



BVV Sangha's

## **BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS)**

(Institution permanently affiliated to Visvesvaraya Technological University Belagavi, Approved by AICTE,  
Accredited by NBA and NAAC with A grade, ranked 191 by NIRF at National Level)

S. Nijalingappa Vidyanagar, Vidyagiri, **BAGALKOT -587 102**

# **BEC REGULATIONS**

## **2019-20**



College selected for TEQIP-I, TEQIP-II and TEQIP-III  
A World-Bank Supported Project Implemented by MHRD, Government of India

### **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.

## I. 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, amended in 2018
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
PGCET	PG Common Entrance Test of Karnataka conducted by Karnataka Examination Authority (KEA) for admission to M. Tech.
BEC	Basaveshwar Engineering College (Autonomous) Bagalkot
BoG	Board of Governors
AC	Academic Council
Principal	Principal, Basaveshwar Engineering College, Bagalkot
CoE	Controller of Examinations
HoD	Head of Department
BoS	Board of Studies
USN	University Seat Number
CSN	College Serial Number
UG	Undergraduate programme
PG	Postgraduate programme
BE	Bachelor of Engineering
M.Tech	Master of Technology
MCA	Master of Computer Applications
MBA	Master of Business Administration
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

## DEPARTMENT CODES

The academic departments/sections of the college are encoded as in Table II.1. These codes are used while providing codes for subjects/ labs.

**Table- II.1 Department Codes**

<b>Code</b>	<b>Name of the Department/section</b>
<b>Undergraduate Programmes</b>	
CV	Civil Engineering
ME	Mechanical Engineering
EE	Electrical and Electronics Engineering
CS	Computer Science and Engineering
EC	Electronics and Communication Engineering
EI	Electronics and Instrumentation Engineering
IP	Industrial and Production Engineering
AU	Automobile Engineering
IS	Information Science and Engineering
BT	Biotechnology
<b>Basic Science Departments</b>	
PH	Physics
CH	Chemistry
MA	Mathematics
HS	Humanities and Social Sciences
<b>Post Graduate Programmes</b>	
CA	Master of Computer applications
BA	Master of Business Administration
EV	Environmental Engineering( Civil)
SE	Structural Engineering( Civil)
GT	Geo-technical Engineering( Civil)
ES	Power and Energy Systems (Electrical)
MD	Machine Design (Mechanical)
PT	Production Technology (Mechanical)
CS*	Computer Science and Engineering (CSE)
EC*	Digital Communication Engineering (ECE)

\*Same as Undergraduate Programmes

## CODES FOR THE NATURE OF THE SUBJECTS

The Choice Based Credit System (CBCS) mandates a student to study different categories of subjects. The codes employed to indicate the subject category are listed in Table II.2.

**Table-II.2 Codes indicating the category of the subjects**

<b>Code Employed</b>	<b>Category of Subjects</b>	<b>Description</b>
C	Core	The subjects are to be compulsorily passed by the students and are core to the respective programme
H	Humanities and Social Science	The subjects are of humanities and Social Science Category considered as core subjects
E	Elective	The subjects are electives
N	Open Elective	Used for open/other elective (interdisciplinary)
L	Laboratory	The Laboratory courses are to be compulsorily passed and considered as core subjects
M	Mandatory	The subjects of this category are to be mandatorily passed with 'PP' grade and are not assigned any credits
P	Project Work	Refers to project work related to his/her discipline, can be interdisciplinary
S	Seminar	Refers to seminar on advanced, relevant topics
T	Term Paper	Refers to the Term Paper on research area/technology/other related work
I	Industrial Training	Refers to Industrial Training/Internship
A	Audit	Audited subjects, credits earned and grade points are not considered for SGPA and CGPA calculation
K	Compulsory	The subjects which are to be studied by the student and no evaluation / grade for these subjects.

## SUBJECTS NUMBERING SCHEME

Every course is given a code using a string of seven alpha-numerical. The characters in every position have the significance as shown below:

<b>Typical Subject Code</b>	U	C	S	5	0	1	C
<b>Position</b>	1	2	3	4	5	6	7
<b>Description</b>	Level of Programme U:Undergraduate P:Postgraduate	Academic Department/ Section From table II.1		Semester of the programme *	Unique number of the Subject		Category of the subject from Table II.2

\*The semester of the programme is not mentioned for elective subjects. These electives can be taken at any semester.

## UNIVERSITY SEAT NUMBER (USN)

It is unique number assigned to each student who registers for a programme, in the college, during first year by the university. This number is valid for all the student transactions in the college and continues till the award of the degree.

The Format of USN for UG Programmes is as follows.

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

The format of USN for PG Programmes is as follows

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

## COLLEGE SERIALNUMBER (CSN)

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

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

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## **1.0 PREAMBLE**

- 1.1 The regulations contained herein are common to all UG Programmes, PG Programmes, PG Diploma Programmes and Certification courses conducted at Basaveshwar Engineering College (Autonomous), Bagalkot, and shall be called "BEC Regulations" 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 on all matters shall be final and binding on all stakeholders.
- 1.4 In order 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 be later 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 described in section II are used in BEC regulations.

## 2.0 PROGRAMMES OFFERED

### 2.1. Programmes under Autonomous Scheme

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

- A) Bachelor of Engineering (B.E.)

**Table 2.1: B.E Programmes**

Sl. No.	Programmes	Duration
1.	Civil Engineering	4 Years (3 Years for lateral entry)
2.	Mechanical Engineering	
3.	Electrical and Electronics Engineering	
4.	Computer Science and Engineering	
5.	Electronics and Communication Engineering	
6.	Electronics and Instrumentation Engineering	
7.	Industrial and Production Engineering	
8.	Automobile Engineering	
9.	Information Science and Engineering	
10.	Biotechnology	

- B) Master of Technology (M.Tech)

**Table 2.2: M.Tech. Programmes**

Sl. No.	Specialization	Department	Duration
1.	Structural Engineering	Civil Engineering	2 Years
	Geo-technical Engineering		
	Environmental Engineering		
2.	Production Technology	Mechanical Engineering	
	Machine Design		
3.	Computer Science and Engineering	Computer Science and Engineering	
4.	Digital Communication	Electronics and Communication Engineering	
5.	Power and Energy Systems	Electrical and Electronics Engineering	

- C) Master of Computer Applications (MCA) Duration: 3 Year, (2 Years for Later Entry).  
 D) Master of Business Administration (MBA) Duration: 2 Years.  
 E) Certification courses.  
 F) Diploma Courses

2.2 Programmes under Non-Autonomous scheme: In addition to the programmes mentioned above, some non-autonomous programmes affiliated to VTU are offered. These include the following:

- M.Sc (Engg) by Research, Duration 2 years



- Doctor of Philosophy (Ph.D) (refer Table 2.3)

**Table 2.3: List of Research Centers recognized by VTU, Belagavi offering M.Sc. (Engg) and PhD.**

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

The first five departments in Table 2.3 also offer PhD Programme under AICTE Quality Improvement Programme (QIP) to faculty of various engineering colleges.

### **3.0 ADMISSION**

3.1 Admission to UG and PG 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 casts 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 and PG programmes will be made in the odd semester of each academic year, at the first year level. (Refer Eligibility section for details).

3.3 Admissions are offered to NRI and other candidates under management quota in accordance with the rules framed by GOK, from time to time, applicable for such admissions.

3.4 The College admits Diploma students, allotted through KEA, directly to the Third semester of the BE Programme, as per GOK rules.

3.5 Transfer of students can be affected as per the guidelines issued by VTU and subject to approval from the University.

3.6 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 time after admission, if it is found that a candidate had 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 and PG programmes shall 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.

## **4.0 ELIGIBILITY FOR ADMISSIONS**

### **A) BACHELOR OF ENGINEERING (B.E.)**

- 4.1 Admission to first year (I semester) Bachelor 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.
- 4.2 The candidate shall have secured the percentage of marks not less than that prescribed by the Council and GOK to the different categories of students as applicable.
- 4.3 Admission to second year (III semester) Bachelor Degree in Engineering (Lateral Entry) shall be open to the candidates 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 relevant Government order, issued from time to time and as per the rules specified by GOK from time to time. Such candidates shall clear the prescribed bridge courses specified by the College.
- 4.4 Those candidates 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 have to obtain eligibility certificate from VTU, Belagavi, for seeking admission to degree programme.

## **B) POSTGRADUATE PROGRAMMES**

4.5 Admission to M.Tech Programme in various disciplines will be open to BE graduates from relevant branch of engineering who have secured not less than the prescribed percentage of marks, notified by the GOK and University. Further the candidates should have appeared a recognized common entrance test such as PGCET/GATE.

4.6 Admission to MCA programme will be open to graduates of any degree who has passed mathematics at XII or degree level and has secured not less than the prescribed percentage of marks, notified by the GOK and University. Further the candidates should have appeared a recognized common entrance test such as PGCET/KMAT.

4.7 Admission to MBA programme will be open to graduates of any degree who has secured not less than the prescribed percentage of marks, notified by the GOK and University. Further the candidates should have appeared a recognized common entrance test such as PGCET/KMAT.

## **5.0 ACADEMIC CALENDAR**

Basaveshwar Engineering College (Autonomous), Bagalkot has adopted the semester scheme to impart education in all its academic programmes, including BE, M.Tech, MCA, MBA, Certificate and Diploma Programmes.

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

- Three semesters are offered every year: Two main semesters and one supplementary semester.
- The main semesters are: odd and even, typically of 19 weeks duration which includes registration, coursework, examination and announcement of results.
- One Supplementary semester of 8 weeks duration is offered every year after the even semester, primarily to assist weak and/or failed students. Also value addition and add-on courses are offered in this semester for the benefit of the students
- In the main semester there shall be various provisions for the students such as:
  - i. Registration of the course sat the beginning of the semester.
  - ii. Counseling.
  - iii. Dropping of courses as per the date mentioned in the academic calendar.
  - iv. Withdrawal from the courses towards the end of the semester as per the date

mentioned in the academic calendar.

These provisions have to be judiciously used under the advice of faculty counselors

- Assessment and evaluation is 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 provided for students after each main semester.
- In Supplementary semester only those courses which the departments offer, can be registered. The subjects to be offered are at the discretion of the department/ College.
- 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**

Semester	Programme	Min (Credits)	Max (Credits)	Maximum Contact Hrs per week
EVEN/ODD	BE, M.Tech, MCA	16	28	40
	MBA	20	30	40
SUPPLEMENTARY	BE, M.Tech, MCA	-	Four (04) heads (including mandatory subject) and total credits not exceeding sixteen(16)	
	MBA	-	16	40

- The scheme and syllabus of all the semesters in each programme is prescribed by the respective BOS of each department with the approval of AC and BOG.
- The course works, to be registered for the first year BE, is prescribed by the joint BOS with the approval of AC and BOG.

## **6.0 CHOICE BASED CREDIT SYSTEM (CBCS)**

The college follows choice based credit system for teaching and evaluation of its academic programmes. Each program is associated with a fixed number of credits. The programmes are defined by their credit requirements, as given below:

### **6.1. DURATION AND CREDITS**

Table 6.1 (a) shows the duration and the number of credits prescribed for different programmes.

**Table 6.1(a): Total number of credits to qualify for degree/diploma/certificate award**

Programme		Normal Duration in years(Semesters)	Total number of credits to be earned
UG Degree	B. E.	4.0 (8)	175
	B. E. (Lateral Entry)	3.0 (6)	135
PG Degree	M. Tech.	2.0 (4)	88
	M. B. A.	2.0 (4)	100
	M. C. A.	3.0 (6)	132
	M. C. A. (Lateral Entry)	2.0 (4)	88
Diploma (UG/PG)		1.0 (2)	44
Certificate		0.5 (1)	22

For B.E. programmes, the total credits are distributed over the different subject areas. Table-6.1(b) shows suggested distribution of subjects amongst different subject areas and in each case at BEC.

**Table 6.1(b): Typical course/credit distribution for a BE Degree program**

Course Category	% of total Credits		Suggested number of credits
	Minimum	Maximum	
Humanities, Social Sciences and Management Courses (HSMC)	5	10	10
Basic Sciences (BSC)	10	20	28
Engineering Sciences (ESC)	10	20	20
Professional Courses (PCC) - Core	30	40	64
Professional Courses (PEC) - Elective	10	15	20
Other Open Elective Courses (OEC)	5	10	9
Project work (PROJ)	10	15	24
Total			175

## 6.2 PG PROGRAMMES

The total credits for the M.Tech/MCA/MBA programmes are divided over the following four categories and distributed as shown in the Table 6.2(a), (b) and (c) respectively.

**Table 6.2(a): Typical course/ credit distribution for M.Tech Programme**

Course Category	% of Total Credits		Suggested No of Credits
	Minimum	Maximum	
Professional Core Courses	15	25	22
Professional Electives	25	35	30
Project	30	45	30
Seminar/ Internship Field work	05	10	06
	-	<b>Total</b>	<b>88</b>

**Table 6.2(b): Typical course/ credit distribution for MCA Programme**

Course Category	% of Total Credits		Suggested No of Credits
	Minimum	Maximum	
Core Courses	40	55	60
Electives	20	35	32
Seminar	02	10	05
Internship and Project work	20	35	35
		<b>Total</b>	<b>132</b>

**Table 6.2(c): Typical course/ credit distribution for a MBA Programme**

Course Category	% of Total Credits		Suggested No of Credits
	Minimum	Maximum	
Core Courses	45	60	50
Electives	20	35	25
Seminar	02	10	05
Project / Internship and Fieldwork	10	25	20
		<b>Total</b>	<b>100</b>

### 6.3 SUBJECT CONTENT DESCRIPTION

Subject content description consists of Subject Code, Title of the Subject, Credits and Description of the Content. An example is given below:

**UCS502E:** Introduction to Database Systems, 4 credits, (4-0-0) Importance of the database Systems. E-R Model, Three database models, Representation and Evaluation of Relationships, Relational database Model, Functional dependencies, Multi valued and joint dependency, Normalization Theory, Concurrency Control in Relational Databases, Object Oriented Data Models.

**Prerequisite:** A subject might have another subject specified as its prerequisite. A student who has not undergone a subject mentioned as pre requisite will not be eligible to study that subject.

**For example,** UCS502E: Introduction to Database Systems, Prerequisite: UCS402C-Data Structures and Algorithms. A student who has undergone the subject UCS402C will only be eligible to register for the subject UCS502E.

#### 6.4 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, subjected to fulfilling minimum credit requirement- for continuation of programme on semester or session basis.

#### 6.5 CREDIT ASSIGNMENT

Every subject has certain number of credits assigned based on the students' contact hours in a week. One Lecture hour per week is one credit, Two hours of Tutorial/Practical per week is one credit. The following example illustrates the basis of credit assignment.

**UCS302C:** Theoretical Foundations of Computer Science, 4 credits (4-0-0) (4 Hrs. Lectures + 0 Hr. Tutorial+ 0 Hr. Practical) per Week.

Atypical Credit Structure based on the above definition is given in Table 6.3 below:

**Table 6.3: Typical Credit Structure for Coursework**

<b>Lectures</b> (hrs/week/Sem)	<b>Tutorials</b> (hrs/week/Sem)	<b>Laboratory Work</b> (hrs/week/Sem)	<b>Credits</b> (hrs/week/Sem)	<b>Credits (Total)</b>
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

#### 6.6 GRADING SYSTEM

The grading system is implemented on a 10 points scale with letter grades S,A,B,C,D,E and F as given in Table6.4. The Grade awarded to the students are basically a qualitative measure (an alphabet) of the performance of a student, such as, Outstanding (S), Excellent (A), Very Good (B), Good (C) and the like. There are different approaches possible for awarding grades like absolute grading, relative grading etc., presently absolute grading is adopted in the evaluation

system of BEC. This is usually arrived-at, after the assessment of student's performance in a subject. The following method is used for awarding grades in a subject. A letter grade, corresponding to specified number of grade points, is awarded in each subject 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 6.4: Range and Absolute Grading**

<b>Range of Marks (Out of 100)</b>	<b>Grade</b>	<b>Grade Points</b>	<b>Level</b>
90 to 100	S	10	Outstanding
80 to 89	A	9	Excellent
70 to 79	B	8	Very Good
60 to 69	C	7	Good
50 to 59	D	6	Above Average
40 to 49	E	4	Poor
0-39	F	0	Fail

### **6.7 AUDIT SUBJECTS**

In addition, a student can register for subjects for audit only, with a view to supplement knowledge and/or skills. Here also, the student's grades are reflected in the Grade Card. But, the grades are not taken into account in determining the student's academic performance in that semester (SGPA and CGPA). The total number of registered credits in that semester, including audit courses, must not exceed the given range of credits in the semester.

### **6.8 MANDATORY COURSES**

The UG students need to study mandatory courses wherever necessary. Such courses will have code with suffix M, for e.g., UMA300M, Bridge Course Mathematics-I. For such courses grade PP will be awarded for pass and NP for fail. But, pass in each such course shall be necessary requirement for the degree. However, they shall not carry any credits for the award of the degree.

### **6.9 INDUCTION PROGRAMME**

A 3-week induction programme is included for the first year B. E. students, as per the requirement of AICTE in its UG Model Curriculum (Feb 2018).



## 6.10 INTERNSHIP

There is also a requirement of Internship to be undertaken by all UG and PG students, as prescribed in the respective curricula.

## 6.11. ACTIVITY POINTS

Apart from technical knowledge and skills, to be successful professionals, students should have excellent soft skills, leadership qualities, team spirit, entrepreneurial capabilities and societal commitment. In order to match these multifarious requirement, 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 shown in Table 6.5.

- The activity points earned shall be reflected on the student's 8<sup>th</sup> semester grade card.
- The 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, 8<sup>th</sup> semester grade card shall be issued only after earning the required activity points.
- Students shall be permitted for the award of the degree only after the release of the 8<sup>th</sup> semester grade card.

**Table 6.5: AICTE activity points**

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

## 6.12 GRADE POINT AVERAGES

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

6.12.2 The grade points awarded to the student is computed from Table 6.4 depending on the grade assigned to the students. The credit points earned by a student are equal to the number of credits assigned to the subject multiplied by the grade points awarded to the student. The credit index of a student for a semester is the sum total of all the credit points earned by the student for all the courses registered in that semester.

**Example:** UMA22C (4-0-0) If a student earns a B Grade, the grade points earned in the subject is 8 and Credit Points is  $(8 \times 4 = 32)$

6.12.3 Semester Grade Points Average (SGPA) and the Cumulative Grade Point Average (CGPA), both are important performance indices of the students.

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

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

Thus,

*SGPA*

$$= \frac{\sum[(\text{Course Credits}) \times (\text{Grade Points})] \left( \begin{array}{c} \text{for all the Courses in that semester excluding} \\ \text{transitional grades} \end{array} \right)}{\sum[(\text{Course Credits})] \left( \begin{array}{c} \text{for all the Courses in that semester excluding} \\ \text{transitional grades} \end{array} \right)}$$

*CGPA*

$$= \frac{\sum[(\text{Course Credits}) \times (\text{Grade Points})] \left( \begin{array}{c} \text{for all the Courses excluding those with F and} \\ \text{transitional grades until that semester} \end{array} \right)}{\sum[(\text{Course Credits})] \left( \begin{array}{c} \text{for all the Courses excluding those with F and} \\ \text{transitional grades until that semester} \end{array} \right)}$$

Examples of calculation of SGPA and CGPA are given in Tables 6.5(a) and (b).

**Table 6.6(a): Example Calculation of First Semester**

Subject Code	Subject Credits	Grade Awarded	Earned Credits	Grade Points	Credit Points Earned
(1)	(2)	(3)	(4)	(5)	(6)
UMA121C	4	W	0	0	0
UPH122C	4	A	4	9	36
UCV146C	4	B	4	8	32
UME147C	4	D	4	6	24
UEE125C	4	F	0	0	00
UHS126M	-	NP	-	-	-
UPH127L	2	S	2	10	20
UME128L	2	E	2	4	8
<b>Total:</b>	<b>24</b>		<b>16</b>		<b>120</b>

Note:

1. The student has obtained NP grade in the mandatory subject UHS126M and needs to re-register and clear the subject later before completion of the degree.
2. The student has withdrawn from the subject UMA121C and needs to re-register whenever the subject is offered.

The results of a particular student for first semester is given below:

Credits registered in the semester (Total of Column 2) = 24

Credits registered after withdrawal

(Total of Column 2 – sum of credits of all withdrawn subjects) = 24 – 4 = 20

Earned credits in the semester (Total of Column 4)

(Credits registered after withdrawal – Sum of credits of subjects with F Grade)  
= 20 – 4 = 16

Credit Index secured in this semester (total of column 6) = 116

SGPA = 120/20 = 6.00

CGPA = 120/16 = 7.50

**Table 6.6 (b): Example Calculation of Second Semester**

Subject No	Subject Credits	Grade Awarded	Earned Credits	Grade Points	Points Earned
(1)	(2)	(3)	(4)	(5)	(6)
UMA221C	4	B	4	8	32
UCH229C	4	D	4	6	24
UCS230C	4	S	4	10	40
UME231C	2	C	2	7	14
UEC232C	4	F	0	0	00
UBT233M	-	PP	-	-	-
UCH241L	2	E	2	4	8
UCS242L	2	B	2	8	16
UME238L	2	A	2	9	18
<b>TOTAL</b>	<b>24</b>		<b>20</b>		<b>152</b>

The results of the same student for the second semester are given below.

Credits registered in the semester (Total column 2) = 24

Credits registered after withdrawal

(Total of column 2- Sum of credits of all withdrawn subjects) = 24 – 0 = 24

Earned Credits in the semester (Total of Column 4)

(Credits registered after withdrawal – Sum of credits of subjects with F Grade)

= 24 – 4 = 20

Credit Index secured in this semester (total of column 6) = **148**

Sum of credit index of all previous semesters = **120 + 152 = 272**

Total credits earned = **16 + 20 = 36**

SGPA = **152/24 = 6.33**

CGPA = **272/36 = 7.56**

6.13 A student would be considered to have completed a subject successfully and earned the credits if he/she secures a letter grade other than 'I', 'W', 'X', or 'F' in that course. Letter grade 'F' in any subject implies failure in that subject.

6.14 The Transitional Grades "I", 'W' and 'X', would be awarded 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, 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;
- b. Grade 'W': is awarded to a student having satisfactory attendance at classes, but withdrawing from that course before the prescribed date in semester under faculty advice. Further a student can withdraw from a subject once and only once, maintaining minimum credits requirements.
- c. Grade 'X': is awarded to a student with high CIE rating ( $\geq 70\%$ ) in a subject, but SEE performance observed to be poor, which could result in an overall F Grade in subject
- d. However there is no scope for awarding transitional grades in the supplementary semester
- e. The student may be allowed to cancel his registration in case of calamities in Supplementary Semester

The transitional grades are to be converted into one or the other of the letter grades (S-F) after the student completes the academic requirements of the subject.

6.15 The Grade Card (or transcript) of a student at the end of the semester will have a list of all the subjects taken by student. Only those grades (S to F) are included in the computation of the student performance. Thus, the subjects taken for audit will not form part of the computation. The results of the mandatory subjects, 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 degree awarded by the university.

6.16 The Makeup examination faculty would be available to students who may have missed to attend the SEE of one or more subjects in a semester for valid reasons and have awarded 'I' Grade; or 'X' grade

The makeup examination would be held as per dates notified in the Academic calendar. However, it would be possible to hold make up examination at any other time in the semester with the permission of the Academic Council of the college. In all these cases the standard of SEE would be the same as the normal SEE.

6.17 All the I and X grade awarded to the student should be converted to appropriate letter grades in the consequent make up examination, otherwise the grade is automatically converted to F grade.

6.18 All the 'W' grade awarded to the students would be eligible for conversion to the appropriate letter grade only after the concerned student re-registers for these subjects in a main/supplementary semester and fulfill the passing standards for their CIE and SEE.

## **7.0 REGISTRATION PROCESS**

### **7.1 REGISTRATION**

Registration is a very important procedural part of the academic system. Every student after consulting his/her faculty adviser in his/her department has to register to the courses approved

by the BOS of the department. This ensures that the student's name is on the roll of each subject he/she wants to study.

Each student has to register for the course work at the beginning of the semester. Course load has to be maintained as given in the section 5 (Academic Calendar).

No credit is given if the student attends a subject for which he/she has not registered. Registration for the subjects in a particular semester will be done according to a specified schedule. The student must ensure that his/her dues are paid before the commencement of each semester/session. Defaulters will not be registered for the particular semester/session and appropriate disciplinary action will be taken against such students.

Registration in absentia and registration after the specified date are not allowed. 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, the student should intimate the same to the Principal/HOD/concerned faculty adviser.

For reasons beyond his/her control, if a student is not able to register or send an authorized representative with a medical certificate or inform the same, he/she may apply 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. Before the first day of the classes, each student will be provided with a registration record, which will be an official record of subjects registered. Add, drop, withdrawal and audit will be marked on this record itself. The data contained in this record will be used for resolution of discrepancies, if any, later.

The duly filled registration record is to be submitted to the concerned department on or before the specified date, failing which registration is liable to be cancelled.

## **7.2 COUNSELING**

At the time of completing the registration process, each student must consult his/her faculty advisor to finalize the subjects for a given programme, keeping in view minimum/maximum number of total credits, past performance, backlog subjects, SGPA/CGPA. Pre-requisites, work load and student's interests. Special provisions exist for academically weak students.

### **7.3 MINIMUM STUDENT REGISTRATION IN A SUBJECT**

A subject will be offered if a minimum of 10 students register for the subject. Under special circumstances with the prior permission of the Principal and concurrence of the Head of the Department subject may be offered with lesser number of registrations.

### **7.4 CREDIT MONITORING**

It is the responsibility of the student to keep track of the number of credits earned and has to plan for completion of the prescribed number of credits for the programme. If any discrepancies are observed with regards to the credits earned by a student, the same must be brought to the notice of concerned HOD and COE for necessary corrections.

### **7.5 DROPPING, WITHDRAWAL FROM SUBJECTS**

#### **7.5.1 Dropping of subjects:**

A student can drop a subject, without being mentioned in the grade card, on or before the date mentioned in the calendar of events based on the review of the student's performance in CIE by the Faculty advisors and maintaining minimum credits specified for the semester. Such subjects are to be taken up for study and re-registered at a later time. However, students are not permitted to drop re-registered subject(s).

#### **7.5.2 Withdrawal from subjects**

A student can withdraw a subject, with mention in the Grade card (Grade "W"), at the end of a semester based on the review of the students' performance in CIE by the faculty advisors and maintaining minimum credits specified for the semester. A Student is not permitted to withdraw re-registered subjects(s). Such subject(s) are to be taken up for study and re-registered at a later time.

**7.5.3 Add/Drop** A student has the option to add or drop subjects for which he/she has registered. This facility is restricted to the first week of the semester.

### **7.6 REJECTION OF PERFORMANCE**

The student is permitted to reject his/her performance in a subject(s) after the declaration of result (provided he/she has secured a minimum of E-grade) either for improving CGPA for

eligibility or enhancing CGPA, within one academic year from the date of declaration of result. If a candidate wishes to reject his/her performance in a course, he/she shall be allowed to do so, with the following considerations:

- a. Only those performances with A, B, C, D or E grades are eligible for rejection.
- b. Rejection is to be made within maximum of one year duration from the date of announcement of results.
- c. Student must surrender his/her original grade card along with his/her request for performance rejection, duly forwarded by concerned head of the department.
- d. A transitional grade R is awarded for the subject rejected for performance and however it is not considered for calculation of SGPA and CGPA. He/she shall register in the subsequent examination and pass the same.

## **7.7 TEMPORARY WITHDRAWALS**

**7.7.1** A student is permitted to withdraw temporarily from the college on the grounds like prolonged illness, grave calamity in the family or any other serious happenings. The withdrawal is only for periods, which are integral multiples of a semester, provided that:

- (a) The student applies to the college within at least 6 weeks of the commencement of the semester or from the date he/she last attended the classes, whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of his/her guardian. The college authorities have to be satisfied of the genuineness of the case and that even by taking into account the expected period of withdrawal, the student has the possibility to complete the programme requirements, within the specified time limits. The student must not have any dues or demands at the college/university including tuition and other fees as well as library materials.
- (b) A student availing temporary withdrawal from the college under the above provision would be required to pay additional fees and/or charges as fixed by the college authorities until such time as his/her name appears on the students' roll list. However, it may be noted that the fees/charges once paid would not be refunded.
- (c) Normally, a student will be entitled to avail of the temporary withdrawal facility only once during his/her studentship of the programme at the Autonomous College. However, any other concession for the concerned student shall have to be approved by the AC. Hence, the students shall use this provision only in exceptional cases.



## 7.8 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, subject to availability of seats and as per the guidelines of VTU issued from time to time. The candidates seeking admission to BEC shall have to apply to the College for establishment of equivalence with prescribed fees notified by the college.

## 8.0 ASSESSMENT and EXAMINATIONS

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

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

Each subject 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 is as given in table 8.

**Table 8: Requirement for passing a subject**

<b>Evaluation Method</b>	<b>Passing Requirement</b>
Continuous Internal Evaluation (CIE)	Obtained Marks $\geq$ 40% of maximum marks
Semester End Evaluation (SEE)	Obtained Marks $\geq$ 40% of maximum marks

### 8.1 CONTINUOUS INTERNAL EVALUATION (CIE)

#### 8.1.1 For Theory Courses

CIE comprises of 3 tests, each of 30 marks and 1 hour duration, totaling to 90 marks and is later scaled down to 45 marks. The 3 CIE's are conducted by the college on the dates mentioned in the academic calendar.

The remaining 5 marks are awarded based on assignment/quizzes/ objective tests etc., as specified by the course instructor. The format of CIE may however be modified after obtaining

feedback from the faculty and students. The modified format if any will be approved by the AC and the BOG and further informed to the students at the beginning of the semester.

### **8.1.2 For Laboratory Courses**

The CIE of laboratory courses is carried out for 50 marks based on the laboratory exercises/experiments along with submission of journal/report and internal test, as per the recommendation of respective BOS, AC and BoG.

## **8.2 SEMSETER END EXAMINATION (SEE)**

### **8.2.1 For Theory Courses**

SEE is carried out through an examination of 3 hours duration and is evaluated for 100 marks and later scaled down to 50 marks.

### **8.2.2 For Laboratory Courses**

The SEE for laboratory courses is conducted for three hours duration and is evaluated for 50 marks which comprises of solving exercise/conducting experiment and viva-voce, as per the recommendation of respective BOS, AC and BoG.

### **8.2.3 The Evaluation, Photocopy of answer scripts and challenge valuation**

The evaluation of SEE is carried out using central evaluation system immediately after the examinations. There is provision for students to take the photocopy of answer script on payment of prescribed fees. Further, the 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 photocopying the answer script(s) and challenge valuation is applicable only to SEE of theory courses of regular (odd/even) semester and not for either make up examinations or SEE of supplementary semester.

The evaluation and result of makeup examination is final and binding. Candidate shall not be entertained for queries on the evaluation and result of makeup examination.

Challenge evaluation is only for theory course. If a student applies for challenge evaluation, result of either first valuation or challenge valuation will be considered, based on the maximum of the two.

#### **8.2.4 The Evaluation of Laboratory Courses**

The SEE evaluation of Laboratory courses are conducted as per the guidelines approved by AC and BOG with one internal and one external examiner. There is no provision for photocopying and challenge valuation for laboratory courses.

#### **8.2.5 Grace Marks for passing**

Maximum of 2 marks for 100 marks SEE and 01 Mark for 50 marks SEE in each subject will be considered for getting pass in each subject. This is applicable only for Theory subjects.

### **8.3 THE PROJECT WORK EVALUATION**

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

The project report and final oral examination conducted by a common Project evaluation Committee at the college level shall form the SEE of the project work, as per the recommendation of respective BOS, AC and BoG.

A transitional grade 'T' is awarded for term extension of PG final semester project work thesis submission from the academic year 2018-19 and onwards. The grade 'T' awarded for project work is not considered for the calculation of SGPA/CGPA in that semester. The students awarded with grade 'T' are not considered for Rank/Gold Medal. The extension is permitted till the end of the semester. Again such candidates need to take extension and such extensions will be allowed until the maximum duration of the programme. In case the candidate is unable to convert the 'T' grade into other grade, he/she shall be entitled for termination from the programme.

### **8.4 THE EVALUATION OF SEMINARS/TERM PAPERS/INDUSTRIAL TRAINING INTERNSHIP/FIELD WORK**

In the case of requirements, as seminar, industrial training/ internship, field work, comprehensive viva voce, if any, the assessment shall be made as per the procedure laid down by the Board of Studies of respective department and approved by AC and BOG.

## **8.5 THERE SHALL BE NO RE-EXAMINATION FOR ANY COURSE IN THE CREDIT SYSTEM**

To take care of such students:

- Who have absented themselves from attending CIE or SEE without valid reasons; or
- Who have failed (Grade F) to meet the minimum passing standards prescribed for CIE and SEE; or
- Who have been detained for want of attendance; or,
- Who have withdrawn (Grade W) from a course,
- Who has rejected and awarded Grade R

Such students shall be required to re-register for the course(s), attend the classes regularly and go through CIE and SEE again and obtain a Grade equal to or better than E in each case. While such students shall have to re-register for the same course(s) if hard core. They can re-register for alternative course(s) from among the soft core or elective courses, as the case may be. The re-registration shall be possible when the particular course is offered again either in a main (odd/even) or a supplementary semester.

## **8.6 SUPPLEMENTARY SEMESTER**

A supplementary semester will be conducted every year after the even semester.

- Offering the course in a Supplementary Semester is not mandatory and shall depend on the availability of human resources in respective department.
- Registration to course(s) offered during supplementary semester is not mandatory but purely voluntary.
- A student must not wait for challenge/make up valuation results, while registering any subject in supplementary semester.
- There shall be no dropping and withdrawal of any subject registered in supplementary semester.
- The academics in supplementary semester will run at double the speed of regular semester.
- The valuation/result is final and binding. The candidate shall not be entertained for quarries on the supplementary semester valuation/results.
- There shall be no makeup examination and challenge valuation in supplementary semester.

- No such claims can be entertained since the supplementary semester is an extra opportunity given to students.
- The students agreeing to the above mentioned rules and regulations can only register for courses offered during supplementary semester.

## 8.7 STUDENTS FEEDBACK

The student has to provide the feedback for courses he/she has registered, in the online format provided, as and when, which will be used for analysis and betterment of the academic programmes.

## 9.0 AWARD OF CLASS

The students will be awarded the percentage/ class by converting from the grade point averages namely SGPA and CGPA, for comparison with conventional marks system followed by many Universities. The methodology followed for conversion is shown below:

$$\text{Percentage Scored by the Student} = (\text{CGPA} - 0.75) \times 10$$

Table-9.1 gives equivalent of grade points against Percentage of Marks.

**Table 9.1: Percentage Equivalence of Grade Points (For a 10-Point Scale)**

Grade Point	Percentage of Marks
5.75	50
6.25	55
6.75	60
7.25	65
7.75	70
8.25	75

### Class designation:

$\geq 70\%$  (*First class with Distinction*)

$\geq 60\%$  and  $\leq 70\%$  (*First Class*)

$< 60\%$  (*Second Class*)

## **10. VERTICAL PROGRESSION**

### **Vertical Progression (Promotion/Eligibility to higher semesters) for B. E.**

There shall be no restriction for promotion from an add semester to the next even semester, provided the student has fulfilled the attendance requirements.

A student shall be declared fail, if he/she

- i. Has not satisfied the CIE requirements of any course(s).
- ii. Has not appeared for SEE even after satisfying attendance and CIE requirements.

### **(A) Vertical Progression in case of students admitted to first year:**

(a) Students having not more than four F grades in the two semesters of first year of the Programme shall be eligible to move to second year.

(a.1) Students having not more than four F grades in the four semesters of I and II year, shall be eligible to move to III year.

(a.2) Students who have earned all the prescribed credits of I year, and having not more than four F grades in the four semesters of II and III year shall be eligible to move to IV year.

### **(B) Vertical Progression in case of Diploma students admitted to second year(lateral entry):**

(a.) Students having not more than four F grades (excluding the Fail or pass status of Bridge Course Mathematics I and II) in the two semesters of II year of the Programme shall be eligible to move to III year.

(a.1) Students having not more than four F grades (excluding the Fail or pass status of Bridge Course Mathematics I and II, if any) in the four semesters of II and III year shall be eligible to move to IV year.

(b.) The mandatory non-credit Courses Bridge Course Mathematics I and II prescribed at III and IV semesters respectively, to lateral entry diploma holders, admitted to III semester of Deprogrammers shall attend the classes during the respective semesters to satisfy attendance and CIE requirements and to appear for the SEE.

(b.1) In case, any student fails to satisfy the attendance requirement of the courses Bridge Course Mathematics I and II, he/she shall not be eligible to appear for the

SEE of that semester and shall not be permitted to take admission to next higher semester. The candidate shall be required to repeat that semester during the subsequent year.

(b.2) Students who have satisfied the attendance requirement but not the CIE requirements of the courses Bridge Course Mathematics I and II shall be permitted to reregister and appear for SEE after satisfying the CIE requirements in the same course(s),(with or without satisfying attendance requirements) when offered during subsequent semester(s)/supplementary semester.

(c) Completion of Bridge Course Mathematics I and II shall be mandatory for the award of degree.

**(C) Vertical Progression in case of B.Sc students admitted to second year (lateral entry)**

(a) Students having not more than four F grades (excluding the Fail or pass status Computer Aided Engineering Graphics and Engineering Mechanics of First year Engineering programme) in the two semesters of II year of the programme shall be eligible to move to III Year.

(a.1) Students having not more than four F grades (excluding the Fail or pass status of Computer Aided Engineering Graphics and Engineering Mechanics of First year Engineering programme, if any) in the four semesters of II and III year shall be eligible to move to IV Year

(b) The prescribed mandatory non-credit courses Engineering Graphics and Elements of Civil Engineering and Mechanics of First engineering programme to lateral entry B.Sc holders to III semester of B.E Programme shall attend the classes during the respective semesters to complete CIE and attendance requirements and to appear for the SEE 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 reregister 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 Computer Aided Engineering Graphics and Engineering Mechanics of First year Engineering programme shall be mandatory for the award of degree.

#### **(D) Vertical Progression in case of M.Tech/ MCA / MBA students**

The prescribed standards for vertical progression shall be as follows:

- Minimum standard for CGPA=5.0 (at the end of each academic year)
- At the end of each academic year (inclusive of supplementary semester), the number of 'F' grades of all the previous semesters, shall not exceed four.

### **11.0 ATTENDANCE REQUIREMENTS**

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

#### **11.1 ATTENDANCE RULES**

- (a) Each semester is considered as a unit and the candidate shall maintain a minimum attendance of 85% in each subject with a provision of condoning up to 10% of the attendance for special cases, by the Principal, for reasons such as medical grounds, participation in University level sports, cultural activities, seminars, workshops and paper presentations etc.
- (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 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 position in the first week of every month by the Department/College and the students are cautioned to make up the shortage.



- (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 for the same courses 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 subject teacher.
- (c) A student who remains absent from a CIE due to illness or any other genuine reason should inform the subject teacher and HOD and produce relevant documents within a week of the test for the provision of compensatory test.

### **12.0 TERMINATION FROM THE PROGRAMME**

A student may be required to withdraw from the programme and leave the college on the following grounds:

- a. Failure (Getting F grade) and not passing a course to earn credits for the same, in spite of eight (08) attempts.
- b. Absence from classes for more than six(06) weeks at a time in a semester without leave of absence being granted by the competent authorities.
- c. Failure to meet the standards of discipline as prescribed by the college from time to time.

### **12.1 MAXIMUM DURATION FOR THE PROGRAMME COMPLETION**

The candidate shall complete the program within a period of eight academic years in case of B.E., four academic years in case of M.Tech and MBA and six academic years in case of M.C.A., from the date of his/her first admission, failing which he/she has to discontinue from the programme.

The candidate of lateral entry shall complete the program within a period of six academic years in case of B.E., and four academic years in case of M.C.A., from the date of his/her first admission, failing which he/she has to discontinue from the programme.

## 13.0 AWARD OF DEGREE

### 13.1 B.E Degree

- a. Students shall be declared to have completed the Programme of B.E 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 (175 for regular and 135 for lateral entry students).
- b. For the award of degree, a  $CGPA \geq 5.00$  at the end of Programme shall be mandatory.
- c. Completion of Bridge Course Mathematics I and II shall be mandatory for the award of degree to lateral entry Diploma students.
- d. Completion of Computer Aided Engineering Graphics and Engineering Mechanics of First year Engineering programme 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, all the B.E regular students admitted to the 4 year degree programme and every student admitted to 4 years degree programme through lateral entry shall earn 100 and 75 AICTE activity points for the award of the degree.

Students transferred from other universities/Autonomous colleges under VTU to 5<sup>th</sup> semester are required to earn 50 activity points. The activity points earned shall be reflected on the student's 8<sup>th</sup> semester Grade Card.

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

(iii) In case students fail to earn the prescribed activity points before the commencement of 8<sup>th</sup> semester examinations, 8<sup>th</sup> semester Grade Card shall be issued only after earning the required AICTE Activity points. Students shall be admitted for the award of degree only after the release of the 8<sup>th</sup> semester Grade card.

### 13.2 B.E (Honours)degree

- (a) A student shall be declared to have completed the Programme of B.E degree and shall be eligible to get undergraduate 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.

(a.2) has earned additional 20 or more credits through respective BoS, AC and BOG approved courses.

(a.3) satisfies the Regulations Governing the award of Honors at B.E Degree Programmes.

### **13.3 NON-COMPLIANCE OF CGPA $\geq$ 5.00 AT THE END OF THE PROGRAMME**

- (a) Students, who have completed all the courses of the Programme but not having a CGPA  $\geq$ 5.00 at the end of the Programme, shall not be eligible for the award of the degree.
- (b) In the cases of 13.3 (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 re-registration for any number of times, subject to provision of maximum duration of the Programme to make up the CGPA  $\geq$ 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  $\geq$  5.00, the students shall become eligible for the award of the degree. If CGPA  $<$ 5.00, the students shall follow the procedure laid down in 13.3 (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  $\geq$  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 13.3 (b)
- (e) In case, the students earn improved grade(s) in some course(s) 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  $\geq$ 5.00, the students shall be eligible for the award of the degree. If CGPA $<$ 5.00, the students shall follow the procedure laid in 13.3 (b).
- (f) In case of 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 13.3 (b)

- (g) Students shall obtain written permission from the Principal to reappear in SEE to make up the CGPA  $\geq 5.00$ .

#### **13.4 Non-compliance of Mini project**

The Mini project shall be considered as a head of passing and shall be considered for the award of the degree. Those who do not take up / complete shall be declared Failed in that course and shall have to complete the same during the subsequent SEE, after satisfying the Mini project requirements. Also Mini project shall be considered as eligibility to 7<sup>th</sup> semester.

#### **13.5 Non-compliance to Internship**

All the students of B. E shall have to undergo Internship of 4 weeks. Internship shall be considered as a head of passing and shall be considered for the award of the degree. Those who do not take up / complete Internship shall be declared Failed in that course and shall have to complete the same during the subsequent SEE, after satisfying the Internship requirements.

#### **13.6 The award of the degree must be recommended by the Academic Council and BOG.**

#### **13.7 AWARD OF GOLD MEDALS AND RANKS**

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

- a) Passed all subjects in First Attempt (No X, I, T, W, F, Z, R Grades and should not have dropped a course)
- b) Secured Highest CGPA
- c) For BE students CGPA is considered from 3rd semester to 8th semester.
- d) For MCA students CGPA is considered from 3rd semester to 6th semester.
- e) For M.Tech. and MBA students CGPA is considered from 1st semester to 4th semester.

For PG Student, in addition to (a) and (b) above he/she has submitted PG project thesis on or before the date as specified in the academic calendar.

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

### **13.8 GRACING FOR AWARDING DEGREE**

A grace up to a maximum of 0.05 will be considered to overall CGPA for the benefit of a student in awarding class. i.e., if the final CGPA of a student is 6.70, he/she will be awarded as “First class” and 7.70 as “First class with distinction” by adding a grace of maximum of 0.05.

### **13.9 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 in order 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 in consultation with the university and by following the provisions in the statute of VTU will be conducted at Basaveshwar Engineering College, Bagalkot.

### **14.0 DISCIPLINES ON CAMPUS**

- 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. The vehicles should be run in the campus within the speed of 30 km/hr or below and blowing of horn in the campus is prohibited.
- Causing damage to college and hostel properties for any reason and any form is considered as an offence and will be punished according to prevailing rules.
- Eve teasing by the students is strictly prohibited and will be handed severe punishment.
- Misbehaving with faculty/instructors will be viewed seriously and is to be avoided.
- Smoking and Chewing and use of tobacco in any form are strictly prohibited in the campus and within 100 m from the boundary of the campus.
- Sale of tobacco and derived products within 100 m from the boundary of the campus is strictly prohibited.

- Possession, consumption or distribution of alcoholic drinks, narcotic drugs, or any kind of hallucinogenic drugs is punishable as per the prevailing laws.
- Noisy and unruly behavior disturbing studies of fellow students is liable for punishment.
- Plagiarism of any nature is prohibited.
- Unauthorized fund raising and promotion of sales of any kind is prohibited.
- Hacking into college computer systems (such as entering into other person's area without prior permission, manipulation and/or damage of computer/hardware and software or any other cyber crime)/ Campus Network/ Campus Servers is liable for punishment.
- Sending/ possession of objectionable material using IT infrastructure is banned

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 outright expulsion from the college or even handing over the case to appropriate law enforcement authorities or the judiciary as required by the circumstances.

## **15.0 EXAMINATION MALPRACTICES**

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

- 1) Bringing in the examination hall or being found in possession of portions of a book manuscript, programmable calculator or any other material or matter, which is not permissible to be brought into the examination hall.
- 2) Having any written matter on Scribbling pad, question paper, admission ticket, calculator, palm, hand, leg, handkerchief, clothes, socks, instrument box, identity card, scales etc.,
- 3) Disclosing identity in SEE 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 while answering.
- 4) Copying from the material or matter or answer of another candidate or similar aid or assistance is rendered to another candidate within the examination hall.

- 5) Communicating with any candidate or any other person inside or outside the examination hall with a view to take assistance or help to write answers in the examination.
- 6) Making any request of representation or offers any threat for inducement or inducing to bribery 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 valuation of answer script/s.
- 7) Smuggling out or smuggling in or tearing off of the answer script sheets or
- 8) Supplementary sheets or inserting papers written outside the examination hall into the answer book or running away along with the answer script from the examination hall or premises.
- 9) Impersonating or allowing any' other person to impersonate to answer in his/her place in the examination hall.
- 10) Supply of copying material inside or from outside the examination hall.
- 11) Bringing mobile phone to the examination hall.
- 12) Unruly behavior inside or near the examination hall.

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	<ol style="list-style-type: none"> <li>1. Misbehavior with officials or any kind of rude behavior in or near the Examination Hall using obscene or abusing language.</li> <li>2. Writing in the Question Paper/Admission Ticket and or passing to the other student in the Examination Hall.</li> <li>3. 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 while answering.</li> <li>4. Possession of Electronic devises like mobile, Programmable Calculator, Pen drive and any other electronic devises/storage devises in the examination hall. 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. Having any written matter on scribbling pad, Calculator, Palm, Hand, Leg, hand kerchiefs, cloths, socks, instrument box, identity card, hall ticket, scales etc.</li> </ol>	<ol style="list-style-type: none"> <li>a. Fine not less than Rs.2000/-.</li> <li>b. Denial of benefit of performance of that Particular Paper in which the student in booked under Malpractice.</li> <li>c. Denial of benefit of performance of that Particular Examination (all the subjects for which the students has registered for the examinations)</li> <li>d. Debarring the student from appearing for one more subsequent examination.</li> <li>e. Debarring the student from appearing for two more subsequent examinations.</li> <li>f. Debarring the student from appearing for three more subsequent examinations.</li> </ol> <p>The MPCC shall recommend the punishments based on the severity of the case shall be recorded.</p>
2	<ol style="list-style-type: none"> <li>1. Coping from the material or matter or answer of another student or similar aid or assistance is rendered to another student within the examination hall.</li> <li>2. Making any request of representation or inducting to bribery to Room Superintendent or and any other official or officer of the University/ College for favors in the examination hall or to the Examiner in the answer script.</li> <li>3. Approaching directly or indirectly the teachers, officers, officials or examiners or bring about undue pressure or undue i.e. Influence upon them for favor in the examination.</li> <li>4. Smuggling out or smuggling in or tearing off the answer script sheets or supplementary sheets or inserting papers written outside the examination hall into the answer book.</li> <li>5. Receiving material for copying from outside or inside the examination hall</li> </ol>	<ol style="list-style-type: none"> <li>a. Denial of benefit of performance of that particular paper in which the student is booked under Malpractice.</li> <li>b. Denial benefit of performance of that particular examination (all the subjects for which the student has registered for the examinations).</li> <li>c. Debarring the student from appearing for one more subsequent examination.</li> <li>d. Debarring the student from appearing for two more subsequent examinations.</li> <li>e. Debarring the student from appearing for three more subsequent examinations.</li> </ol> <p>The MPCC shall recommend the punishments based on the severity of the case and the severity of the case shall be recorded.</p>



	<p>6. Bringing into the examination hall or being found in possession of portions of a book, manuscript, or such other material or matter to be brought into the examination hall.</p> <p>7. Copying or taking aid from any material or matter referred to in sub-cause 5 and 1 to answer in the examinations</p> <p>8. Having any written matter on scribbling pad, calculator, palm, hand, leg, hand kerchiefs, clothes, socks, instrument box, identity card, hall ticket, scales etc.</p> <p>9. Destroying any evidence of Malpractice, tearing or mutilating the answer script or running away along with the answer script from the examination hall or premises Committing any other act of omission intending to gain an advantage or favor in the examination by misleading, deceiving or inducing the examiner or officers or authorities of the University/College.</p>	
3	Repeatedly indulging in malpractice	<p>a. Denial benefit of performance of that particular examination (all the subjects for which the student has registered for the examinations).</p> <p>b. Debarring the student from appearing for subsequent examinations extending up to three more examinations</p>
4	<p>1. Impersonating or allowing any other person to impersonate to answer in hi/her place in the examination hall.</p> <p>2. Threatening with weapons or any other means to the Room Superintendent, Members of the Flying Observers, and officers/officials of the examination centers.</p>	Rusticate the student from College In case of impersonation, both the students concerned shall be handed over to the police by the Chief Superintendent

In general,

1. The punishments shall be uniform and commensurate with the gravity of offence for all students committing similar offences.
2. Malpractice and punishments imposed on the students shall invariably be intimated to the concerned 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 redeeming of the punishments imposed on him/her.

## **16.0 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;
- Wrongful confinement;
- Use of criminal force;
- Assault as well as sexual offences or unnatural offences;
- Extortion;
- Criminal trespass;
- Offences against property;
- Criminal intimidation;
- Attempts to commit any or all of the above mentioned offences against the victim(s);

### **Measures of Prohibition and Prevention of Ragging:**

- Ragging in all its forms shall be totally 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 fresher's and seniors.
- Fresher's shall be encouraged to report incidents of ragging, either as victims, or even as witnesses.
- The Anti-Ragging Committee: The Anti-Ragging Committee shall be headed by the Principal and shall consist of representatives of faculty members, parents, students belonging to the fresher's category as well as seniors and non-teaching staff. It shall monitor the anti-ragging activities in the institution, consider the recommendations of the 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 at all times 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.
- Fresher's 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.

**Annexure I  
UNDERTAKING**

I, \_\_\_\_\_ a Student of \_\_\_\_\_ bearing USN \_\_\_\_\_, Boys hostel/Ladies Hostel, Bagalkot, in connection with my stay in the hostel, I hereby give undertaking to the Hostel management of Basaveshwar Engineering College Boys Hostel/Ladies Hostel, Bagalkot

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 I am required to stay beyond 07:30 PM outside the hostel, I will seek the permission of Hostel Warden for the same.
10. It will be solely my responsibility of any valuables like cash/gold/mobile phones/watch luggage etc, 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 I 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:  
Date:

Name of the student-----  
Signature of the student-----

**ANNEXURE II**

**Part I**

**UNDERTAKING BY THE CANDIDATE/STUDENT**

3. I, -----S/o. / 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.

4. 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.

5. I hereby undertake that

- I will not indulge in any behavior or act that may come under the definition of ragging,
- I will not participate in or abet or propagate ragging in any form,
- I will not hurt anyone physically or psychologically or cause any other harm.

6. 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.

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

Signed this \_\_\_\_\_ day of \_\_\_\_\_ Months of \_\_\_\_\_ year

Signature

Name:

Address: