper, admission ticket, calculator, palm, hand, leg, or any part of the body, handkerchief, clothes, socks, instrument box, identity card, scales etc.

3) Disclosing identity in SEE answer script by writing any peculiar word/symbol or by writing USN on the pages other than the block meant for USN on cover sheet

4) Copying any matter or answer of another candidate or similar aid or if assistance is rendered to another candidate.

5) Communicating with any candidate or any other person inside or outside the examination hall or assist in writing answer.

6) Request/represent of any offer/threat for inducement of bribery to room superintendent/any other official for favors or to the examiner in the valuation of answer script(s).

7) Smuggling out or in or tearing of the answer script/supplementary sheets or inserting papers not issued by invigilator, written outside the examination hall into the answer book or running away along with the answer script from the examination hall or premises.

8) Impersonation to answer in his/her place in the examination hall.

9) Bringing mobile phone/smart gadget to the examination hall

10) Unruly behavior inside or near the examination hall.

11) If a student is found copying or communicating with the others during examinations and later identified in the recording captured through surveillance camera placed in the examination hall, will be referred to MPCC committee.

The students booked under malpractice will be referred to Malpractice Case Consideration Committee (MPCC) for suitable disciplinary action. For any of these malpractices mentioned above the disciplinary/ punitive action recommended by the MPCC is final and binding.

The guidelines for recommending penalties and punishments to the students involved in Malpractices during college examinations shall be as given in the table below.

Sl. No.	Nature of Malpractice	Penalty / Punishment to be imposed
1.	a. Misbehavior with officials using obscene or abusing language. b. Writing the subject related matter on the question paper, admission ticket, desk, scribbling pad, Calculator, hand kerchiefs, cloths, socks, instrument box, identity card, hall ticket, scales, or any part of the body etc. c. Disclosing identity by writing any words or by making any peculiar marks or by writing USN on the pages other than the facing sheet in the answer scripts. d. Possession of Electronic gadgets like mobile, programmable calculator, pen drive or any other smart gadget in the examination hall. e. Communicating with any student or any other person inside or outside the examination hall with a view to take assistance or aid to write answers in the examination. f. Copying from the material or answer of another student or assistance is rendered to another student within the examination hall. g. Making any request of representation or inducting tobribery to Room Superintendent or and any other official or officer of the college for favors in the examination hall or to the Examiner in the answer script. h. Approaching directly or indirectly the teachers, officers, officials, or examiners or bring about undue pressure or influence upon them for favor in the examination. i. Smuggling out or smuggling in or tearing off the answer script sheets or supplementary sheets or inserting paperswrittenoutsidethe examination hall into the answer book. j. Receiving material for copying from outside or inside the examination hall	a. Material not related to the paper: Fine of Rs. 2,500 and denial of performance of that particular paper in which the student is booked under Malpractice, and the student has to re-register after a gap of one regular semester. No re-registration of that paper is permitted in supplementary semester. b. Material related to the paper but not written: A fine of Rs. 5,000 and denial of benefit of performance of that particular paper and the student has to re-register after a gap of two regular semesters. No re-registration is permitted in supplementary semester. c. Material related to the paper but written: A fine of Rs. 7,500 and denial of benefit of performance of that particular Examination (all the courses for which the students has registered for the examinations). He can re-register after two regular semesters. No re-registration is permitted in supplementary semester. The MPCC shall recommend the punishments based on the severity of the case and the severity of the case shall be recorded.

	k. Bringing into the examination hall or being found in possession of portions of a book, manuscript, or such other material or matter. l. Destroyinganyevidenceof malpractice, tearing, or mutilating the answer script or running away along with the answer scriptfrom the examination hall orpremises. Committing any other act of omission intending to gain an advantage or favor intheexamination by misleading, deceiving, or inducing the examiner or officers or authorities of the college.	
2.	Repeatedly indulging in malpractice	Fine of Rs. 10,000, and the student has to re-admission after a gap of three regular semesters.
3.	a. Impersonating or allowing any other person to impersonate to answer in him/her place in the examination hall. b. Threatening with weapons or any other means to the Room Superintendent, Members of the Flying Observers, and officers/officials of the examination centers.	A fine of Rs. 50,000, and the student is suspended for admission/re-registration of all courses, for next two years. In case of impersonation, both of them will be handed over to the Police for further investigation.

In general,

1. The punishments shall be uniform and commensurate with the gravity of offence covered under Malpractice for all the students committing similar offences.
2. Malpractice and punishments imposed on the student shall invariably be intimated to theconcerned parents in writing by the Principal.
3. Rejection of performance of the examination shall not be permitted for the students who are punished for Malpractice(s).
4. The student punished under Malpractice(s) shall not be eligible to take admission to the next higher semester, till the completion of redeeming of the punishments imposed on him/her.
5. In case a student remains absent for the MPCC meeting along with the parents/guardian the fine amount will be doubled by the committee and is the binding on the student.

