



Choice Based Credit System (CBCS)

Academic Rules and Regulations 2018
(Postgraduate Programmes in Engineering and Architecture)

UNIVERSITY VISVESVARAYA COLLEGE OF ENGINEERING
K R Circle, Bengaluru-560 001.

BANGALORE UNIVERSITY
UNIVERSITY VISVESVARAYA COLLEGE OF ENGINEERING
K R CIRCLE, BENGALURU – 560 001.

University Visvesvaraya College of Engineering (UVCE) was started as a School of Mechanical Engineering by Bharat Ratna Sir. M. Visvesvaraya in the year 1913 to meet the needs of the State for skilled workers with S V Setty as its Superintendent. Later, it was converted to a full-fledged Engineering College in the year 1917 under the name Government Engineering College (GEC) and was affiliated to the University of Mysore. It is the fifth Engineering College to be established in the country.

After the formation of Bangalore University in 1964, GEC became University College of Engineering (UCE) and then University Visvesvaraya College of Engineering (UVCE), one of the Constituent Colleges of Bangalore University. This is one of the oldest Institutions in the country imparting technical education leading to B.E., M.E., B.Arch., M.Sc. (Engineering, Research), M.Arch. and Ph.D. degrees in various disciplines of Engineering and Architecture.

The Institution currently offers 7 Undergraduate Full-time, 3 Undergraduate Part-time and 24 Postgraduate Programmes.

VISION

The vision of UVCE is to strive for excellence in advancing engineering education through path breaking innovations across the frontiers of human knowledge to realize a vibrant, inclusive and humane society.

MISSION

The mission of UVCE is to prepare human resource and global leaders to achieve the above vision through discovery, invention and develop friendly technologies to promote scientific temper for a healthy society. UVCE shapes engineers to respond competently and confidently to the economic, social and organizational challenges arising from globally advancing technical needs.

**BANGALORE UNIVERSITY
UNIVERSITY VISVESVARAYA COLLEGE OF ENGINEERING
K R CIRCLE, BENGALURU – 560 001.**

Departments of UVCE, Bangalore University Bangalore:

1. Department of Civil Engineering.
2. Department of Mechanical Engineering.
3. Department of Electrical and Electronics Engineering.
4. Department of Electronics and Communication Engineering.
5. Department of Computer Science and Engineering.
6. Department of Architecture.

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Master of Technology (M.Tech.) Programmes offered by various Departments of UVCE, Bangalore University, Bengaluru:

I. Department of Civil Engineering

- 1) Structural Engineering
- 2) Geotechnical Engineering
- 3) Environmental Engineering
- 4) Highway Engineering
- 5) Prestressed Concrete
- 6) Construction Technology
- 7) Water Resources Engineering
- 8) Earthquake Engineering

II. Department of Mechanical Engineering

- 9) Machine Design
- 10) Manufacturing Science and Engineering
- 11) Thermal Science and Engineering
- 12) Advanced Materials Technology

III. Department of Electrical Engineering

- 13) Power Systems
- 14) Power Electronics
- 15) Control and Instrumentation

IV. Department of Electronics and Communication Engineering

- 16) Electronics and Communication.

V. Department of Computer Science and Engineering

- 17) Computer Science and Engineering
- 18) Information Technology
- 19) Computer Networking
- 20) Software Engineering
- 21) Bio Informatics
- 22) Web Technologies

Master of Architecture (M.Arch.) Programmes offered by Department of Architecture UVCE, Bangalore University, Bengaluru:

VI. Department of Architecture

- 23) Landscape Architecture
- 24) Project and Construction Management

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Choice Based Credit System (CBCS)
Academic Rules and Regulations 2018
(Postgraduate Programmes in Engineering and Architecture)

PART-I: M.Tech.
(Postgraduate Programmes in Engineering)

PART-II: M.Arch.
(Postgraduate Programmes in Architecture)

Choice Based Credit System (CBCS)

PART-I

(Postgraduate Programmes in Engineering - M.Tech.)

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CHOICE BASED CREDIT SYSTEM (CBCS)

Preamble:

The University Grants Commission, New Delhi, in its 12th Plan Guidelines, directed the Universities in the country to implement the Choice Based Credit System (CBCS) to set a benchmark in the University education and fulfil expectations of all the stakeholders.

1. OBJECTIVES

1. Shift in focus from Teacher-Centric to Learner-Centric education.
2. Allows students to choose according to their learning needs, interests and aptitude.
3. Provides flexibility to the students allowing them to choose inter-disciplinary courses, change majors, programs, etc.
4. Makes education broad-based. Students can earn credits by choosing unique combinations.
5. Helps self-paced learning with flexibility. Students can opt for as many as 26 credits per semester.
6. A student can exercise the option to decide his/her own pace of learning- slow, normal or accelerated plan and sequence the choice of courses, learn to face challenges through term/project work and may venture out to acquire extra knowledge/proficiency through add-on courses.
7. Offers opportunity to study at different times and in different places. Credits earned at one Institution can be transferred to another.

2. SHORT TITLE AND COMMENCEMENT

- 2.1 The academic rules and regulations listed under this head are common to all postgraduate M.Tech. Programmes.
- 2.2 The academic rules and regulations are subject to amendments as may be made by the Academic Council of the College / University from time to time, keeping in view the recommendations of the Board of Studies. Any or all such amendments from such date and to such batches of candidates including those already undergoing the Programme, will be effective as may be decided by the Academic Council.

3. DEFINITIONS

- (a) University: Bangalore University, Bengaluru (BUB).
- (b) College: University Visvesvaraya College of Engineering (UVCE).
- (c) Commission: University Grants Commission (UGC).

- (d) Council: All India Council for Technical Education (AICTE) or Council of Architecture (COA)
- (e) Statutes: Bangalore University Statutes.
- (f) Academic Autonomy: Freedom granted by the University to the College in all aspects of conducting its academic Programmes for promoting academic excellence.
- (g) Autonomous College: A College notified as an autonomous College as per the Bangalore University Statutes / UGC.
- (h) Programme: An educational Programme leading to award of a Degree, Diploma or Certificate.
- (i) Regular Students: Students who are admitted to M.Tech. or M.Arch. Programmes after B.Tech. / B.Arch. or equivalent.
- (j) Degree: M.Tech. / M.Arch. Postgraduate Degree.
- (k) Major: Specialization or Programme, for example, M.Tech. Degree Programme in Mechanical Engineering – Major: Machine Design or M.Arch. Degree Programme in Architecture– Major: Landscape Design.
- (l) Course: A subject either theory or practical, identified by its title and the code number. All courses need not carry the same credit. The courses should define learning objectives and learning outcomes. A course may be designed to comprise of Lectures/ Tutorials/Laboratory Work/ Field Work/ Outreach Activities/ Mini Project Work/ Dissertation work / Internship/ Vocational Training/Viva-Voce/Seminars/Term Papers/Assignments/ Presentations/ Self-Study etc. or a combination of these and Massive Open Online Courses (MOOCs). Semester: A semester shall consist of 15-19 weeks of academic work.
- (m) Semester: A semester shall consist of 15-19 weeks of academic work.
- (n) Choice Based Credit System (CBCS): The CBCS provides choice for students to select from the prescribed courses (Program Elective, Open Elective, Seminars, Internship/Mini-project, MOOCs). However, there are mandatory Program Core courses.
- (o) Credit: A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching lecture or two hours of tutorial or two hours of practical work/field work per week. One credit is also equivalent to four hours of self-study by students.
- (p) Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by letters S, A, B, C, D, E and F.
- (q) Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale.
- (r) Credit Point: It is the product of grade point and number of credits for a course registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.

- (s) Cumulative Grade Point Average (CGPA): It is a measure of cumulative performance of student over all the semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all the semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
- (t) Grade Card: A grade card shall be issued to all the registered students after every semester based on the grades earned. The grade card shall display the course details (Code, Title, Number of Credits, Grade secured) along with SGPA of that semester and CGPA and the number of credits earned till that semester.
- (u) BoS: Board of Studies, the duties and responsibilities are as per prevailing BU statutes.
- (v) BoE: Board of Examiners, the duties and responsibilities are as per prevailing BU statutes.

4. NOMENCLATURE OF ACADEMIC PROGRAMMES

4.1. The Programme nomenclature and the corresponding codes, shown in Table 1, shall be used for identifying the course and assigning the register number to students, for the following post graduate Degree Programmes under the University, as required by the Commission, AICTE and COA:

- (i) Master of Technology (M.Tech.)
(ii) Master of Architecture (M.Arch.)

Table 1: M.Tech. / M.Arch. Programmes and their Program code

Sl. No.	Title of the PG Programme	Program Code	Programme Offering Department
1	Structural Engineering	ST	Civil Engineering (CV)
2	Geotechnical Engineering	GT	
3	Environmental Engineering	EN	
4	Highway Engineering	HW	
5	Prestressed Concrete	PC	
6	Construction Engineering	CT	
7	Water Resources Engineering	WR	
8	Earthquake Engineering	EQ	
9	Machine Design	MD	Mechanical Engineering (ME)
10	Manufacturing Science and Engineering	MS	
11	Thermal Science and Engineering	TS	
12	Advanced Materials Technology	AM	
13	Power Systems	PS	Electrical and Electronics Engineering (EE)
14	Power Electronics	PE	
15	Control and Instrumentation	CI	
16	Electronics and Communication Engineering	EC	Electronics and Communication Engineering (EC)
17	Computer Science and Engineering	CS	Computer Science and Engineering (CS)
18	Information Technology	IT	

19	Computer Networking	CN	
20	Software Engineering	SE	
21	Bio Informatics	BI	
22	Web Technologies	WT	
23	Landscape Architecture	LA	Architecture (AR)
24	Project and Construction Management	PM	

NOTE: For the M.Arch. programme, the detailed regulations for the admission process, curriculum framework, credit allocation, scheme of studies and examinations, Continuous Internal Evaluation (CIE), Semester End Examination (SEE), vertical progression and other norms are placed in Part II of CBCS Academic Rules and Regulations 2018 (Postgraduate Programmes in Architecture).

5. DURATION OF THE ACADEMIC PROGRAMMES

As Choice Based Credit System is followed, the Programme duration shall be dictated by the period in which a student earns the prescribed number of credits for the award of Degree.

5.1. Normal Duration

The duration of M.Tech. programme shall be two years.

5.2. Maximum Duration

5.2.1. The maximum duration that a student can take to complete a full time academic Programme shall be twice the normal duration of the Programme, i.e., four years to obtain M.Tech. Degree.

5.2.2. The maximum duration for a Programme shall also be dictated by the fact that a student has to demonstrate the minimum academic performance by registering for the prescribed minimum number of credits in every semester, for continuing with the Programme. This duration can be equal to or less than the maximum period as indicated in 5.2.1.

5.3. Eligibility Criteria and Admission of Students

The eligibility criteria and admission of students to various Postgraduate Degree Programmes listed in Table 1 shall be made by following the prevailing State / Central Government and/or University norms and policies.

5.4. Semester Scheme

The semester scheme is adopted for all the M.Tech. programmes.

5.5. Academic Calendar

An academic year consists of two regular semesters, the details of which are shown in Table 2.

Table 2: Typical Schedule of the Academic Year

Sl. No.	Activity	Description
1	Number of semesters in an academic year	Two regular semesters (Odd and Even)
2	Duration of a regular semester	19 weeks
3	Academic activities (duration in weeks)	Regular Semester(s)
	(a) Course Registration	01 Day
	(b) Course Work including CIE	15 Weeks
	(c) Examination preparation, SEE, Valuation, Re-valuation and Declaration of Results	04 Weeks
4	Evaluation	a) Continuous Internal Evaluation (CIE) and Semester End Examination (SEE) shall have equal weightage in student's performance in course/laboratory work and other activities. b) Make-up examination shall be given to students who obtain 'F' grade and eligible transitional grades.
5	Re-registration	a) Student awarded with 'F' grade in core course(s) shall Re-Register for the same core course(s) and shall appear for CIE and SEE afresh in each such course(s). This shall continue until a pass grade is obtained in the said course(s). b) Students awarded with 'F' grade in any elective course(s) shall Re-Register for the same or any Elective Course(s) of the same group and shall appear for CIE and SEE afresh.

6. PROCTOR SYSTEM

6.1. Introduction

The Proctor system makes the students punctual and helps them to complete their studies successfully. The faculty is the Proctor and the student is the Proctee.

6.2. Objective(s)

- 6.2.1. To guide and fulfil the academic requirements of the students.
- 6.2.2. To advise the students appropriately from time to time.
- 6.2.3. In addition, the Proctee shall respond positively to fulfil 6.2.1 and 6.2.2.

6.3. Roles and Responsibilities

- 6.3.1. The proctor shall monitor the student who fails to satisfy minimum attendance (75 %) and internal marks (40 %) in all courses, as per regulations.
- 6.3.2. The Proctor and Proctee shall maintain a diary, complete in all respects from time to time.
- 6.3.3. The proctor shall arrange for a meeting with the students at least once in a month and submit the proceedings to the respective Chairpersons of the Department.
- 6.3.4. The proctor shall invite the parents for discussion at least once in every semester to update the academic progress of their ward in case of non-performing and irregular students.
- 6.3.5. The Proctor shall arrange to send the progress reports to the Parents/Guardian regarding the details of Attendance, Test Marks, Examination Results etc.
- 6.3.6. Proctor shall ensure that the students do not indulge in any sort of ragging activity inside the campus/hostel.

6.4. Expected Outcome

Results in enhanced performance and holistic development of the students.

7. CREDIT SYSTEM

7.1. General

- 7.1.1. The Choice Based Credit System (CBCS) shall come into effect from the academic year 2018-2019. The students have the option of choosing from a wide range of electives offered by the Department, Cluster of Departments and the Institution. In addition, Value-Added Audit Courses are offered as part of extended learning in interdisciplinary and multi-disciplinary domains.
- 7.1.2. Credit Definition: One credit is assigned in the regular semester (odd/even) for:
 - a) Theory Course conducted for one Hour/Week.
 - b) Tutorials and Practical classes (Laboratory Courses) conducted for Two Hours/Week respectively.
 - c) Self-Study in a Course by students, for four Hours/Week.

Student activities like practical training, study tours, project tours, industrial visits are mandatory and shall not carry any credits.

Above guidelines form the basis to fix semester course load and weekly contact hours in the regular semesters.

7.1.3. One hour of contact means 60 minutes.

7.1.4. Course Registration: A student shall register for the courses to earn credits to meet the requirements of the Degree Programme. Such courses together with their grades and the credits earned shall be included in the Grade Card issued by

the University / College at the end of each semester and it forms the basis for determining student's academic performance in that semester.

7.1.5. **Mandatory Audit Courses:** The audit courses prescribed in the Scheme of Studies are mandatory and carry credits.

7.1.6. **Value Added Audit Courses:** In addition, a student can register for courses such as value added courses for audit only in view to supplement his/her knowledge and/or skills. But, these shall not be taken into account in assessing the student's academic performance in the semester.

7.1.7. The workload of teachers shall be calculated as shown in Table 3.

Table 3: Workload computation for teachers

Teaching Component	No. of Hours	Workload in Hours / Units
Direct teaching - Theory	1	1
Tutorial	1	1
Practical class	3	2

7.2. Credit Structure

A typical credit structure for course work (hour/week in a semester) in M.Tech. programme is shown in Table 4.

Table 4: Credit Structure

Course	No. of hours/week				Credits
	L	T	P	S	
EFG	4	0	0	0	4
ABC	0	0	2	0	1
XYZ	3	0	2	0	4
PQR	3	0	0	4	4
LMN	3	2	0	0	4
HIJ	0	0	4	0	2

L – Lecture, T – Tutorial, P – Practical, S – Self-Study

8. COURSE LOAD IN REGULAR SEMESTER(S)

8.1. The course load opted by a student can be a minimum of 16 credits and a maximum of 34 credits per semester in an academic year. This flexibility enables students to cope-up with the course work and helps in improving their academic performance and to optimize the learning outcome.

8.2 Degree Requirements

The Degree requirements of a student for the M.Tech. Programme are as follows:

- i) Minimum earned credit requirement for award of the Degree as given in Table 5.
- ii) Satisfactory completion of all mandatory audit courses and MOOCs.

- iii) Minimum number of credits to be earned through MOOCs is 3.
- iv) The credits earned through MOOCs shall be during the period of PG programme and before the submission of Dissertation Work Phase II.
- v) Minimum Earned Credit Requirements on all program core courses, program elective courses, open elective courses and dissertation work / mini project/internship / seminars etc. as prescribed in Scheme of Study and Examinations. No extra credits earned on core/elective courses can be allowed in lieu of credits earmarked for Dissertation Work/Mini Project/Internship/Seminars etc.

8.3 Graduation Requirements and Convocation

8.3.1. A student shall be declared to be eligible for the award of the Degree if he/she has

- i) fulfilled Degree Requirements.
- ii) No Dues to the College, Departments, Hostels, Library, Central Computer Centre and any other centres of the institution.
- iii) No disciplinary action pending against him/her.

8.3.2. The award of the degree must be recommended by the University.

8.4. The total number of credits required to be earned by a student to qualify for the award of the M.Tech. Degree is shown in Table 5.

Table 5: Credits required for the award of Degree

Programme	Normal Duration		Total number of credits to be earned
	Years	Semesters	
M.Tech.	2	4	88

9. CURRICULUM FRAMEWORK

- 9.1. Contact Hours: The maximum number of contact hours for the students is set at 32 hours/week. This helps the students in getting enough time and opportunity to develop their creative talents and abilities, benefitting from add-on courses and audit courses, in addition to the ones prescribed for credit under a programme and preparing them for challenging and exciting careers.
- 9.2. Curriculum framework is important in setting the right direction for a PG Degree programme, as it takes into account the type and quantum of knowledge necessary to be acquired by a student to qualify for the award of a PG Degree in his/her chosen major/specialization.
- 9.3. Besides, curriculum framework also helps in assigning the credits for each course, sequencing the courses semester-wise and finally arriving at the total number of courses to be studied and the total number of credits to be earned by a student to satisfy the requirements for the award of the M.Tech. Degree.
- 9.4. Table 6 shows a typical Curriculum framework for M.Tech. Degree Programme.

Table 6: Curriculum Framework for M.Tech.

Sl. No.	Subject Area And code	No. of Credits
1	Humanities and Social Science including Management Courses -(HS)	02
2	Professional Core Courses -(PC)	28
3	Professional Elective Courses relevant to chosen Specialization/ Branch -(PE)	20
4	Open Elective Courses on interdisciplinary and / or emerging subjects Across Departments -(OE)	04
5	Dissertation work, Mini Project work, seminar and internship in industry or elsewhere -(PW)	29
6	Mandatory Courses (Technical Paper Writing, Pedagogy Studies) -(MC)	02
7	Course under MOOCs	03
Total		88

9.4.1 Program Core Courses (PC): PCs constitute the core of the programme of study and are mandatory for a given programme.

9.4.2 Elective Courses (EC): ECs offer a choice of advanced or specialized courses related to the programme of study. They enable students to specialize in a domain of their interest or tune their learning to suit their career needs and current trends. The Elective Courses are:

- i. Program Elective Courses (PE) and
- ii. Open Elective Courses (OE)

9.4.2.1. Program Elective Courses (PE): PEs are programme-specific courses offered by the parent department listed under PE category to students of the given Programme.

9.4.2.2. Open Elective Courses (OE): OEs are offered by any department and are courses listed in the curriculum framework under the open elective category and are offered to students of any department including the parent department. The students of a particular programme have to complete the total credits required under the elective category by earning the minimum credits prescribed under the Program Elective Courses (PE) and Open Elective Courses (OE) as given in Table 6. There shall not be any prerequisite for open elective courses.

10. MANDATORY COURSES FOR M.Tech. PROGRAMME

The PG Degree Programmes have certain additional courses like Technical Paper Writing, Pedagogy Studies etc. and other additional courses as suggested by respective BoS for the completion of the programme as mandatory courses. Mandatory courses shall carry prescribed number of credits.

11. ASSESSMENT

The CBCS(PG) consists of the following Assessment Rules:

11.1 Performance Evaluation

11.1.1 The assessment of student's performance during and /or at the conclusion of an academic semester is done using examinations. In general, examination may have different goals like Understanding a Concept, Applying, Analysis and Design, Problem Solving, Creativity Testing, Endurance Testing and research being done/recent trends.

11.1.2 These goals shall be tested by two methods:

- a) Continuous Internal Evaluation (CIE): CIE shall be conducted by the faculty in-charge of the course throughout the semester. The CIE includes, but not limited to, Home-Works/Assignments, Group Discussions, Quizzes, Class Room Problem Solving Exercises, Seminars, Mini-Projects, Tests and Alternative Assessment Tool (AAT). These activities are designed in such a way that the faculty and the concerned proctor will understand the shortcomings of the student that can be corrected during the interaction between the student and proctor.
- b) Semester End Examinations (SEE): SEE shall be conducted at the end of each semester, to evaluate the performance of the student, covering the entire syllabus of the course. The dates of examination are fixed by the College/University for Theory, Practical/ Project Work, Dissertation Work.
- c) CIE and SEE shall have equal (50:50) weightage in terms of marks. Hence, the total marks of CIE and SEE for the award of grade in a particular course is $50 \text{ (CIE)} + 50 \text{ (SEE)} = 100$ marks, irrespective of total marks of each of CIE and SEE.
- d) Students performance in a course shall be decided by taking into account the performance in CIE and SEE individually and taken together.

11.2 Syllabus and Question Papers

11.2.1 It shall be the responsibility of the Board of Studies (BoS) to ensure that the course syllabus is well drafted, up-to-date, defect-free and modularized to enable the setting of good question papers. There shall be 6 (six) units in the syllabus with the VI unit addressing selected topics from current literature of the course. Unit VI shall have CIE and not be part of SEE.

11.2.2 Question Paper Planning: The Board of Examiners (BoE) shall meet and scrutinize the question papers for SEE. It shall be the responsibility of BoE to ensure that the question paper covers the entire syllabus, with a provision for the students to compulsorily answer questions from the full syllabus, and in compliance with Outcome Based Education (OBE) including Blooms Taxonomy. The question papers of SEE shall have built-in choice of 60% of maximum SEE marks. The questions shall be of comprehensive type with emphasis on qualitative/quantitative analysis, design, application, evaluation, create/synthesise and problem solving.

11.2.3 Question Paper Pattern: The SEE question paper shall have 2 full questions, without choice, from any 2 units of the syllabus and 3 full questions from remaining 3 units with internal choice. There shall be no questions in SEE from Unit VI.

11.3 Examinations / Assessment

11.3.1 Continuous Internal Evaluation (CIE): The CIE shall be conducted by the course faculty. It is the responsibility of the faculty offering a course to state the teaching/assessment pattern of the CIE such as Test, Quiz, Assignment, Seminar, Term Paper, Open Ended Experiments, Mini Projects, Two Minute Videos, Massive Open Online Courses (MOOCs) etc. The necessary Rubrics be provided to students in advance. The faculty shall maintain transparency and announce the CIE results on time immediately after each component of CIE.

11.3.2 Components in a Course: Each Course may consists of three components namely, Theory (Lecture and Tutorial), Practical and Self-Study. A given course shall be classified based on the combination of one or more of these components.

11.3.3 Types of Courses: Regular/Normal, Integrated and Comprehensive.

(i) Regular/Normal Course: Course that has only one component, i.e., Theory or Practical.

(ii) Integrated Course: Course that has both Theory and Practical components.

(iii) Comprehensive Course: Course that has all the three components, i.e., Theory, Practical and Self-Study. Self-Study component refers to studying of advanced topics relevant to the course, proposed by the concerned faculty, by the students. There can be a comprehensive course with theory and self-study components only.

11.3.4 Alternative Assessment: In order to encourage innovative methods while delivering a course, the faculty members are encouraged to use Alternative Assessment Tool (AAT). The AAT enables faculty to employ innovative methods and design his/her own assessment patterns during CIE. However, the usage of AAT is optional. The AAT enhances the autonomy (freedom and flexibility) of individual faculty and enables them to create innovative pedagogical practices. If properly applied, the AAT converts the classroom into an effective learning space. The AAT includes Seminar, Assignments, Term Paper, Open Ended Experiments, Mini-Projects, Two Minute Videos, MOOCs etc. However, it is mandated for a faculty to obtain prior permission from the concerned Chairperson for implementing AAT and announce the same in the respective class before the commencement of a course.

11.3.5 Assessment pattern for various types of courses

11.3.5.1 Assessment pattern for Regular/Normal Courses: The weightage of various components of CIE for Regular/Normal Courses is shown in the Table 7. SEE shall be conducted for 100 marks and the marks obtained shall be reduced for 50 marks.

Table 7: Assessment Pattern for Regular/Normal Courses**(i) Theory**

Component	Theory			Total Marks	Total marks for awarding Letter Grade
Type of Assessment	Test*	Quiz/AAT	Unit VI AAT	50	100
Max. CIE Marks	30	5	15		
Max. SEE Marks				50**	

(ii) Practical

Component	Practical			Total Marks	Total marks for awarding Letter Grade
Type of Assessment	Records and Performance	Lab# Test	Viva Voce /AAT	50	100
Max. CIE Marks	20	20	10		
Max. SEE Marks				50**	

NOTE:

* There shall be two tests for theory courses and the sum of two tests shall be considered for the final assessment. The third test may be conducted for the students who are absent in any one of the tests for valid reasons. The third test may also be conducted for other students in consultation with concerned faculty and the Chairperson of the respective Department.

There shall be at least one test for practical courses for the award of CIE marks.

** SEE shall be conducted for 100 marks each for theory and practical courses and the marks obtained in each case shall be reduced for 50 Marks.

If AAT is employed, the concerned teacher shall prescribe the pattern of assessment prior to the commencement of the classes.

11.3.5.2 Assessment pattern for Integrated Courses: The weightage of various components of CIE for Integrated Courses is shown in the Table 8.

Table 8: Assessment pattern for Integrated Courses

Component	Theory			Practical		Total Marks	Total marks for awarding Letter Grade
Types of Assessment	Test*	Quiz/AAT	Unit VI AAT	Records and Performance	Lab Test† & Viva Voce		100
Max. CIE Marks	30	5	15	25	25†	50††	
Max. SEE Marks						50**	

NOTE:

*There shall be two tests for theory component of Integrated Courses and the sum of two tests shall be considered for final assessment. The third test may be

conducted for the students who are absent in any one of the tests for valid reason. The third test may also be conducted for other students in consultation with concerned Faculty and the Chairperson of the respective Department.

**SEE shall be conducted for 100 marks for theory component and the marks obtained shall be reduced for 50 Marks. There shall be no SEE for Practical component.

†The test for Practical component shall be conducted by 2 examiners, with one of them being the course faculty, for 50 marks and shall be reduced to 25.

††The CIE shall be conducted for theory and practical components for 50 marks each and the marks shall be reduced for 50 marks.

If AAT is employed, the concerned teacher shall prescribe the pattern of assessment prior to the commencement of the classes.

11.3.5.3. Assessment pattern for Comprehensive Courses: The weightage of various components of CIE for Comprehensive Courses is shown in the Table 9.

Table 9: Assessment pattern for Comprehensive Courses

Component	Theory			Practical		Self-Study	Total Marks	Total marks for awarding Letter Grade
	Test*	Quiz/AAT	Unit VI AAT	Records and Performance	Lab Test & Viva Voce	AAT		
Types of Assessment							50††	100
Max. CIE Marks	30	5	15	20	20†	10		
Max. SEE Marks							50**	

NOTE:

*There shall be two tests for theory component of Comprehensive Courses and the sum of two tests shall be considered for final assessment. The third test may be conducted for the students who are absent in any one of the tests for valid reasons. The third test may also be conducted for other students in consultation with faculty and the Chairperson of the respective Department.

**SEE shall be conducted for 100 marks for theory component and the marks obtained shall be reduced for 50 marks.

†The test for Practical component shall be conducted by 2 examiners, with one of them being the course faculty, for 50 marks and shall be reduced for 20marks.

As AAT is employed, the concerned teacher shall prescribe the pattern of assessment prior to the commencement of the classes for award of 10 marks.

†† The CIE shall be conducted for theory and practical components for 50 marks each and the marks shall be reduced for 50 marks.

11.4 Semester End Examination (SEE)

The SEE shall be conducted by the College/University.

- 11.4.1. SEE Answer scripts: There shall be double valuation of SEE answer scripts by the Course Faculty and an External Examiner appointed by the BoE and the average marks of two valuations shall be considered. If the difference between two valuations is more than 15% of maximum marks, there shall be a board valuation, in which case the average of two nearest marks shall be considered.
- 11.4.2. Board Valuation: A third examiner is appointed by the Chairman, BoE.
- 11.4.3. After the announcement of results, there shall be a provision for providing photocopy of the answer books to students, for a prescribed fee.
- 11.4.4. Revaluation: If the student is not satisfied with the result obtained, there shall be a provision for revaluation, for a prescribed fee. The revaluation is a single valuation carried out by an examiner, who has not valued the script in regular/board valuation, to be appointed by the Chairman, BoE. The maximum of marks already announced or the marks obtained in revaluation shall be the final assessment. If the difference between the valuation and revaluation exceeds 15% of the maximum marks, it shall be referred to Examination Adjudication Committee, whose assessment is final.
- 11.4.5. Examination Adjudication Committee is chaired by concerned Chairperson (BoS), and consists of Chairperson (BoE) and a subject expert as members.
- 11.4.6 Gracing rules shall be adopted for SEE component in accordance with prevailing Bangalore University Regulations.

11.5 Passing Standards

The absolute linear grading method is employed for the determination of passing standards. The minimum marks for passing in respect of CIE and SEE for each Course is shown in Table 10.

Table 10: Passing Marks using Absolute Linear Grading

Course Type	CIE		SEE		CIE & SEE
Theory	$\geq 50\%$		$\geq 50\%$		$\geq 50\%$
Practical	$\geq 50\%$		$\geq 50\%$		
Integrated Course	Theory	$\geq 50\%$	Theory	$\geq 50\%$	
	Practical	$\geq 50\%$	----	----	
Comprehensive Course	Theory	$\geq 50\%$	Theory	$\geq 50\%$	
	Practical	$\geq 50\%$	----	----	
	Self-Study	$\geq 50\%$	Self-Study	----	

- 11.6 Make-up Examination:** The make-up examination facility shall be available to students who have obtained F, I and X grades in the SEE. The standard of the Make-up Examination shall be the same as that of regular SEE for the courses. The Make-up Examination shall be held as per dates notified in the Academic Calendar. The grades obtained in the Make-up Examination (D, C, B, A, S) shall be reduced to the next lower grade and grade 'F' shall remain unchanged. However, there shall be no Make-up examination for Practical courses and Practical component of Integrated and Comprehensive courses.

11.7 There shall be NO Make-up Examination for any Course in the credit system for students who have

- 11.7.1 absented themselves from attending CIE or SEE or both, without valid reasons (Section 13.2.4.1 and 12.8); or,
- 11.7.2 been detained for want of attendance; or,
- 11.7.3 obtained Grade W (Section 13 & 14) in a course and shall be required to Re-Register for the course(s) and go through CIE and SEE again and obtain a Grade equal to or better than E in each case.

11.8 Dissertation Work

- 11.8.1 The Dissertation Work shall be carried out individually by students during III Semester (Phase I) and IV Semester (Phase II). Chairman of the concerned Department in consultation with the faculty shall assign a supervisor/ guide for each student to carry out the Dissertation work. The student shall report the progress of the work to the supervisor/guide once in a week.
- 11.8.2 The evaluation of CIE of the Dissertation Work Phase I and Phase II shall be based on the progress achieved through presentations, demonstration, documentation and Viva-Voce.
- 11.8.3 The SEE of Dissertation Work Phase I shall be jointly conducted by the Guide and an External Examiner appointed, in consultation with Guide, by the Chairperson (BoE).
- 11.8.4 All Dissertation reports shall go through plagiarism check, before submission and the similarity index shall be $\leq 25\%$.
- 11.8.5 The title of the Dissertation shall be indicated in the Grade Card.
- 11.8.6 The Dissertation Work Phase II shall be submitted in the last fifteen days of normal duration of the course i.e., two years.
- 11.8.7 The SEE (Viva-Voce Examination) of the Dissertation Work Phase II shall be jointly conducted by the Chairperson (BoE), Guide and an External Examiner, appointed by the Chairperson (BoE).
- 11.8.8 There shall be a Dissertation Work Monitoring Committee (DMC) at Department level to oversee the activities of the Dissertation Work Phase I & Phase II.
- 11.8.9 Topic of Dissertation Work can be interdisciplinary in nature and in line with the specialization of the Programme.

11.9 Internship and Mini Project

- 11.9.1 The student shall undergo either an Internship or carry out a Mini Project.
- 11.9.2 The Internship shall be for a minimum period of 8 weeks after II semester without affecting the regular classes of III semester, to gain experience in an industry/ organisation/ premier institutions like NITs, IITs, IIITs and I.I.Sc,
- 11.9.3 The Mini Project work shall be related to the specialization of the Programme.

- 11.9.4 The evaluation of CIE of the Internship and Mini Project work shall be based on the progress of the student during Internship/ Mini Project work, through presentation, demonstration, documentation and Viva-voce.
- 11.9.5 The SEE of Internship and Mini Project work shall be jointly conducted by the Guide and an External Examiner, appointed by the Chairperson (BoE).
- 11.9.6 Rubrics for awarding marks under CIE and SEE shall be as per the norms of the Department.
- 11.9.7 The student shall submit a report on Internship and Mini Project to the Guide and the Department.
- 11.9.8 The topic of Mini Project can be interdisciplinary in nature, in which case the resources, including faculty, of other departments can be utilized.

11.10 Seminar

All students shall have to make presentation in each semester choosing the topics relevant to the specialization of the programme. CIE of seminar work shall be awarded by concerned faculty member/guide. The rubrics for awarding CIE marks as per the requirements of the Department.

12 COURSE RE-REGISTRATION

- 12.1 In the case of core course(s), students shall have to Re-Register for the same course(s).
- 12.2 In the case of program elective course(s) and open elective course(s), students can Re-Register for same courses or alternative course(s) from among the program elective courses / open electives of the same group. The Re-Registration shall be possible when a particular course(s) is offered in regular semesters.

13 ATTENDANCE REQUIREMENT

- 13.1 All students shall maintain a minimum attendance of 75% in each course registered. Any student failing to meet the above standard of attendance in any course(s) registered shall not be allowed to appear for SEE of such course(s).
- 13.2 Attendance at all examinations, both CIE and SEE, of each course registered shall be compulsory for the students.
- 13.3 Student against whom disciplinary action by the College is pending may not be permitted to attend the SEE in that semester.
- 13.4 The basis for the computation of the attendance shall be the period prescribed by the College by its calendar of events. For the first semester students, the same is reckoned from the Date of Admission to the Course.
- 13.5 The students shall take note of his/her attendance status periodically from the respective faculty and strive to make up the shortage. The Departments shall periodically announce the attendance status of the students. Non-receipt of such information from the College shall not be considered as valid reason for exemption from the attendance requirements.

- 13.6 If a student does not fulfil the attendance requirements in any course, then he / she shall not be permitted to attend the SEE in that course and is deemed to have been declared 'F' Grade (Fail) in that course.
- 13.7 In respect of Integrated Courses 75% of attendance shall be maintained in theory as well as in practical component of the course. If he / she fails to maintain the 75% attendance in any one component, the student shall not be permitted to take up SEE in that course.
- 13.8 Exemption in attendance shall be given only to a student if he/she represents, with prior permission, the University/Institution at the State level / National level / International level Technical/Cultural/Sports Events.

14 GRADING

14.1 General

14.1.1 The grading system has replaced the evaluation of student's performance in a course based on absolute marks. This is to ensure uniformity in the grading practice at different Universities/Colleges to facilitate the migration of students or transfer of credits among Universities/Colleges under the Universities.

14.1.2 Letter Grades: The letter grade is a qualitative measure (an alphabet/ letter) to assess the performance of a student in a course and the Grades awarded are as follows:

- (i) Outstanding (S)
- (ii) Excellent (A)
- (iii) Very Good (B)
- (iv) Good (C)
- (v) Average (D)
- (vi) Pass (E)
- (vii) Fail (F)

The Grades are based on the absolute marks (as in conventional practice) obtained by the student. This is usually arrived at after the student's performance is assessed in a course that includes both CIE and SEE. To begin with, absolute marks for the total are awarded, followed by grouping of all the students in a course under different grading levels.

14.1.3 Absolute Grading: The College / University has adopted the absolute grading system.

14.2 Grade Points

14.2.1 The College follows the 10-point grading system, as shown in Table 11.

Table 11: Grade Points Scale (Absolute Grading)

Level	Outstanding	Excellent	Very Good	Good	Average	Pass	Fail
Grade	S	A	B	C	D	E	F
Grade Points	10	09	08	07	05	04	00
Marks Range (%)	≥ 90	≥ 80 - < 90	≥ 70 - < 80	≥ 60 - < 70	≥ 55 - < 60	≥ 50 - < 55	< 50

14.2.2 The grade points given in Table 11 help in the computation of credit points earned by the student in a course. The credit points are equal to the number of credits assigned to the course multiplied by the grade points secured by the student in that course. This shall be used in arriving at the credit index of the student for that semester. The credit index is the sum total of all the credit points earned by the student for all the courses registered in that semester.

14.2.3 Earning of the Credits: A student shall be considered to have completed a course successfully and earned the credits if he/she secures an acceptable letter grade (S, A, B, C, D, E). Letter grade 'F' in any course implies failure of the student in that course and with no credits earned.

14.2.4. If a student is absent for SEE of a course, no grade shall be awarded and shall be marked Absent in the Grade card with zero grade point. Such students shall re-register for the course as and when offered.

14.2.5 Transitional Grades: The transitional grades, such as 'I', 'W', 'X' shall be awarded to a student in the following cases. These transitional grades shall be converted into any one of the letter grades (S to F) after the student completes his/her Course requirements, including the Examination.

14.2.5.1 Grade 'I': Grade 'I' is awarded to a student having satisfactory attendance at classes and meeting the passing standard at CIE in a course, but has had remained absent from SEE for valid and convincing reasons acceptable to the College, under the following circumstances:

- a) Accident or severe illness leading to hospitalization that disables the student from attending Semester End Examination (SEE).
- b) A calamity in the family at the time of SEE that requires the student to be away from the College.
- c) Student represents, with prior permission, the University/Institution at the State level / National level / International level Technical/Cultural/Sports Events.

d) In the event of (a) or (b) or (c) above, it is the responsibility of the Student/Parent/Guardian to inform the College authorities (Proctor/Chairperson/Principal) immediately. The information shall be in the form of either written communication, personal communication by Parent/ Guardian/ Peer or any Electronic Messages. The candidate needs to submit all the relevant documents (hospital reports, police reports, certificates from competent authorities).

e) The student who has earned 'I' grade shall be provided with an opportunity to appear for the Make-up Examination.

14.2.5.2 Grade 'X': Grade 'X' is awarded to a student having attendance $\geq 75\%$ and CIE marks $\geq 80\%$ in a course, but SEE performance observed to be poor, that could result in an overall 'R' Grade in the course. In this case 'R' grade is not awarded but student's performance record is maintained separately. However, the student shall be provided with an opportunity to appear for the Make-up Examination.

14.2.6 Grade 'W': Grade 'W' is awarded to a student having satisfactory attendance and has withdrawn from that course before the prescribed date in a semester on the request of the student and the recommendation of the Course faculty. The student shall Re-Register for the said course in the regular semesters only. All the 'W' grades awarded to the students shall be eligible for conversion to the appropriate letter grades only after the concerned students re-register for these courses in regular semesters (Odd / Even) only and achieve the passing standards.

14.2.7 Grade 'Au': Grade 'Au' is awarded if the student has registered for a course for audit purposes only, provided that the student satisfies the attendance requirements as stipulated in Section 12. This grade would carry no grade points and is not used in the computation of SGPA or CGPA.

14.2.8 Grade Card: Each student shall be issued a Grade Card at the end of each semester. This shall have a list of all courses registered by a student in the semester and the credits earned. In addition to the letter grades with grade points, the grade card shall contain transitional grades 'I', 'W' and 'X' that does not carry any grade points. Hence, only the courses registered for credit and having grade points shall be included in the computation of SGPA and CGPA. The grade card of a semester shall contain the total credits earned till that semester.

14.2.8.1 The courses taken for audit shall not form part of this computation. The results of Mandatory courses that are of the non-credit type shall also be reflected in the Grade Card as 'PP' (for Passed) or 'NP' (for Not Passed). It may be noted that every student shall have to obtain the grade 'PP' in each Mandatory non-credit course to qualify for award of the Degree by the University.

14.2.9 In the event, a student fails in Mini Project/Dissertation Work and/or CIE of a course in the final year, the student shall be given grade 'I' for the Course(s). In such a case, the Institution may grant the student extra time not exceeding 12

weeks for completing the course with due concurrence of the faculty and Chairperson of the Department. If no such extra time is sought/granted, the concerned student shall have to Re-Register for the course(s) in the succeeding regular semester and fulfil the academic requirements for award of the Degree.

14.2.10 All the transitional grades ('I' and 'X') awarded to a student shall have to be converted to an appropriate letter grade after the Make-up Examinations. Any outstanding 'I' and 'X' grades of students who remained absent from Make-up Examinations shall be converted to 'F' grade automatically.

14.3 Grade Point Averages

14.3.1 SGPA and CGPA: The credit index is used for computing the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA). SGPA is equal to the credit index for a semester divided by the total number of credits registered by the student in that semester. CGPA is the sum total of credit indices of all the previous semesters, including the current semester, divided by the total number of credits registered in all these semesters.

The SGPA and CGPA shall be computed as shown below:

Semester Grade Point Average (SGPA)

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

$$\frac{\sum [(Course Credits) \times (Grade Points)]}{\sum [(Course Credits)]}$$

(for all courses in that semester under consideration excluding transitional grades)

$$\frac{\sum [(Course Credits) \times (Grade Points)]}{\sum [(Course Credits)]}$$

(for all courses in that semester under consideration excluding transitional grades)

Cumulative Grade Point Average (CGPA)

The CGPA is also calculated in the same manner as that of SGPA taking into account all the courses undergone by a student over all the completed semesters of a Programme including the current semester, i.e.

$$\frac{\sum [(Course Credits) \times (Grade Points)]}{\sum [(Course Credits)]}$$

(for all courses excluding those with F and transitional grades of semesters under consideration)

$$\frac{\sum [(Course Credits) \times (Grade Points)]}{\sum [(Course Credits)]}$$

(for all courses excluding those with F and transitional grades of semesters under consideration)

SGPA and CGPA facilitate the declaration of academic performance of a student, at the end of a semester and at the end of successive semesters respectively. SGPA and CGPA shall be normally calculated up to the second decimal position, so that the CGPA, in particular, can be made use of, in ranking the students in a class. If two students get the same CGPA, the tie should be resolved by considering the number of times a student has obtained higher SGPA.

If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B etc., shall be taken into account in ranking the students in a class.

14.3.2 An illustrative example given in Table 12 indicates the computation of SGPA and CGPA as in Section 14.3:

Table 12: Typical example - Calculation of SGPA/CGP

Semester (Odd:I) (Even:II)	Course No.	Credits	Grade	Grade Points	Credit Points	SGPA	CGPA
I	101	1	S	10	10		
I	102	1.5	F	0	00		
I	103	3	A	9	27		
I	104	4	B	8	32		
I	105	3	W	-	-		
Total		9.5 (8*)			69	7.26 (69/9.5)	7.26 (69/9.5)
II	107	3	C	7	21		
II	108	4	B	8	32		
II	109	3	D	5	15		
II	110	1.5	E	4	06		
II	111	1	F	0	00		
Total		12.5 (11.5*)			74	5.92 (74/12.5)	6.50 (143/22)
Makeup Exam	102	1.5	B	8	12		
Regular Exam	105	3	C	7	21		
Makeup Exam	111	1	D	5	5		
Total		5.5			38	6.91 (38/5.5)	6.58 (181/27.5)

*Total No. of credits excluding those with 'F' and transitional grades. This is particularly important to keep track of the number of credits earned by a student up to a semester under consideration.

14.4 Vertical Progression

Minimum score for SGPA and CGPA along with the minimum number of credits are prescribed for the vertical progression of students. This facilitates the mobility of students from one college to another. The vertical progression of students is applied between two successive semesters and the academic year.

The following are the prescribed scores for vertical progression:

- a) Minimum Score for SGPA = 6.5
- b) Minimum Score for CGPA = 6.5 (at the end of academic year)

- c) Maximum number of 'F' Grades that can be carried forward at the end of each semester is 2 excluding audit courses.
- d) The maximum number of withdrawals at any given time shall not exceed two courses subject to maintaining the minimum registration requirements.
- e) Student shall satisfy passing standards of all courses, before the submission of Dissertation Work Phase II.

14.5 Award of Class:

The class shall be awarded after the student earns a total of 88 credits. Table 13 shows the mapping of the range of percentage marks, the range of GPA and the award of class.

Table 13: Award of Class

Percentage of Marks	Range of Grade Point Average (SGPA or CGPA)	Class
≥ 50 and < 60	≥ 5.75 and < 6.75	Second Class (SC)
≥ 60 and < 75	≥ 6.75 and < 8.25	First Class (FC)
≥ 75	≥ 8.25	First Class with Distinction (FCD)

NOTE: The percentage of marks for a given SGPA/CGPA can be computed using the formula: % Marks Scored = [CGPA – 0.75] X 10

14.5.1 The First Class with Distinction is awarded only if passing standard is achieved in all the courses in FIRST attempt only. The appearance in Make-up Examination, under any circumstance, shall be counted as an attempt for the declaration for First Class with Distinction. For students appearing for Make-up Examination with an I grade, it shall not be counted as First attempt.

14.6 Graduation Ceremony

14.6.1 The college will organize annual Graduation Day Ceremony for the award of Degrees to students completing the prescribed academic requirements.

14.6.2 The college Awards Ranks and Medals to the meritorious students during the Graduation Day Ceremony to encourage the students to strive for excellence.

15. OTHER ACADEMIC MATTERS

15.1 Academic Schedules

The Academic Calendar is announced before the commencement of every academic year to assist the students and faculty. The calendar includes, dates for registration of courses, dropping of courses, withdrawal from courses, CIE tests and quizzes, SEE, Make-up Examinations etc. This enables the students to plan their studies for CIE and/or SEE and take full advantage of the flexibility provided by the CBCS.

15.2 Registration of Courses

Each student shall have to register for course work at the beginning of a semester as prescribed in the academic calendar. The student has to compulsorily register for all the stipulated credits in the first semester of the programme. From second semester onwards

the registrations shall be within the limits of minimum (≥ 16) and maximum (≤ 32) credits. The students may seek faculty advice and discuss with the proctor/faculty prior to registration of courses.

15.3 Dropping of Courses

A specific period in the middle of a semester is fixed for this purpose and to help review the student's performance in CIE by the faculty advisors (proctors). The students having poor performance have the option to drop the identified course(s) up to the minimum credits specified for the semester. The dropped courses shall not be mentioned in the Grade Card. Such courses have to be Re-Registered by these students in the regular semesters at a later time.

15.4 Withdrawal from Courses

A specific period is identified towards the end of a semester to help review the students' performance in CIE by the Proctor. The Proctor shall advise the students having poor performance to withdraw from identified course(s) (up to the minimum credits specified for the semester) with a mention in the Grade Card 'W'. Such courses have to be re-registered by these students in the regular semesters at a later time.

(i) When to withdraw?

A student is allowed to withdraw from a course(s) before one week counted from the last date of the second CIE test or as mentioned in the Academic Calendar.

(ii) Separate circular/notification shall not be issued in this regard. It is the responsibility of the student to withdraw from the courses within the stipulated time failing which the student shall continue with the course and fulfil the academic requirements.

15.5 Temporary withdrawal from Programme

(i) A student may withdraw temporarily from the programme on grounds like, prolonged illness, grave calamity in the family or any other serious circumstances. The withdrawal shall be for periods which are integral multiples of a semester, provided that:

(a) The student shall apply to the college within six weeks from the commencement of the semester or the date he/she last attended the classes, (whichever is later) stating fully the reasons for such a withdrawal, together with supporting documents and endorsement of his/her parent/guardian.

(b) The college is satisfied about the genuineness of the case and by taking into account the expected period of withdrawal, the student has the option to complete the programme requirements within the time limits specified by the College/University.

(c) The student does not have any dues or demands at the College/University including tuition fee, hostel, library, laboratory and other dues.

(ii) A student availing of temporary withdrawal from the college under the above provision shall be required to pay such fees and/or charges as may be fixed by the

college until such time as his/her name appears on the Student's Roll List. However, the fees/charges once paid shall not be refunded under any circumstances.

- (iii) Normally, a student shall be entitled to avail the temporary withdrawal facility only once during his/her studentship of the programme. However, any other concession, including multiple withdrawals, shall have to be approved by the Academic Council of the University on the recommendation of the Principal.

15.6 Termination from the Programme

A student shall be terminated from the programme and shall leave the college on the following grounds:

- (i) Getting Grade 'F' in any course in more than three attempts.
- (ii) Failure to secure a CGPA ≥ 5.75 on three consecutive examinations.
- (iii) Absence from classes for two consecutive semesters (Odd and Even) at a time without leave of absence being granted by competent authorities.
- (iv) Failure to meet the standards of discipline as prescribed by the College / University from time to time.
- (v) Joining/Reporting for duty in any Organization/Institution as a regular/part time/contract employee within two years of date of admission and before the submission of the report of Dissertation Work Phase II.

15.7 Student's feedback

- (i) The college shall obtain feedback from the students on their course work and various academic activities. The feedback is obtained from the students at regular intervals, as decided by the College/University, maintaining confidentiality.
- (ii) The feedback received from the students shall be reviewed by a committee constituted for the said purpose and necessary corrective measures shall be initiated.

15.8 Suitable assessment tools and processes shall be incorporated for evaluation of course outcomes and program outcomes through direct and indirect methods required for accreditation of programmes by NBA.

15.9 To facilitate Institute-Industry interaction, guest lectures from industry, R & D organizations may be arranged in every semester.

15.10 With the approval of the competent bodies, provision is made to introduce new elective courses and mandatory courses based on the changing requirements even before the revision of Scheme and Syllabus of CBCS Regulations 2018.

16. AWARD OF PRIZES, MEDALS AND RANKS

For the award of Prizes, Medals and Ranks, the conditions stipulated by the Donor shall be considered as per the statutes framed by the College/University.

17. CONDUCT AND DISCIPLINE

17.1 Students shall conduct themselves within and outside the college campus in a manner befitting the students of an Institution of National Importance.

17.2 As per the order of Honourable Supreme Court of India, ragging in any form is considered as a criminal offence and is banned. Any form of ragging will be severely dealt with.

17.3 The following acts of omission/ or commission shall constitute gross violation of the Code of Conduct and are liable to invoke disciplinary measures:

- a) Ragging
- b) Lack of courtesy and decorum; indecent behaviour anywhere within or outside the campus
- c) Wilful damage or stealthy removal of any property/belongings of the college/hostel or of fellow students/citizens.
- d) Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.
- e) Mutilation or unauthorized possession of Library books.
- f) Noisy unseemly behaviour and disturbing studies of fellow students.
- g) Hacking in computer systems i.e. entering into other person's area without prior permission, manipulation and / or any other cyber-crime etc.
- h) Plagiarism of any nature.
- i) Any other acts of gross indiscipline as decided by the College/University from time to time.
- j) Use of mobile in the academic area of the college.
- k) Smoking in college campus and tobacco chewing.
- l) Unauthorized fund raising and promoting sales.

Commensurate with the gravity of the offence, punishment may be: reprimand, expulsion from the hostel, debarring 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.

17.4. For an offence committed in

- (i) Hostel
- (ii) Department or in a class room and
- (iii) Elsewhere, the chief warden, the Chairperson of the Department and the Dean (Academics), respectively, shall have the authority to reprimand or impose fine.

17.5. All cases involving punishment other than reprimand shall be reported to the Principal.

17.6. Cases of adoption of unfair means and/ or any malpractice in an examination shall be reported to the Registrar (Evaluation) for taking appropriate action.

18. TRANSITION FROM NON-CBCS SCHEME TO CBCS SCHEME

- 18.1 Students who are not eligible to register for higher semesters under Non-CBCS scheme shall be given the benefit of full carryover, as and when CBCS scheme becomes operational for lower semester/s.
- 18.2 Students who have Not Satisfied with Sessional Requirements (NSSR) under Non-CBCS scheme shall
- (i) join M.Tech. CBCS scheme, if the student has NSSR in First Semester M.E.
 - (ii) continue in M.E. parallel Non-CBCS scheme, if the student has NSSR in Second or higher semesters.

19. INTERPRETATION

- 19.1. Any question that arises as to the interpretation of these rules and regulations shall be decided by the College / University, whose decision shall be final and binding on the student in the matter. The College / University 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.
- 19.2. Academic rules and regulations of CBCS may be altered/changed from time to time by the academic council of the College / University.
- 19.3. Failure to read and understand Academic rules and regulations of CBCS is not an excuse. (Ignorantia juris non excusat)

20. REPEAL AND SAVINGS

- 20.1 The Provisions of these Regulations, the Provisions of Guidelines, Order, Rule or Regulations in force shall be inapplicable to the extent of their inconsistency with these Regulations.
- 20.2 The University shall issue such orders, instructions, etc., and prescribe such format, procedure, etc., as it may deem fit to implement the Provisions of these Regulations.
- 20.3. In case of any difficulty in the implementation, or giving effect to the provisions of these Regulations, the decision of the Vice Chancellor is final.
