P.E.S. COLLEGE OF ENGINEERING (AUTONOMOUS), MANDYA – 571 401

(Affiliated to Visvesvaraya Technological University, Belagavi)

ACADEMIC REGULATIONS

[B.E., M.Tech., M.C.A. & M.B.A.]

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2018 - 19

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ACADEMIC REGULATIONS
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1.   TITLE AND COMMENCEMENT:

1.1.   These Regulations shall be called "P E S College of Engineering, Mandya, (PESCE) Regulations - 2018 under Visvesvaraya Technological University, Belagavi for Bachelor of Engineering (B.E.), Master of Technology (M.Tech.), Master of Computer Applications (MCA) and Master of Business Administration (MBA) Degree programmes. All the rules and regulations have been approved by the Academic Council Constituted by PESCE, Mandya.

1.2.   These Regulations shall govern all the students seeking admission to the various programmes from the academic year 2018-19.

REGULATIONS (GENERAL)

G.1 INTRODUCTION

G.1.i   The General Regulations that are common to all Undergraduate (UG) and Postgraduate (PG) Degree Programmes of PESCE, are presented here. Specific regulations relating to a particular Degree Programmes are given separately along with the corresponding curriculum.

G.1.ii   These Regulations govern the policies and procedures on the admission of students, teaching, conducting of examinations, evaluation, announcement of results and Graduation ceremony.

G.1.iii   These Regulations are approved by the Governing body of PESCE on recommendation of the Academic Council of PESCE and shall supersede all corresponding earlier Regulations of the PESCE College, along with the amendments thereto, and shall be binding on all concerned undergoing the said programmes.

G.1.iv   These Regulations may evolve, get refined, revised, updated, amended, modified or changed through appropriate approvals from the Governing body on the recommendation of the Academic Council from time to time, and shall be binding on all parties concerned.

G.1.v   Periodic refinements in the Academic Regulations and Curriculum on the students admitted in the earlier years, shall be dealt with appropriately and carefully, so as to ensure that such students are not subjected to any injustice whatsoever, although they are required to conform to these revised Regulations and Curriculum.

G.1.vi   In order to guarantee fairness and justice to all the parties concerned, in view of the periodic revisions and refinements, specific issues referred to shall be addressed separately by the Academic Council of the College.

G.1.vii   The Governing Body shall consider all issues relating to the Academic activities of PESCE for appropriate action, irrespective of whether a reference is made in these Regulations or otherwise.

G.1.viii   The Principal may co-opt or invite experts from outside or within to any of the Academic Council meetings.

G.1.ix   Any disputes arising from these Regulations must be addressed to the Governing Body of PESCE. The decision of the Governing Body shall be final and binding on all parties concerned.

G.1.x   Any legal disputes arising from these Regulations shall be limited to the legal jurisdiction determined by the location of PESCE, which is the City of Mandya, Karnataka State and not that of any other party.

2.   NOMENCLATURES USED:

(i)   **"Academic Autonomy"** means freedom granted by the University to a College in all aspects of conducting its academic programmes for promoting excellence.

(ii)   **"Autonomous College"** means a College notified as an *autonomous college* by the University as per the VTU Statutes on Autonomous Colleges (Amended) 2011 and further amended from time to time as per UGC Regulations/Guidelines.

(iii)   **"Commission"** means University Grants Commission.

(iv)   **"Council"** means All India Council for Technical Education.

(v)   **"University"** means Visvesvaraya Technological University.

(vi)   **"College"** means P. E. S. College of Engineering (PESCE), Mandya.

(vii)   **"AC"** means Academic Council of PESCE.

(viii) **"BoS"** means Board of Studies of various disciplines of PESCE.

(ix)   **"BoE"** means Board of Examiners of various disciplines of PESCE.

3.   PROGRAMMES OFFERED IN THE COLLEGE

(i)   UG Level: Bachelor of Engineering (B.E.)

(ii)   PG Level: Master of Technology (M.Tech)

                       Master of Computer Applications (M.C.A.)

                       Master of Business Administration (M.B.A.)

3.1.   UG AND PG DEGREE COURSES

(i)   B.E. Degree Programmes

        Automobile Engineering

        Civil Engineering

        Computer Science and Engineering

        Electrical and Electronics Engineering

        Electronics and Communication Engineering

        Industrial & Production Engineering

        Information Science and Engineering

        Mechanical Engineering

            Other Teaching departments are:

                Physics,

                Chemistry,

                Mathematics&

                Humanities, Social Science and Management.

(ii)   **M.Tech. Degree Programmes**

Civil Engineering	-	CAD of Structures
Computer Science and Engineering	-	Computer Science and Engineering
	-	Computer Engineering
Electronics and Communication Engineering	-	VLSI & Embedded system
Mechanical Engineering	-	Machine Design

(iii)   **Master of Computer Applications (MCA)**

(iv)   **Master of Business Administration (MBA)**

4.   DURATION OF THE COURSE

4.1.   **Normal Duration:**

The normal duration of an academic programme is

    (i)   Four years for B.E.

    (ii)   Two years for M.Tech. and M.B.A.

    (iii)   Three years for M.C.A.

4.2 Maximum Duration:

The maximum period that a student can take to complete an academic programme shall be double the normal duration of the programme. Further, the maximum period for students under lateral entry for B.E. course shall be six years and in case of lateral entry for M.C.A. course shall be four years.

The total number of credits required to be earned by a student to qualify for the award of Degree shall be as given in Table 1.

Table 1: Total Number of *Credits* to Qualify for Degree Award			
Programme		Normal Duration: Years (Semesters)	Total number of *Credits* to be Earned
UG Degree	*B.E.*	4 (8)	175
	B.E. (Lateral)	3 (6)	135
PG Degree	*M. Tech.*	2 (4)	88
	M.B.A.	2 (4)	100
	M.C.A.	3 (6)	132
	M.C.A. *(Lateral)*	2 (4)	88

5.   COURSE STRUCTURE

(a)   **B.E. Programme:** The B.E. Programme shall consist of courses and each course shall be assigned with credits. The Minimum credit requirement for the B.E. and B.E. (Lateral) degree are 175 and 135 respectively. The total course of a B.E. degree programme will typical consists of

    i.   **Humanities, Social Sciences and Management (HSMC)**   06 – 08 Credits

    ii.   **Basic Sciences (BSC)**   25 – 30 Credits

iii.	**Engineering Sciences (ESC)**	20 – 25 Credits
iv.	**Professional Courses (PCC) – Core**	65 – 70 Credits
v.	**Professional Courses(PEC) –Elective**	12 – 15 Credits
vi.	**Other Open Elective Courses(OEC)**	06 – 09 Credits
vii.	**Project Work (PROJ)**	15 – 20 Credits
viii.	**Mandatory Learning Courses**	No Credits

(b) **M.Tech. Programme:** The M.Tech. Programme shall consist of courses and each course shall be assigned with credits. The Minimum credit requirement for the M.Tech. degree is 88. The total course of an M.Tech. degree programme will typical consists of

i.	**Core Courses**	30 – 35 Credits
ii.	**Elective Courses**	15 – 20 Credits
iii.	**Industrial Training / Seminar / Term Paper**	10 – 15 Credits
iv.	**Project Work (PROJ)**	25 – 30 Credits

(c) **M.C.A. Programme:** The M.C.A. Programme shall consist of courses and each course shall be assigned with credits. The Minimum credit requirement for the M.C.A. and M.C.A. (Lateral) degree are132 and 88 respectively. The total course of a M.C.A. degree programme will typical consists of

i.	**Core Courses**	65 – 70 Credits
ii.	**Elective Courses**	25 – 30 Credits
iii.	**Industrial Training / Seminar / Mini Project**	05 – 10 Credits
iv.	**Project Work (PROJ)**	25 – 30 Credits

(d) **M.B.A. Programme:** The M.B.A. Programme shall consist of courses and each course shall be assigned with credits. The Minimum credit requirement for the M.B.A. degree is 100. The total course of a M.B.A. degree programme will typical consists of

i.	**Core Courses**	50 – 55 Credits
ii.	**Elective Courses**	20 – 25 Credits
iii.	**Field work / Internship / Seminar**	05 – 08 Credits
iv.	**Project Work (PROJ)**	15 – 20 Credits

6. ADMISSION OF STUDENTS

(a) **Admission to first year B.E. Programme:** Candidates seeking admission to B.E. programs must fulfill the eligibility requirements stipulated by the Karnataka State Govt. at the time of admission. The selection procedure for admission shall be as stipulated by the Karnataka State Govt. through Common Entrance Test (CET) and COMEDK. The eligibility requirements and admission procedure to first year B.E. Programs which may change from time to time by the Karnataka State Govt.

Direct Admission to Second Year (Lateral Entry): Candidates seeking direct admission to the second year B.E program must fulfill eligibility requirements and selection procedures shall be stipulated by Government of Karnataka. The Candidates who have passed three year Diploma Examination conducted by the Director of Technical Education, Govt. of Karnataka can seek admission to B.E programs to the branch in which they have been awarded the Diploma.

A limited Number of admissions are offered to Non Resident Indians and management Candidates in accordance with the rules issued by the Govt. of Karnataka/ Govt. of India from time to time.

(b) **Admission to M.Tech. Programme:** The Candidates seeking admission to M.Tech. Programmes must fulfill the eligibility requirements stipulated by the Karnataka State Govt. at the time of admission.

Admission to M.Tech. Course shall be open for the candidates who have passed the prescribed qualifying examination with not less than 50% of the marks in aggregate. However, in the case of candidates belonging to SC / ST / Category-I, the aggregate percentage of marks in the qualifying examination shall not less than 45%.

There shall be a Post Graduate Common Entrance Test (PGCET)for admission of course conducted as per Karnataka State Government norms. The selection procedure for admission shall be based on the merit order of the candidates in the PGCET entrance examination.

The candidates, who are qualified in GATE examinations for the appropriate branch of engineering, shall be given priority and they are exempted from taking PGCET entrance examination. If sufficient GATE qualified candidates are not available, such seats shall be filled from amongst the candidates appeared for entrance examination in the order of merit.

Members of the Non-teaching / Research / Govt. Staff Assistants working in any engineering college recognized by AICTE either in the State of Karnataka or outside and who have put in a minimum of three years of teaching experience on full – time basis in Engineering colleges, Polytechnic institutions / any other institutions imparting Engineering education shall be eligible for admission of PG courses under sponsored quota, provided they are sponsored by the respective institutions / DTE. In case candidates are not available, candidates with minimum two years of teaching experience are allowed to the course against sponsored quota.

Members working in the State Government / Central Government / Quasi Government organizations / Public sector industries / Reputed private industries, shall also be eligible to seek admission to PG courses, provided they have put in a minimum of two years of working experience and shall be sponsored by the concerned organizations, against the sponsored quota.

The engineering graduates other than the graduates of any of the Universities of Karnataka State shall have to obtain eligibility certificate from the VTU to seek admission to M.Tech. Course of VTU.

The academic eligibility for admission is open to the M.Tech. Course to all the candidates who have passed B.E. / B.Tech. Examination (in relevant field) of VTU or any other university / institution or any other examinations recognized as equivalent are as follows:

    i.   **M.Tech. in Civil Engineering**
          a. **M.Tech (Computer Aided Design of Structures)** – Bachelor's Degree in Civil Engineering / Construction Technology or equivalent degree; AMIE in appropriate branch; GATE – Civil Engineering are eligible.
    ii.   **M.Tech. in Computer Science & Engineering**

a. **M.Tech (Computer Science & Engineering)** – Bachelor's Degree in Computer Science & Engineering / Information Science & Engineering / Electronics & Communication Engineering / Electrical & Electronics Engineering / Instrumentation Engineering / Telecommunication Engineering or equivalent degree; AMIE in appropriate branch; GATE – CS, EC, EE, IT, IN are eligible.

b. **M.Tech (Computer Engineering)** – Bachelor's Degree in Computer Science & Engineering / Information Science & Engineering / Electronics & Communication Engineering / Electrical & Electronics Engineering / Instrumentation Engineering / Electronics & Telecommunication Engineering / Telecommunication Engineering or equivalent degree; AMIE in appropriate branch; GATE – CS, EC, EE, IT, IN are eligible.

iii. **M.Tech. in Electronics & Communication Engineering**

a. **M.Tech (VLSI Design & Embedded System)** – Bachelor's Degree in Electronics & Communication Engineering / Electrical & Electronics Engineering / Instrumentation Engineering / Electronics & Telecommunication Engineering / Telecommunication Engineering / Bio – Medical Engineering / Medical Electronics or equivalent degree; AMIE in appropriate branch; GATE –EC, EE, IN are eligible.

iv. **M.Tech. in Mechanical Engineering**

a. **M.Tech (Machine Design)** – Bachelor's Degree in Mechanical Engineering / Industrial & Production Engineering / Automobile Engineering / Manufacturing Engineering / Industrial Engineering & Management or equivalent degree; AMIE in appropriate branch; GATE –ME, PI are eligible.

(c) **Admission to M.C.A Programme:**

The Candidates seeking admission to M.C.A. Programme must fulfill the eligibility requirements stipulated by the Karnataka State Govt. at the time of admission. The selection procedure for admission shall be as stipulated by the Karnataka State Govt. through Post Graduate Common Entrance Test (PGCET). The eligibility requirements and admission procedure for admission to first year M.C.A Program may be changed from time to time by the Karnataka State Govt.

Admission to MCA course shall be opened for the candidates who have passed the prescribed qualifying examination with not less than 50% of marks in the aggregate of all the years of degree examinations. However, the relaxation in the case of candidates belonging to SC / ST is 5%. Also any other group classified by Government of Karnataka for such purpose from time to time, the above aggregate percentage shall be introduced.

Admission is open to MCA course for all candidates who have passed Bachelor Degree of minimum three years duration or any other examinations recognized by Visvesvaraya Technological University (VTU) or other University / Institution or any other examination recognized as equivalent thereto. However he/she shall have studied Mathematics or Business Mathematics or Statistics or Business Statistics or Mathematics & Statistics or Computer Programming or Computer Science or Computer Applications either at degree level or at 10 + 2 level securing 50% of marks.

Direct Admission to Second Year (Lateral Entry): The Candidates seeking direct admission to the second year M.C.A. program must fulfill eligibility requirements and selection procedures shall be stipulated by Government of Karnataka. The Candidates who have passed 3 years duration examination in BCA, B.Sc. (I.T. / Computer Science) with Mathematics at 10 + 2 level or at Graduate Level and obtained an aggregate minimum of 50% marks taken together in all the subjects in all the years of the Degree Examination can seek admission to M.C.A programs through PGCET.

A Management Quota seats are also available subject to the availability of seats. The eligibility requirements and admission procedure for admission to first year M.C.A Programs may be changed from time to time by the Karnataka State Govt.

(d) **Admission to M.B.A Programme:**

Any graduates from a recognized university in India or by the Association of Indian Universities (AIU) considered equivalent, with a minimum of 50% aggregate marks for General Merit and 45% for SC / ST / Category – I candidates in the qualifying examination is eligible for admission. The eligibility requirements and admission procedure for admission to first year M.B.A Programs may be changed from time to time by the Karnataka State Govt.

The Candidates from Karnataka state seeking admission to M.B.A. Programmes must fulfill the eligibility requirements stipulated by the Karnataka State Govt. at the time of admission. The selection procedure for admission shall be as stipulated by the Karnataka State Govt. through Post Graduate Common Entrance Test (PGCET). The candidates who have qualified in MAT / CAT / XLRI / CMAT other recognized authorities can also seek admission.

The Candidates from outside Karnataka seeking admission to M.B.A. Programmes must fulfill the eligibility requirements stipulated by the Karnataka State Govt. at the time of admission. The candidates who have qualified in MAT / CAT / XLRI / CMAT other recognized authorities can also seek admission.

Migration certificate is necessary for the students who have completed their degree in universities other than VTU, Belagavi.

7. ACADEMIC CALENDAR

Each academic year shall be divided into.

(a)   Two main semesters.

(b)   One Supplementary semester; Students have to reregister for failed subjects, provided the college offers such subjects.

The breakdown of an academic year for implementing the *Semester Scheme* is given in Table 2 as a typical example:

	Table 2: A Typical Breakdown of Academic Year into Semesters	
1.	**Number of Semesters/Year**	Three; Two being Main Semesters *(Odd, Even)* and one being a Supplementary Semester at the end of Even semester.
		(Note: Supplementary Semester is primarily to assist the slow learners *and/or repeater students for repeating the courses. However, the slot can be used for other students and/or for deputing them for field work and/or internship.)*
2.	**Semester Durations (Weeks)**	Main Semesters *(Odd/Even): 20* each.
		Supplementary Semester: *9.*
3.	**A Typical Calendar**	**Main Semesters *(Odd/Even):***
		Registration of Courses- 0.5; Course Work- 15.5;
		Practical Examination-1.0; Examinations- 2.0;
		Declaration of Results- 1.0; *Total: 20.*
		Supplementary Semester (For Repeat Courses):
		Registration of Courses- 0.2;Course Work- 5.5;
		Practical Examination-1; Examination-2.0;
		Declaration of Results-0.3; *Total: 9.*
		Inter-Semester Recess:
		After each Main Semester– 1*to 2, flexible.*
		After Supplementary Semester– *1 to 2, flexible.*
		(Note: In each Semester, there shall be various provisions for students like, Registration of Courses at the beginning, Dropping of Courses in the middle and Withdrawal from Courses towards the end, all being under the Faculty Members' advice. These facilities are required to ensure proper monitoring of students by Faculty Advisors, leading to their improved learning capabilities and minimizing their chances of failure in the Courses registered.)
4.	**Examination**	Continuous Internal Evaluation *(CIE)* and Semester End Examination *(SEE),* both having equal weightages in the students' performance in Course Work/Laboratory Work and other activities.

8.   CREDIT SYSTEM

8.1.   General:

(a)   As the *Credit System* has many advantages over the conventional system of organizing academic programmes, it is necessary to introduce an appropriate *Choice Based Credit System (CBCS)* for the various programmes at PESCE. This will be of great benefit to the students in their preparations to meet the challenging opportunities ahead.

(b)   *Credit Definition:* One credit shall be equal to

Theory course: One hour of Teaching per week per semester;

Laboratory course / Tutorial: 2 hours per week per semester

8.2.   Credit Structure

A typical *Credit Structure* for coursework based on the above definition is given in Table 3. This shall be applicable for the coursework of students registered for UG and PG Programmes at the College.

Table 3: Typical Credit Structure for Course Work				
Lectures (L) (Hours/Week/Semester)	Tutorials (T) (Hours/Week/Semester)	Laboratory Work (P)(Hours/Week/Semester)	*Credits* (L:T:P)	*Credits* (Total)
4	0	0	4:0:0	4
3	2	0	3:1:0	4
3	0	0	3:0:0	3
2	2	0	2:1:0	3
2	0	2	2:0:1	3
2	2	2	2:1:1	4
0	0	6	0:0:3	3

9.   REGISTRATION

9.1.   Registration

Every student after consulting faculty advisor is required to register for the approved courses with DUGC of parent department at the commencement of each semester on the registration day which will be notified in the academic calendar.

9.2.   Late Registration

Late registration may be permitted only for valid reasons on payment of late registration fee within the prescribed date.

9.3.   Registration in Absentia

Registration in absentia may be allowed only in rare cases like of illness or other contingencies. Request should be forwarded by faculty advisor and HoD, finally should be approved by Dean (Academic).

9.4.   Eligibility for Registration

To be eligible to register for a higher semester, the student must have earned the required number of credits as stipulated for vertical progression as indicated in section 22.

9.5.   (i) Registration for backlog Courses

Students who could not complete course/s of odd or even (or both) semester/s in the respective SEE and subsequent supplementary examinations of a particular academic year, need to re-register for such courses during next academic year (corresponding odd / even semester) as fresh course/s, foregoing previous CIE marks.

(ii) Registration for detained course/s

Students detained for entire academic year for not fulfilling eligibility criteria for upward movement as per section 22 need to re-register during next academic year (corresponding odd/even semester) as fresh course/s and are eligible for SEE only after fulfilling satisfactory CIE and attendance.
(iii) Students having backlog course/s for having secured 'N' grade in either odd or even semester of a academic year need to re-register during next academic year (corresponding odd/even semester) as fresh course/s and are eligible for SEE only after fulfilling satisfactory CIE and attendance.

(iv) Registration of New Scheme

Students who could not complete Course/s of ODD or EVEN or (Both) Semester/s in the old Scheme MANDATORILY need to switch over to NEW Scheme as and when notified by the concerned departments.

9.6. Students who wish to reject prescribed courses of a particular semester/academic year, as per Section14, need to re-join by registering for all such courses in the subsequent academic year, with the approval from the Principal in accordance with the University regulations.

9.7 **Minimum and Maximum Number of Credits**

A student must register for the prescribed number of courses in a semester. The minimum number of credits for which a student can register is 16. The maximum number of credits for which a student can register is 25. However the student is advised to register for an average of 22 credits in each semester.

9.8. **A student has the option to ADD courses for registration till the date specified for late registration.**

9.9. **The student has an option to DROP course from registration as notified in the Academic calendar.**

9.10. A student can register for auditing a course, or a course can be converted from credit to audit or from audit to credit in consultation with the faculty advisor as notified in the Academic calendar best CORE courses cannot be converted for audit. Even for audit courses student has to go through a minimum level of evaluation and also the minimum attendance requirement. As per the advice of DUGC, "U" grade is awarded for such audit courses, failing which; such courses will not be listed in grade card.

10. ATTENDANCE REQUIREMENT

10.1. The student has to put in a minimum attendance of 85% in each course with a provision of condonation of 10% of the attendance due to illness, participation in co-curricular activities such as Seminars, Workshops, Paper presentation etc. and extra Curricular activities such as Sports, Cultural Activities etc.

10.2. The student shall be informed about their shortage of attendance periodically by the department to make up the shortage.

10.3. Students having attendance less than 75% in course/courses shall be awarded "N" grade. However, the core committee constituted by the college will decide on case to case basis for either Re-registration for such course/courses or being detained. If the same course is not offered, equivalent course recommended by DUGC should be taken, in case of change of scheme.

11. FACULTY ADVISORS / MENTORS

Teachers shall be appointed as faculty advisors by the respective Head of the Department for groups of students. The functions of such advisors shall include:

(a) Monitoring the academic and other general progress of the students.

(b) Advising them on registration and selection of courses.

(c) Assessing their academic performance and monitoring their attendance.

(d)   Advising the students on Withdrawing / Dropping of course/s based on their progress and capabilities.

12.   DROPPING OF COURSES

A specific time period shall be fixed e.g., in the middle of a semester for this purpose to be based on the review to be conducted of students' performance in CIE by the Faculty Advisors concerned. The review is to mainly assist the students having poor performance to be facilitated to *drop* the identified course(s) (up to the *minimum credits* specified for the semester) without being mentioned in the *Grade Card.* Such Courses are to be re-registered by these students and taken up for study at a later semester in the programme.

13.   WITHDRAWAL FROM COURSES

A specific time period shall be identified towards the end of a semester to help review the students' performance in CIE by the Faculty Advisors, followed by the students having poor performance to *withdraw* from identified course(s) (up to the *minimum credits* specified for the semester) with mention in the *Grade Card* (Grade 'W'). Such Courses to be re-registered by these students and taken up for study at a later semester in the programme.

14.   TEMPORARY WITHDRAWAL FROM THE PROGRAMME

A student shall be permitted to withdraw temporarily from a College under the University on grounds like, prolonged illness, grave calamity in the family or any other serious happening. The withdrawal shall be for periods which are integral multiples of a semester, provided that:

(i)   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 a withdrawal, together with supporting documents and endorsement of his/her parents / guardians.

(ii)   The College is 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 prescribed programme requirements within the time limits specified by the University.

(iii)   The student does not have any dues or demands at the College/ University including tuition and other fees as well as library material.

(a) A student availing of temporary withdrawal from an Autonomous 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 Students' Roll List. However, it may be noted that the fees/charges once paid shall not be refunded.

(b) Normally, a student will be entitled to avail of the temporary withdrawal facility only once during his/her studentship of the programme at the College. However, any other concession for the student shall have to be approved by the Academic Council of the College. Hence, the students shall

be advised by the Principal of the College to use the above provision only in exceptional cases.

15. Termination from the Programme

A student shall be required to withdraw from the programme and leave the Autonomous College on the following grounds:

(i) Failure (Getting F Grade) and not passing a Course to earn credits for the same, in spite of **five** attempts.

(ii) Failure to secure *CGPA* ≥5.00 on three consecutive occasions to lead the student being asked to discontinue the programme and leave the College. However,

    a *Failure to secure a CGPA ≥ 5.00 at the end of any semester for the first time, to attract warning before approval of the student to continue in the following semester (on probation).*

    b There shall be a provision for the rejection of total performance of a semester and re-registration for the semester. This shall be done only once in the entire course of studies.

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

(iv) Failure to meet the standards of discipline as prescribed by the College from time to time.

16. CHANGE OF BRANCH AND INSTITUTION

16.1. Change of Branch

A student may be given the change of branch after completion of first two semesters based purely on merit in accordance with the provision laid down by the concerned authority.

16.1.1. Procedure for giving change of Branch

(a) Application for change of branch along with grade cards shall be received from the students as per notification from time to time.

(b) Change of Branch shall be given strictly in the order of merit based on the CGPA obtained at the end of second semester. In case of tie, the actual marks scored by the applicant will be considered.

(c) Change of Branch may be given from a particular branch that the minimum number of students shall be maintained at 75%. The number of vacancies available in a particular branch is determined by the maximum sanction intake relative to the actual number of students present in the beginning of the 3rd semester before implementation of the change of branch.

16.2. Change of Institution

(a) Transfer of students from one College to another College within Karnataka State is permitted as approved by the academic council of the Institution and VTU only at the beginning of third semester, subject to availability of seats within the permitted intake in respective Institutions.

(b)   The candidates seeking admission are to be only from VTU and shall have to apply for establishment of equivalence with prescribed fee as notified by the Institution.

(c)   Candidates from other universities must obtain eligibility/Equivalence approval from VTU.

17.   ASSESSMENT

17.1.   Assessment shall be done in two stages:

(a)   Continuous Internal Evaluation (CIE): The CIE shall be conducted by the course teacher all through the semester; which shall include two written tests and two events such as quiz, assignments, problem solving, group discussions etc. The student shall secure a **minimum of 40%** of the total marks prescribed for the CIE in each course to become eligible for SEE.

Performance in laboratory courses shall be assessed by continuous internal evaluation, followed by a laboratory test by internal examiners.

(b)   Semester-End Examination (SEE): shall be conducted by the course teacher at the end of a semester, on dates fixed by the College by means of a written examination for all core and elective theory courses.

17.2.   **Passing Standards:** Passing standards are as mentioned in Table 4.

<table>
<tr><th colspan="2">Table 4: Passing Standards using Absolute Grading</th></tr>
<tr><th>Evaluation Method</th><th>Passing Standard</th></tr>
<tr><td>CIE</td><td>Score: ≥40%</td></tr>
<tr><td>SEE</td><td>a. Score: ≥ 40%

b. The total of CIE + SEE shall be ≥ 40%</td></tr>
</table>

17.3.   **Project Work Evaluation:** CIE of the project work of UG and PG Courses 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.

Seminar presentation, project report evaluation and final oral examination shall be conducted by a common Project Evaluation Committee (with one external examiner for PG project report evaluation only). The detailed evaluation procedures shall be obtained from the respective departments.

In case of other requirements, such as, Seminar, Industrial Training, Field Work, Comprehensive Viva-Voce, if any, and Project Work for the PG Courses, the assessment shall be based on norms laid down by the Academic Council of the College as approved by the Governing Council.

17.4.   **There shall be no re-examination (Make-Up) for any Course except in the case of a student being awarded I or X grade. In such cases, the make-up examination shall be conducted immediately after SEE.**

17.5. **The following category of students are required to reregister for the course:**

(a)   Students who have failed to get letter grades - S A B C D E

(b)   Students who have failed to secure a minimum of 40% marks in CIE.

(c)   Students who have been detained on account of shortage of attendance

(d)   Students who have withdrawn (Grade W) from a Course.

(e)   Students who have dropped from a course/courses. Such students shall go through CIE and SEE again, in the course/courses for which he/she registers.

17.6. The re-registration shall be possible if the particular Course is offered again either in a main or a Supplementary Semester.

18.   GRADING

Absolute grading system shall be adopted. The total marks scored by the students in CIE and SEE put together shall be converted into letter grades.

18.1. **Letter Grades:** A letter grade is basically a qualitative measure of the performance of a student in a course. The following letter grades shall be awarded to the students:

Outstanding (S), Excellent (A), Very Good (B), Good(C), Average (D), Poor (E) and Fail (F).

18.2. **Transitional Grades:** The transitional grades, such as, 'I', 'W' and 'X' shall be awarded to a student in special cases. These shall be converted into one or the other letter grades (S-F) after the student completes his/her Course requirements, including examinations:

18.2.1. **Grade 'I':** Awarded to a student having prescribed attendance and meeting the prescribed passing standard at CIE in a Course, but has absented from SEE with prior written permission, for a valid and convincing reason acceptable to the College, like:

(i)   Illness or accident, which disabled him/her from attending SEE;

(ii)   A calamity in the family at the time of SEE, which required the Student to be away from the College;

(iii)   Any other emergency as ascertained by the competent authority.

18.2.2. **Grade 'W':** Awarded to a student having the prescribed attendance, but withdrawing from that Course before the prescribed date in a semester under faculty advice with the approval of the Head of the department.

18.2.3. *Grade 'X':* Awarded to a student having high CIE rating ($\geq$ 90%) in a Course, but SEE performance observed to be poor, which could result in an overall F Grade in the Course.

18.3. **Make-up Examination:** The *Make-up Examination* facility shall be available to the students who may have missed to attend the SEE of one or more Courses in a semester for valid reasons and given the 'I' grade. Students having the 'X' grade shall also be eligible to take advantage of this facility. The *Make-up Examination* shall be held as per dates notified in the Academic Calendar. However, it will be possible for a College to hold this examination at any other time in the semester with the permission of its Academic Council. In all these cases, the standard of the *Make-up Examination* shall be the same as that of the regular SEE for the Courses.

18.4. Letter Grade and Grade Points:

The Letter grade awarded to a student in a course, for which student has registered shall be based on CIE and SEE. The distributions of weightage among these components are as follows:

Particulars	Details	Evaluation
I - Test	Syllabus coverage is 40%. (35 marks) There will be quiz along with test (5 marks)	Average marks of two tests along with two Quiz's and 10 marks of Assignment + Alternative Assessment Tool shall form CIE of 50 marks. *(Note: Alternative Assessment Tool shall be like Unit Test / Mini-Projects / Seminar / MOOC's etc.)*
II - Test	Syllabus coverage is next 40%. (35 marks) There will be quiz along with test (5 marks)	
Assignment from Self-Study Component	5 marks	
Alternative Assessment Tool	5 marks	
SEE	Final examination to be conducted for full syllabus for 100 marks.	SEE marks reduced to 50 marks.

Make-up test may be given to improve the performance of CIE, subject to maximum of 20 marks only.

The letter grade awarded to a student in a theory course is based on an appropriate CIE and SEE. SEE evaluation includes review of 20 to 30 % answer scripts by external examiners outside the college.

The letter grade awarded to a student in a Practical course is based on an appropriate CIE and SEE. 50 marks for CIE and 50 marks for SEE are assigned and SEE will be conducted by two examiners (one internal & one external).
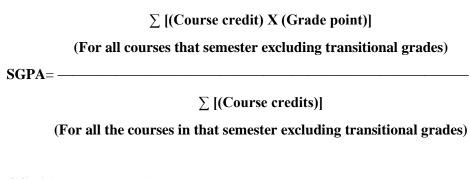
The college follows a 10-point grading system, as given in Table 5.

Table 5: Grade Points Scale for Absolute Grading			
Letter Grade	**Grade – Points**	**Raw Score**	**Remark**
S	10	$\geq 90\%$	Outstanding
A	09	$< 90 \& \geq 80\%$	Excellent
B	08	$< 80 \& \geq 70\%$	Very Good
C	07	$< 70 \& \geq 60\%$	Good
D	06	$< 60 \& \geq 50\%$	Average
E	04	$< 50 \& \geq 40\%$	Poor
F	00	$< 40 \%$	Fail
PP (For Non-credit courses)			Passed
NP (For Non-credit courses)			Not passed

The grade points given in Table 5 shall be used in the evaluation of credit points earned by the student in a Course. These credit points shall be used to calculate the SGPA and CGPA.

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

18.6. Evaluation of Performance: The overall performance of a student will be indicted by two indices: **SGPA,** which is the Semester Grade Point Average, and **CGPA** which is the Cumulative Grade Point Average.

SGPA for a semester is computed as follows:

$$SGPA = \frac{\sum [(Course\ credit)\ X\ (Grade\ point)]}{\sum [(Course\ credits)]}$$

(For all courses that semester excluding transitional grades)

(For all the courses in that semester excluding transitional grades)

CGPA is computed as follows:

$$CGPA = \frac{\sum [(Course\ credit)\ X\ (Grade\ point)\ (Considering\ all\ courses)]}{\sum [(Course\ credits)]}$$

18.7. **Award of Class:** It is necessary to provide equivalence of the average of SGPA and CGPA with the percentages and/or Class awarded as in the conventional system of declaring the results of University examinations. This shall be done by prescribing certain specific thresholds in these averages for declaring First Class with Distinction, First Class and Second Class, as given in Table 6 as per AICTE guide lines.

Table 6: Percentage Equivalence of Grade Points (on a 10-Point Scale) as per AICTE	
SGPA / CGPA	**Percentage of Marks / Class**
5.75	50 (Second Class)
6.25	55
6.75	60 (First Class)
7.25	65
7.75	70 (Distinction)
8.25	75

CGPA Conversion to Percentage Marks Equivalent percentage = (CGPA - 0.75) x 10

19. GRADE CARD

19.1. Each student shall be issued a Grade Card at the end of each semester.

19.2. The Grade Card shall have a list of all the Courses registered by a student in the semester together with their credits.

19.3. Credits for subjects with transitional grades such as W, X and I will be taken into calculation of SGPA and CGPA on their conversion to one of the letter grades S,A,B,C,D,E and F

19.4. The courses taken for audit will not be accounted for the computation of SGPA and CGPA

19.5. The results of mandatory courses, which are of the noncredit type, shall also be reflected in the Grade Card as PP (for Passed) or NP (for Not Passed). It may be noted that a student shall have to obtain the grade PP in each such mandatory course to qualify for the award of Degree during his/her course of study.

20. **COMMUNICATION OF GRADES**

   (a) The course instructors shall submit the CIE marks of each student in his course to COE through Chairman, DUGC within the stipulated date.

   (b) On completion of SEE, the students will be given an opportunity to view their answer scripts through the concerned course instructors. Any discrepancy with regard to evaluation will be finalized by DUGC of the concerned departments.

   (c) The final grades will be awarded by the Controller of Examinations after receiving SEE marks from DUGC of the respective department.

   (d) The student Progress Report shall contain the Letter Grade along with the SGPA and CGPA.

21. **APPEAL FOR REVIEW OF GRADES**

   (a) In case of any grievances about the SEE Grades, a student can appeal for review of grades to the Controller of Examinations by applying for challenge valuation. The fee for such an appeal will be decided by the Institution authority from time to time

   (b) The challenge valuation, Make-up and Supplementary Examinations answer script viewing are also permitted.

22. **Eligibility criteria for upward movement**

   a. **B.E. Programme Eligibility criteria for upward movement**
      i. There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.
      ii. A student must secure a Minimum CGPA = 5.0 at the end of every academic year.
      iii. A student shall also be eligible for the first time, with a warning to move to higher odd semester, if he / she has failed to secure a minimum CGPA = 5.00 at the end of any academic year.
      iv. For the award of degree, a CGPA $\geq$ 5.00 at the end of programme shall be mandatory.
      v. Also, the students are eligible to register as per the conditions mentioned below:

Semester	Eligibility Criteria
I	--
II	--
III	Can carry maximum of four incomplete courses from previous two semesters(I & II)
IV	--
V	Can carry maximum of four incomplete courses from previous four semesters (I, II, III & IV).
VI	--
VII	Can carry maximum of four incomplete courses from previous four semesters (III, IV, V & VI) and, completed all courses of 1st year
VIII	--

Noncompliance of CGPA ≥ 5.00 at the end of an academic year

   i. In case, the CGPA falls below 5.00 at the end of an academic year for the second time during the subsequent academic years, the student shall not be permitted for the next higher odd semester.

  ii. For the above such case, the students are permitted to appear again for SEE in full or part of the corresponding previous semester courses/s by rejecting the performance of them (Other than Internship, Technical Seminar, Project and Laboratories) for only one time during the maximum duration of the degree programme.

  b. **M.C.A. Programme Eligibility criteria for upward movement**

      Students are eligible to register following semesters with the conditions mentioned below.

Semester	Eligibility Criteria
I	--
II	--
III	Can carry maximum of four incomplete courses from previous two semesters(I & II)
IV	--
V	Can carry maximum of four incomplete courses from previous four semesters (I, II, III & IV).
VI	--

23.   SUPPLEMENTARY SEMESTER:

Supplementary Semester is primarily to assist the slow learners and/or repeater students for repeating the courses.

  I. Student who have secured 'F' /'N' / 'W' – Grade (*New Courses / Courses dropped during the regular semester are NOT allowed for registration during the Supplementary Semester*) in an academic year, are eligible to register for Supplementary Semester for a maximum of 20 Credits. Student appearing for the supplementary semester should gain prescribed attendance & CIE marks for the failed courses and then the student is eligible to appear for Supplementary Semester SEE.

      a. The student who appeared for supplementary semester SEE and gets 'F' grade, then the gained attendance from supplementary semester will be carry forwarded by forfeiting the CIE Marks only if the student has got the eligibility for upward movement to the next academic year.

      b. The student who has gained attendance & CIE marks from the supplementary semester but fails to appear for Supplementary Semester SEE, then the gained attendance from supplementary semester will be carry forwarded by forfeiting the CIE Marks only if the student has got the eligibility for upward movement to the next academic year.

      c. The Case (a and b) student shall register for the subsequent regular main semester (i.e. Odd & Even) by gaining the fresh CIE, if that course is offered in the department. And further, if the student fails again then the student can register for Supplementary Semester by gaining again the fresh CIE.

II. If the failed student does not register for Supplementary Semester but the student is eligible to move upward, in such case, the student should gain the prescribed attendance & CIE marks through the Supplementary Semester and can appear for Supplementary Semester SEE.

III. If the student fails in ONE credit or TWO credit or Mandatory Learning / Audit Courses, then the student has to take only CIE (Relaxation for Attendance) in the Supplementary Semester.

24. GRADUATION REQUIREMENTS:

A Student shall be declared to be eligible for the award of the degree if

(a) Fulfilled Degree Requirements

(b) No Dues to the College, Departments, Hostels, Library, Central Computer Centre and any other centers.

(c) No disciplinary action pending.

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

24.1. Graduation ceremony: Provisional degree will be awarded in person or in absentia for the students who have successfully completed the degree requirements during the preceding academic year.

Students are required to apply for the convocation along with prescribed fee to the university after having satisfactorily completed all the degree requirements within the specified date for the award of degree.

24.2. Award of Prizes, Medals and Ranks: For the award of Prizes and Medals, the conditions stipulated by the Donor may be considered as per the statutes framed by the College for such awards. The ranks are given to candidates who do not obtain F grade in any courses of their study.

The total number of ranks awarded shall be 10 or 10% of total number of candidates appeared in final semester whichever less in that branch. In case, if there is less than 10 students appeared in the final semester examination then only one rank will awarded from that branch.

In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place value is greater than or equal to 5.

For award of rank in a specialization of B.E. programme, the CGPA secured by the students from III to VIII Semester is considered. In case of PG programmes, the CGPA secured by the students from first to final semester is considered.

Ranks are awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the actual marks obtained by the student. If it is not resolved even at this stage, the number of times a student has obtained higher SGPA. If it is not resolved still at this stage, the number of times a student has obtained higher grades like S, A, B, etc., shall be taken into account to decide the order of the rank.

A student shall be eligible for a rank at the time of award of degree, provided the student,

i. Has passed first to final semester in all the courses in first attempt only in case of students admitted in first year.

ii. Has passed third to final semester in all the courses in first attempt only in case of students admitted under lateral entry scheme.

iii. Has completed all the prescribed Audit / Mandatory Courses.

iv. Is not a repeater in any semester because of rejection of result of a Semester / Shortage of attendance etc.

v. Has completed all the semester without any break / discontinuity.

The following types of students are not consider for the rank,

i. Students who dropped the course in any semester.

ii. Students who wrote Make-up / Supplementary exams in any semester.

iii. Students who have N / I / W / X / F grade in a course in any semester.

25. CONDUCT AND DISCIPLINE

Students shall conduct themselves within and outside the premises of the College, in a manner befitting the students of an institution of National importance.

As per the order of Honorable Supreme Court of India, ragging in any form is considered as a Criminal offence and is banned and any form of involvement in ragging will be severely dealt with.

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 behavior anywhere within or outside the campus.

(c) Possession and use of mobile phones inside the institution premises.

(d) Willful damage or stealthy removal of any property / belongings of the College/Hostel or of fellow students/ Citizens.

(e) Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs.

(f) Mutilation or unauthorized possession of Library books.

(g) Noisy and unseemly behavior, disturbing studies of fellow students.

(h) Hacking in 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 etc.,).

(i) Plagiarism of any nature.

(j) Any other act of gross indiscipline and malpractice as decided by the Academic Council from time to time. Commensurate with the gravity of offense, the punishment may be to 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.

For an offence committed in a hostel or in a department or in a class room and elsewhere, the Chief Warden, the Head of the Department and the Student Welfare Officer, shall be the authority to reprimand or impose fine.

All students after seeking admission to this Autonomous Institution, right from course registration till the date of declaration of graduation, any cases of adoption of unfair means and/ or any malpractice related to examination shall be reported to Controller of Examination. All such cases involving punishment / fine reprimand shall be referred to the committee /

Malpractice Committee (as the case maybe) and decision of Controller of Exams will be final and binding.

26.   Not withstanding situations and special cases covered by the above regulations the competent authority shall take decisions and obtain ratification from the immediate next Academic Council.