16. RAGGING AND CONSEQUENCES

As per the order of Honorable Supreme Court of India, ragging in any form is considered as a criminal offence and is banned by UGC and AICTE. Any form of ragging will be severely dealt with. Ragging in any forms is strictly prohibited in the college campus and students found involved in ragging activities within and outside the campus will be severely punished. Students shall conduct themselves within and outside the premises of the college, in a manner befitting the students of an Institution of National Importance. The college has implemented the UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009" in the letter and spirit.

As per the UGC regulations the punishable acts of ragging are as listed below.

Punishable ingredients of Ragging:

- Abetment to ragging
- Criminal conspiracy to ragging
- Unlawful assembly and rioting while ragging
- Public nuisance created during ragging
- Violation of decency and morals through ragging
- Injury to body, causing hurt or grievous hurt
- Wrongful restraint or confinement
- Use of criminal force
- Extortion
- Criminal trespass
- Offences against property
- Assault as well as sexual offences or unnatural offences
- Criminal intimidation
- Attempts to commit any or all the above-mentioned offences against the victim(s)

16.1 MEASURES OF PROHIBITION AND PREVENTION OF RAGGING

- Ragging in all its forms shall be completely banned in the entire institution, including its departments, constituent units, all its premises (academic, residential, sports, canteen, etc.) whether located within the campus or outside and in all means of transportation of students whether public or private.
- The institution shall take strict action against those found guilty of ragging and/or of abetting ragging.
- A student seeking admission to the hostel shall have to submit additional undertaking in the form of Annexure I along with his/her application for hostel accommodation.
- At the commencement of the academic session the Head of the Institution shall convene and address a meeting of various functionaries/agencies, like Hostel Wardens, representatives of students, parents/guardians, faculty, district administration including police, to discuss the measures to be taken to prevent ragging in the Institution and steps to be taken to identify the offenders and punish them suitably.

The institution shall request the media to give adequate publicity to the law prohibiting ragging and the negative aspects of ragging and the institutions resolve to ban ragging and punish those found guilty without fear or favor.

- The institution shall identify, properly illuminate, and man all vulnerable locations.

- The institution shall tighten security in its premises, especially at the vulnerable places. If necessary, intense policing shall be resorted to at such points at odd hours during the early months of the academic sessions.

- The institution shall also organize joint sensitization programmes of freshers and seniors.

- Freshers shall be encouraged to report incidents of ragging, either as victims, or even as witnesses.

- **Anti-Ragging Committee:** Anti-Ragging Committee shall be headed by the Principal and shall consist of representatives of faculty members, parents, students belonging to the freshers' category as well as seniors and non-teaching staff. It shall monitor the anti-ragging activities in the institution, consider the recommendations of Anti-Ragging Squad and take appropriate decisions, including spelling out suitable punishments to those found guilty.

- The Anti-Ragging Squad: The Anti-Ragging Squad shall be nominated by the Head of the institution with such representation as considered necessary and shall consist of members belonging to the various sections of the campus community. The Squad shall have vigil,

oversight, and patrolling functions. It shall be kept mobile, alert, and active always and shall be empowered to inspect places of potential ragging and make surprise raids on hostels and other hot spots. The Squad shall investigate incidents of ragging and make recommendations to the Anti-Ragging Committee and shall work under the overall guidance of the said Committee.

- Freshers who do not report the incidents of ragging either as victims or as witnesses shall also be punished suitably.

- The burden of proof of ragging or otherwise shall lie on the perpetrator of ragging and not on the victim.

- The institution shall file an FIR with the police/local authorities whenever a case of ragging is reported but continue with its own enquiry and other measures without waiting for action on the part of the police/local authorities. Remedial action shall be initiated and completed within the one week of the incident itself.

- The Migration/Transfer Certificate issued to the student by the institution shall have an entry, apart from those relating to general conduct and behavior, whether the student has been punished for the offence of committing or abetting ragging, or not, as also whether the student has displayed persistent violent or aggressive behavior or any inclination to harm others.

- Preventing or acting against ragging shall be the collective responsibility of all levels and sections of authorities or functionaries in the institution, including faculty, and not merely that of the specific body/committee constituted for prevention of ragging.

- The institution shall set up appropriate committees including the course-in-charge, student advisor, Warden, and some senior students to actively monitor, promote and regulate healthy interaction between the fresher's and senior students.

Fresher's welcome parties shall be organized in each department by the senior students and the faculty together soon after admissions, preferably within the first two weeks of the beginning of the academic session, for proper introduction to one another and where the talents of the fresher's are brought out properly in the presence of the faculty, thus helping them to shed their inferiority complex, if any, and remove their inhibitions.

Every student and his/her parent have to submit an undertaking in the prescribed form (given in annexure II) that the student/ ward will not involve in ragging as per the UGC / AICTE guidelines. If the student is found involved in ragging activities, commensurate with the gravity of offence, the punishment may be reprimand, expulsion from the hostel, debarment from an examination, disallowing the use of certain facilities of the College, rustication for a specified period or even outright expulsion from the College, or even handing over the case to appropriate law enforcement authorities or the Judiciary, as required by the circumstances.

Interpretation

1. Any question as to the interpretation of these regulations shall be decided by the college, whose decision shall be final and binding on all the stakeholders. The college shall also have the power to issue clarifications to remove any doubt, difficulty or anomaly which may arise in regard to the implementation of these regulations.

2. These regulations should be read as a whole for the purpose of any interpretation. In case of any doubt or ambiguity in the interpretation of the above guidelines, the decision of the Principal is final.

3. The college may change or amend these regulations at any time and the changes or amendments made shall be applicable with effect from the date notified by the college.

19. ACADEMIC BANK OF CREDITS

It is a National level facility that will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the higher educational institutions in the country with an appropriate credit transfer mechanism.

20. MULTIPLE ENTRY MULTIPLE EXIT

1) Certificate in Respective Programmes of Engineering A student who exit at the end of II year of the programme shall be awarded a certificate, if he/she successfully passes the registered courses and earns:

(i) At least 50% of the credit requirements of B.E./B.Tech. programme. (i.e. 80 credits) However, it is 25% for lateral admission candidates (i.e. 40 credits).

(ii) Atleast 50% of the programme professional core courses (some specific courses may be specified, so the leaving student has decent skills), and (iii) A minimum CGPA of 5.0.

2) B.Sc. in Respective Programmes of Engineering A student who exit the end of III year of the programme shall be awarded a B.Sc. degree, if he/she successfully passes the registered courses and earns:

(i) Atleast 75% of the credit requirements of B.E./B.Tech. programme (i.e. 120 credits); and completed atleast 3 years (80 credits and 2 years respectively for lateral admission candidates) in the programme.

(ii) 100% of programme professional core courses

(iii) A minimum CGPA of 5.0. With B.Sc., the student is eligible for entry into programmes which take B.Sc. as eligibility criteria.

Annexure - I

UNDERTAKING

I, _____, Student of _____bearing USN_____, Boys hostel/Ladies Hostel, Bagalkote, in connection with my stay in the hostel, I hereby give undertaking to the Hostel management of Basaveshwar Engineering College Boys Hostel/Ladies Hostel, Bagalkote

1. I will follow the rules and regulations of the Hostel and maintain hostel discipline.
2. I will not indulge in any unlawful activities like ragging within college and hostel premises.   I have been informed by the management about the consequences if I involve in ragging.
3. I will not cause any loss/damage to the hostel properties for any reason.
4. I will not behave within the hostel premises in a way which may cause disturbance to the hostel mates.
5. I will clear my mess bills every month before the due date specified without fail. If I fail to do so I am aware that I will be denied themes facilities.
6. I will not use water Heaters/Heating coils/Gas cylinders/Electrical iron box/any electrical equipment my room without prior permission of the Hostel Warden.
7. I will not allow any student, who is non-resident of my hostel, to stay in my room without prior permission of the Hostel Warden.
8. I will not celebrate or involve in celebration of Birthday parties or any such parties which are not permitted by the management within the hostel premises.
9. I have been informed by the management that I have to be inside the hostel every day before 07:30PM. If l need to stay beyond 07:30PM outside the hostel I will seek the permission of Hostel Warden for the same.
10. It will be solely my responsibilityof any valuables like cash/gold/mobile phones/watch luggageetc., and the hostel management will not be responsible for the loss/theft of any of such valuables.
11. I will conduct myself in a decent manner and behave politely with hostel staff and wardens.
12. I will not consume alcohol, narcotic drugs, or any prohibited intoxicating drugs within the hostel premises.
13. I will attend any meetings called by the Warden without fail.
14. I will vacate my room at the end of every even semester.
15. I have paid the hostel fees which will permit me to use the hostel facilities for two regular semesters only. If l want to use hostel facilities for the days other than the two regular semesters specified, I will pay whatever extra fees as fixed by the management.

I agree to the conditions laid down by the Hostel management, and I stick to the undertaking given by me as mentioned above. I accept the decisions taken by the management against me for any violation of the undertaking given by me.

Place: Name of Student   : _____

Date: Signature of Student   : _____

ANNEXURE II

UNDERTAKING BY THE CANDIDATE/STUDENT

I, --S/o or D/o of

Mr/Mrs/Ms. --

have carefully read and fully understood the law prohibiting ragging and the directions of the Supreme Court and the Central/State Government in this regard.

I have received a copy of the UGC Regulations on Curbing the Menace of Ragging in Higher Educational Institutions, 2009, and have carefully gone through it.

I hereby undertake that,

9.1.1   I will not indulge inane behavior or act that may come under the definition of ragging,

9.1.2   I will not participate in or abet or propagate ragging in any form,

9.1.3   I will not hurt anyone physically or psychologically or cause any other harm.

9.1.4   I hereby agree that if found guilty of any aspect of ragging, I may be punished as per the provisions of the UGC Regulations mentioned above and/or as per the law in force.

9.1.5   I hereby affirm that I have not been expelled or debarred from admission by any institution.

Signed this _____day of _____Monthof _____year.

Signature

Name:

Address: