MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST

Rajarajeswari College of Engineering

(An Autonomous Institution under VTU, Belagavi. Approved by AICTE, UGC & GOK)
#14, Ramohalli Cross, Kumbalgodu, Mysore Road, Bengaluru – 560074



AUTONOMOUS REGULATIONS

B.E, BBA, BCA

2025 - 26

Vision

To provide an open opportunity to young generation for evolving their core competencies helping them to build their career as Global professionals to be an Autonomous Institution by achieving excellence in the field of higher education.

Mission

To consistently strive for Academic Excellence to become a leading Institution in the field of Engineering, Management and Research to produce competent and ethically sound manpower for the benefit of Industry, Society, Nation and the Global Environment.

CONTENTS

Section	Particulars		Page No
1	Preamble to Academic Regulations 2025		5
2	Definition and Abbreviations		7
	2.1 Definitions		7
	2.2 Abbreviations		13
25RRBO.0	Short Title, Application and Commencement		14
25RRB1.0	Title, Duration and Academic Calendar of the Programme		14
	25RRB1.1	Programme of Study	14
	25RRB1.2	Duration Of the B.E./ B.Tech. programme	14
	25RRB1.3	Academic Calendar	14
25RRB2.0	Academic Eligibility for Admission		15
	25RRB2.1	Admission to First Year of the programme	15
	25RRB2.2	Admission to the Second Year of the Programme (Lateral Entry)	15
	25RRB2.3	Qualification Earned from Foreign Countries	15
	25RRB2.4	Additional Requirements for Lateral Entry Candidates	15
25RRB3.0	Maximum Duration of B.E./B.Tech. Programme and Time Limit for Completion		16
25RRB4.0	Prescribed Credits for the B.E./B.Tech. Programme		16
25RRB5.0	Medium of Instruction of the Programme		17
25RRB6.0	Curriculum Framework and Academic processes		17
	25RRB6.1	Academic Curriculum	17
	25RRB6.2	Outcome-Based Education (OBE)	17
	25RRB6.3	Choice Based Credit System (CBCS)	17
25RRB7.0	National Credit Framework (NCrF)		18
25RRB8.0	Semesters, Semester End Examinations and Examination Timetable		19
	25RRB8.1	Semesters — Odd, Even, and Summer	19
	25RRB8.2	Semester End Examinations (SEE)	22
	25RRB8.3	Semester End Examinations and Timetable 1	22
25RRB9.0	Definition of First Attempt to SEE		23
25RRB10.0	Attendance Requirement		25
25RRB11.0	Course Assessment and Evaluation Procedure and Passing Standards		26
	25RRB11.1	Continuous Internal Evaluation and Prescribed Minimum CIE Marks to Appear for SEE, or to secure PP status in Non-credit Mandatory Courses	26
	25RRB11.2	Continuous Internal Evaluation Review Committee	28

CONTENTS

Section	Particulars		Page No
	25RRB11.2.1	Members of the Committee	28
	25RRB11.2.2	Activities of the Committee	29
	25RRB11.2.3	Accountability and Submission of Moderation Reports	29
25RRB12.0	Minimum Passing marks for the Award of Pass grade in a Course		29
25RRB13.0	Minimum CGPA for the Award of Degree		30
25RRB14.0	Course-Wise Assessment and Evaluation		30
25RRB15.0	Course Registration under Mentor Guidance		31
	25RRB15.1	Course Registration Procedure	31
25RRB16.0	Substitution of Professional / Open Elective Courses upon Repeated Failure		33
25RRB17.0	Maintenance of CIE Activity Records		33
25RRB18.0	Rejection of CIE Marks and/or SEE Results		34
25RRB19.0	Unfair Means and Disciplinary Action		36
25RRB20.0	Ineligibility, Discontinuation, and Vacating of Hostel Accommodation		36
25RRB21.0	Readmission		36
25RRB22.0	Letter Grades		38
25RRB23.0	Additional Letter Grades and Their Applicability		38
25RRB24.0	Vertical Progression		39
	25RRB24.1	Common Provisions Applicable to Regular Students Admitted to the First Year of the Programme and Lateral Entry Students Admitted to the Second Year of the Programme	39
	25RRB24.2	Vertical Progression Rules for Regular Students Admitted to First Year of the Programme	40
	25RRB24.3	Vertical Progression Rules for the Lateral Entry Students	40
25RRB25.0	Computation of SGPA and CGPA		40
25RRB26.0	Conversion of CGPA into Percentage of Marks		41
25RRB27.0	Passing Class Equivalence		41
25RRB28.0	Mandatory Earning of AICTE Activity Points		42
25RRB29.0	Award of Grade Cards, Certificates and Transcripts		42
	25RRB29.1	Grade Cards	42
	25RRB29.2	Transcripts	43
	25RRB29.3	Transcript for Students with Multiple Attempts	43
	25RRB29.4	Interim Transcript	43
25RRB30.0	Award of Degree Certificate		44

CONTENTS

Section	Particulars		Page No
25RRB31.0	Provisional Degree Certificate (PDC)		44
25RRB32.0	Programmes Offered by VTU		45
	25RRB32.1	B.E./B.Tech. Degree	45
	25RRB32.2	B.E./B.Tech. with Minor Degree	45
	25RRB32.3	B.E./B.Tech. (Honours) Degree	45
	25RRB32.4	Multiple Entry and Multiple Exit (ME-ME) Options	46
	25RRB32.5	Accelerated Degree Programme for Academically Exceptional Students	48
25RRB33.0	Award of prizes, Medals, and Ranks		49
	25RRB33.1	Award of Prizes and Medals	49
	25RRB33.2	Award Of Ranks	51
25RRB34.0	Applicability and Power to Modify		51
25RRB35.0	UG and PG Programmes Offered		53
25RRB36.0	Research Level programmes Offered		54
25RRB37.0	Admission of Students		54
	25RRB37.1	Lateral Entry Admissions	54
	25RRB37.2	Working Professional Admissions	55
25RRB38.0	Eligibility Criteria		55

1. PREAMBLE TO REGULATIONS 2025

The higher education systems need to change to meet the standards and the demands of the 21st century. In the rapidly changing 21st century, our institution role to prepare students for the professional world and society in general. In an era characterized by rapid technological advancements and evolving global challenges, **RAJARAJESWARI COLLEGE OF ENGINEERING, Bengaluru** status as an Autonomous Institution under Visvesvaraya Technological University (VTU) and recognized by the University Grants Commission (UGC), positions us at the forefront of technical education.

The Autonomy empowers us to address the dynamic demands of the 21stcentury, fostering an academic environment that prioritizes innovation, flexibility, and excellence in learning. And also addressing the 21st century challenges faced by the technical education system in the country, like ever increasing influence of science and technology and their impact on human society, shrinking time scale of new developments andthe high rate of obsolescence in the older practices, Penetration of Information Technology in all sectors of human activity and economic development, Service sector becoming a major avenue for employment of technical professionals and also for economic gains, and Emergence of **KNOWLEDGE** as a key driver for the progress of nation and for increasing their influence on the world scenario.

The academic autonomy of the Institution offering technical education attempts to convert these challenges into opportunities, and it's expected that the 21stcentury engineers will be required to have strong foundation in the basics of mathematics, science and engineering discipline, command over the chosen area of technical specialization, capacity to apply the professional knowledge and skills acquired, good competence to learn a subject on one's own without major external help, expertise in analysis, design, modeling and simulation of

complex systems, scaling up, mass production, system operation and maintenance, estimation of costs and time factors in an assignment, ability for rational, logical, orderly and objective thinking, skills in personnel management and human relations and leadership qualities including spirit of tolerance, patience and team work.

To regulate academic processes relating to students admissions, conduct of classes, teaching-learning process, assessment and evaluation based on defined learning outcomes, and grading processes for the award of Bachelor of Engineering(B.E.) degrees, in alignment with the State Education Policy (SEP)/National Education Policy (NEP), Regulations of UGC and AICTE, and in exercise of the powers conferred under Section 22 of UGC Act 1956 and under Sections [7(2) and & 41 of the VTU Act 1994, the University hereby enacts the following Regulations to enhance and sustain the quality Of technical education quality.

2. DEFINITIONS & ABBREVATIONS:

2.1 DEFINITIONS

1. "**University**" means Visvesvaraya Technological University(VTU)
2. "**Institution**" means Rajarajeswari College of Engineering (RRCE)
3. "**Commission**" means University Grants Commission (UGC)
4. "**Council**" means All India Council for Technical Education(AICTE)
5. "**Academic Autonomy**" means freedom granted by the University to the Institution in all aspects of conducting its academic programmes for promoting academic excellence.
6. **Autonomous College**: Means a college affiliated to VTU and granted autonomous Status by the University Grants Commission (UGC) and Visvesvaraya Technological University, as per applicable Regulations.
7. **University Grants Commission (UGC):** Refers to the statutory body Of the Government of India, established under the University Grants Commission Act, 1956, responsible for coordination, determination, and maintenance Of standards Of higher education, including recognition of universities, funding, and advisory functions under the Ministry of Education.
8. **All India Council for Technical Education (AICTE):** Refers to the national statutory body established by an Act of Parliament in 1987, responsible for the planned and coordinated development, quality assurance, and regulation of technical and management education, including Engineering, Technology, Architecture, pharmacy, and allied disciplines, through prescription of norms, standards, and accreditation processes.
9. **National Credit Framework (NCrF):** India's education reform initiative that serves as an umbrella framework for the creditisation of learning across school education, higher education, vocational education, and experiential learning.

10. **Faculty**: Means Professors, Associate Professors, Assistant Professors, and such other academic staff appointed for imparting instruction or conducting research, including Adjunct Faculty, professors of Practice, and Visiting Faculty, as defined under AICTE Regulations.
11. **Mentor/Faculty Advisor/Proctor**: Means a faculty member assigned by the institution to guide, mentor, counsel, and support the academic and professional development of the students allotted to him/her.
12. **Student:** Means a person admitted to or enrolled in an institution to pursue a programme of study conducted by the institution, and includes any person whose admission has not been cancelled.
13. **Regular Student:** Refers to a student who has completed Pre-University Course (PUC)12th standard or an equivalent qualification and is admitted to the first year of the programme.
14. **Lateral Entry Student:** Refers to student who has completed a three-year Diploma or B.Sc. degree and is admitted directly to the second as per prevailing admission Regulations.
15. "**Programme**": Means a structured programme of study approved by the University, successful completion of which leads to the award of a degree certificate.
16. **Discipline:** Refers to a specific programme or field of Engineering or Technology, such as Civil Engineering, Computer Science Engineering, Electronics and Communication Engineering, and allied disciplines.
17. **Curriculum:** Refers to a structured academic framework consisting of courses, learning objectives, content, instructional methods, and assessment strategies designed to achieve the defined educational outcomes of a programme.
18. **Academic Year**: Means the annual academic period comprising an odd semester and even semester, each of duration 90 teaching days, and a summer semester of eight (8) weeks, conducted after the even semester.

19. **Semester:** Means one of the academic periods into which an academic year is divided, during which courses are taught, assessed, and evaluated.
20. "**Course**": Means one of the academic subjects which is part of a programme of study.
21. **Credit:** Refers to a unit used to measure the academic workload of a course and the corresponding student engagement per week. One (01) credit is equivalent to one hour of lecture or two hours of laboratory/practical courses/tutorials/fieldwork etc., per week during a semester.
22. **Non-Credit Mandatory Course (NCMC):** Refers to a mandatory course for which no academic credits are assigned. Successful completion of such courses, unless specifically exempted, is compulsory for the award of the degree.
23. **Course Code:** Means a unique alphanumeric identifier assigned to a course, indicating details such as the programme, semester level, branch or discipline, course serial number, and course category.

    Ex. B25MCS101 is a course introduced during 2025 scheme, offered by Mathematics Department, during **1**st semester of type Applied **S**cience Course, with title '**Mathematics-1 for CSE**'.
24. **Choice Based Credit System (CBCS):** Refers to a flexible, student-centric system of education that enables students to choose courses from a basket of options, including core courses, professional (disciplinary) and open (interdisciplinary) electives, and skill-based courses, in accordance with programme requirements. Under the CBCS, students are provided the flexibility to progress at their own pace and to complete the programme within the maximum duration, while accumulating the required credits for graduation.

25. **Bachelor's Degree:** Means the undergraduate degree awarded by the University upon successful completion of the prescribed programme of study, namely Bachelor of Engineering (B.E.)
26. **Honors Degree:** An Honors degree is an academic distinction earned by the students in addition to the regular engineering programme they are pursuing, by completing prescribe additional requirements. The academic distinction Honors shall be indicated in brackets along with the engineering degree awarded.
27. **Minor Degree:** A minor degree is an academic distinction earned by the students alongside their primary engineering programme by successfully completing an approved set of courses in a secondary discipline. The academic distinction minor shall be indicated in brackets along with the engineering degree awarded.
28. **Multiple Entry and Multiple Exit (ME-ME):** Refers to a flexible academic framework that enables students to enter, pause, exit, and re-enter their programme of study without loss of academic progress, within the stipulated maximum permissible duration of the programme.
29. **Academic Bank of Credits (ABC) and Automated Permanent Academic Account Registry (APAAR):** Academic Bank of Credits (ABC) refers to a digital repository (bank or store house) that securely stores student's academic credits earned from recognized institutions across the higher education System.

    As Automated Permanent Academic Account Registry (APAAR) serves as the digital gateway for the Academic Bank of Credits. Creation of APAAR ID is mandatory for accessing and operating the ABC.
30. **Continuous Internal Evaluation (CIE):** Refers to the assessment of a student's academic performance during the teaching-learning process. CIE is conducted by the course coordinator / instructor and may include multiple assessment components carried out during the semester with

prescribed weightages, as specified by the Institution.

31. **Semester End Examination (SEE):** Refers to a formal examination conducted by the Institution at the end of a semester (odd, even, or summer) to evaluate a student's knowledge, understanding, and application of course content. Semester End Examinations Constitute a critical component of the University's evaluation process for certification, grading, and maintenance of academic standards in higher education.
32. **Credit Distribution Based on Weekly Academic Engagement:** The allocation of credits based on weekly hours devoted to various instructional modes, namely Lectures (L), Tutorials (T), Laboratory/ Drawing (p) and Term Work & Self- Learning (TW & SL) over the duration of a semester. Credits for projects and internships shall be as specified in the approved Scheme of Teaching and Examinations.
33. **Letter Grade:** Means a letter symbol indicating the level of academic achievement of a student in a course, based on the percentage range of marks secured in the SEE, in certain cases, in CIE alone. The University follows the letter grade system O, A+, A, B+, B, C, P and F, where O denotes outstanding performance and F denotes failure.
34. **Grade Point (GP):** Refers to a numerical weightage assigned to a letter grade on a 10-point grading scale corresponding to the-percentage range of marks secured by a student in a course. The letter grade O carries the maximum weightage of 10 points, while F carries zero (O) grade points.
35. **Credit Point (CrP):** Refers to the product of grade point (GP) obtained in a course and the number of credits assigned to that course.
36. **Passing Standards:** Refers to the minimum academic requirement for passing a course, wherein a student must secure a grade point (GP) of four (04) or above.
37. **Semester Grade Point Average (SGPA):** Refers to the weighted average of grade points earned by a student in all courses registered during a

particular semester.

38. **Cumulative Grade Point Average (CGPA):** Refers to the weighted average of grade points earned by a student across all Semesters completed up to a given point in the programme.
39. **Course Registration:** Refers to the formal process by which a student registers for the prescribed courses of study for a semester, under the guidance and supervision of a designated mentor or faculty advisor.
40. **First Attempt:** Refers to the initial appearance to the semester end examinations (SEE) of a bonafide student registered for a semester.
41. **Vertical Progression:** Refers to the advancement of a student to higher academic levels or years of the degree programme upon fulfilling the prescribed academic and progression requirements.
42. **Transcript/Grade Card/Grade Certificate:** Refers to the official academic record issued by the University to registered students after each semester end examination, indicating course code, course title, credits, letter grades, SGPA Of the semester, and CGPA.
43. "**Integrated Course"** means the course having clearly defined course objectives, outcomes and credits, which has a cohesive approach of delivery of course contents through lectures blended with hands-on experience/reflection through lab work/field work / case studies etc., to connect the learned knowledge to real world situations.

2.2 ABBREVIATIONS

AICTE	: All India Council for Technical Education
UGC	: University Grants Commission
VTU	: Visvesvaraya Technological University
RRCE	: Rajarajeswari College of Engineering
NBA	: National Board of Accreditation
NAAC	: National Assessment & Accreditation Council
SGPA	: Semester Grade Point Average
CGPA	: Cumulative Grade Point Average
UG	: Undergraduate
PG	: Postgraduate
CIE	: Continuous Internal Evaluation
ABA	: Activity Based Assessment
SEE	: Semester End Examination
BoS	: Board of Studies
AC	: Academic Council
GB	: Governing Body
HEC	: Higher Education Council
CoE	: Controller of Examination
ACE	: Academic Calendar of Events
GoI	: Government of India
GoK	: Government of Karnataka
DTE	: Director of Technical Education
USN	: University Seat Number
MP	: Malpractice

VTU Regulations Governing the UG Programmes

B.E, BBA, BCA – 2025

25RRBO.O Short Title, Application and Commencement -2025

1.1 These academic Regulations shall be called the Visvesvaraya Technological University Regulations, 2025.

1.2 These Regulations shall apply to all the B.E./B.Tech. Programmes conducted at the Departments of Rajarajeswari College of Engineering.

1.3 These Regulations shall come into force with effect from the date of notification by the Visvesvaraya Technological University, Belagavi.

1.4 These Regulations shall be applicable to the batch of students admitted from the academic year 2025-26 onwards and shall remain in force until revised or withdrawn by a formal notification issued by the University.

25RRB1.O Title, Duration and Academic Calendar of the Programme

250RRB1.1 Programme of Study: The Programme of study, which is an undergraduate programme, shall be called the Bachelor of Engineering, abbreviated as B.E followed by specialization indicated within the brackets.

25RRB1.2 Duration of the B.E Programme: The duration of the B.E Programme shall be four (04) academic years, organized into eight (08) regular semesters and four (04) summer semesters, for candidates admitted to the first year of the programme.

In the case of lateral entry candidates, the duration of the programme shall be three (03) academic years, organized into six (06) regular semesters and three (03) summer semesters.

After completion of the first year by regular-entry students, the regular semesters and summer semesters from the Second year to the final year of the programme shall be common to both regular-entry and lateral-entry students.

25RRB1.3 Academic calendar: The annual academic calendar of events for the programme of study, as approved by the Institution, shall be notified before the commencement of each academic year. It shall mandatory for faculty members/students to strictly adhere to the Academic Calendar for the completion of academic activities. The Academic Calendar shall be notified on the Institution website, with copies of the notification communicated to all the concerned departments.

25RRB2.O Academic Eligibility for Admission: The rules specified in the following clauses shall be followed for admission to B.E degree. However, the orders issued by the Government and /or the regulatory bodies from time to time shall prevail.

25RRB2.1 Admission to First Year of the Programme: Candidates shall have passed the PUC 11 examination conducted by the Pre-University Education Board of Karnataka, or 10+2 or an equivalent examination, as per the eligibility criteria notified by the Government of Karnataka from time to time.

25RRB2.2 Admission to the Second Year of the Programme (Lateral Entry): Eligibility for candidates who have passed a three- year Diploma in Engineering or a B.Sc. degree shall be as notified by the Government of Karnataka and the University from time to time, for admission into the third semester (second year) of B.E degree programme. Candidates who have completed an Engineering Diploma from States other than Karnataka State shall submit the Equivalence/ Eligibility Certificate issued by the Director of Technical Education (DTE), Karnataka.

25RRB2.3 Qualification Earned from Foreign Countries: For qualifications earned from foreign countries, an equivalence certificate issued by the Association of Indian Universities (AIU)/UGC, the University, or any other authorized statutory body shall be mandatory for admission to B.E Programmes. In the event of any dispute regarding

the equivalence of qualifications obtained from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.

25RRB2.4 Additional Requirements for Lateral Entry Candidates: All Diploma and B.Sc. degree holders admitted to the programme through lateral entry Shall be required to successfully complete such additional course(s), bridge course(s), or prerequisite course(s) as may be prescribed by the University from time to time, before the completion of the degree programme.

25RRB3.0 Maximum Duration of B.E Programme and Time Limit for Completion: (a)The duration of the Under Graduate Degree programme, namely B.E shall be four (4) calendar years for students admitted to the first year of the programme with an educational qualification of PUC/12th standard or equivalent. Such students shall complete the programme within eight (8) calendar years from the year of first admission, failing which they shall not be eligible for the award of a degree.

(b)The duration of the Under Graduate Degree programme, namely B.E shall be three (3) calendar years for students admitted directly to the second year with an educational qualification of Diploma in engineering or B.Sc. They shall complete the programme within six (6) calendar years from the year of first admission, failing which they shall not be eligible for the award of the degree.

25RRB4.O Prescribed Credits for the B.E Programme: All courses prescribed by the University, except the non-credit Mandatory courses, shall carry credits [refer to serial number 30 of Definitions of Key Words] and shall be considered as a head of passing for the purpose of vertical progression [Refer 25RRB24.0). The credits prescribed for the courses shall be awarded to the student upon successfully completion of the courses.

(1) The total number of credits to be earned for the award of B.E degree by regular

students (admitted to the first semester of the four-year B.E programme) shall be 160. (2) The total number of credits to be earned for the award of B.E degree by students admitted under the lateral entry scheme to the third semester of the four-year B.E programme shall be 120.

25RRB5.0 Medium of Instruction of the Programme:

The medium of instruction for the programme is English.

25RRB6.O Curriculum Framework and Academic Processes

25RRB6.1 Academic Curriculum: The VTU academic curriculum is a structured and systematic plan of study that defines the learning objectives, course content, teaching-learning processes, assessment methods, and expected learning outcomes for all programmes of study over a specified period, in accordance with the Outcome-Based Education (OBE) framework integrated with the Choice-Based Credit System (CBCS).

25RRB6.2 Outcome-Based Education (OBE): Outcome-Based Education (OBE) is an educational approach in which the entire teaching- learning process is organized around clearly defined learning outcomes that students are expected to achieve at the end of a course, semester and programme. In OBE, the focus is not merely on what the Course Instructors teach, but on what the learner is able to do, demonstrate, or apply after completing the learning experience. Thus, Outcome-Based Education ensures that graduates are competent, industry-ready, and capable of applying their knowledge effectively, making it particularly suitable for professional and engineering education.

25RRB6.3 Choice Based Credit System (CBCS): Learning is the acquisition of knowledge, skills, behaviors, values, attitudes through study, experience, or instruction. The Choice Based Credit System (CBCS), implemented in conjunction

with Outcome- Based Education (OBE), is a student-centred teaching-learning framework that emphasizes clearly defined and measurable learning outcomes. This integrated approach aligns the curriculum design, teaching methodologies, and assessment strategies to ensure that students acquire essential knowledge, skills, and values required for Graduate Attributes and Professional Competencies (GAPC). CBCS promotes conceptual understanding and mastery, ensuring that learners achieve the expected level of competence before progressing to advanced topics.

25RRB7.O National Credit Framework (NCrF): The National Credit Framework (NCrF), introduced under India's education reforms, serves as an umbrella framework for the creditisation of learning across school education, higher education, vocational education, and experiential learning. NCrF credit levels are determined based on a combination of cumulative years of learning, the complexity of learning outcomes, and the rigor of assessment. These levels signify the degree of competence and complexity attained by the learner, progressing from foundational schooling to advanced doctoral research.

Levels 1 to 4 correspond to school education up to the 12th standard, while Levels 5 to 8 correspond to higher education, ranging from the undergraduate level to the Ph.D. level. In the earlier system, credits were primarily based on contact time (lecture hours per week x number of weeks per semester /year), assuming that learning is directly proportional to time spent in classroom instruction.

However, the NCrF adopts a comprehensive and outcome-based approach by assigning credits to all forms of learning, including, (i) Classroom teaching, (ii)Laboratory work, (iii)projects, (iv) internships and apprenticeships, (v)Online and blended learning, (vi)Fieldwork and community engagement, (vii)Recognition of prior Learning (RPL), (viii)Sports and arts activities, and (ix)On-the-job training.

Credits are thus based on notional learning hours, representing the total learner effort rather than only contact hours. This definition aligns Indian education with Global Outcome-Based Credit Systems (OBCS), and international credit transfer practices [e.g., European Credit Transfer and Accumulation System (ECTS)-like frameworks]. According to NCrF, one academic year of learning is equal to 1,200 notional learning hours and includes classroom teaching, self-study, assignments, projects, laboratory work, co-curricular and extra-curricular activities, internships, apprenticeships and other assessed learning experiences. For these 1,200 hours a student is expected to earn 40 credits, which means 1 credit corresponds to approximately 30 hours of academic learning. Although traditional university systems often equated one (1) credit with approximately 13 to 15 contact hours per semester, VTU, in alignment with the National Credit Framework (NCrF), considers 14 weeks of structured academic interaction with students in a semester to be equivalent to approximately 30 notional learning hours per credit. The learning methodologies include:

(i) Classroom Instruction (CI): Includes different instructional/implementation strategies, such as Lecture (L), Tutorial (T), Case methods, Demonstrations, Video demonstrations, Problem-based learning etc., to deliver theoretical concepts within the classroom. It is measured in terms of the number of hours per semester.

(ii) Laboratory Instruction (LI): Expressed in terms of the number Of hours per semester and includes experiments, practical performances, problem-based experiences, and hands-on activities conducted in laboratories, workshops, field locations, or other learning environments using different instructional/implementation strategies.

(iii) Term Work (TW): Includes assignments, seminars, presentations, Case studies, micro-projects, field activities, industrial visits, academic preparation duration, and any other student-centric learning activities. It is expressed in terms of number of hours per semester.

(iv) Self-Learning (SL): MOOCs (NPTEL/Industry certified courses), spoken tutorials, online educational resources, self-initiated projects, Learning through digital

resources and similar activities. It is expressed in terms of the number of hours per semester, wherever provided in the curriculum structure. VTU, in alignment with NCrF, considers 14-weeks of structured academic interaction per semester with students as equivalent to approximately 30 notional hours per credit.

Table:1 Presents the credit structure, equivalent NCrF learning hours, and examination

VTU adopted NCrF Credit Structure					
Particulars	Classroom Instructions (CI) in Hours/Semester		Laboratory Instructions (LI) in Hours/Semester	TW + SL in Hours/ Semester	Total No. of Hours / Semester
	L	T	P		
1 Credit theory course	14	--	--	16	30
1 Credit Practical course	--	--	28	02	30
2 Credit theory course	28	--	--	32	60
3 Credit theory course	42	--	--	48	90
3 Credit theory course with Tutorial	28	28	--	34	90
4 Credit theory course	56	--	--	64	120
4 Credit theory course with Tutorial	42	28	--	50	120
4 Credit Integrated Course	42	28		50	120
Project work	--	--	--	Depends on Credits	
Internship	--	--	--	Depends on Credits	

25RRB8.0 Semesters, Semester End Examinations and Examination Timetable

25RRB8.1 Semesters — Odd, Even, and Summer

(a) The semester that commences at the beginning of the academic year shall be known as the **Odd Semester**, and the semester that follows the Odd Semester shall be known as the **Even Semester**.

(b) The odd and even semesters shall normally comprise 90 working days of teaching as prescribe by AICTE, or 14 weeks of instruction as per the National Credit Framework (NCrF).

(c) The summer semester is a shorter (approximately 8 weeks), academically intensive supplementary term conducted after the even semester, i.e., the 2nd, 4th, 6th and 8th semester. It is structured to enable students to re-register and clear the courses, without waiting for a full academic year.

The summer semesters are intended for students who have been awarded:

(i) **DX Grade** [detained due to shortage of attendance [refer to Clause (25RRB10.0) with or without satisfying the CIE requirements]

(ii) **NS Grade** [failure to satisfy the CIE requirements of a credit course, in spite of satisfying the attendance requirements, by securing less than 40% of the prescribed CIE marks]

(iii) **NP Grade** [failure to satisfy the CIE requirements of a non-credit course, in spite of satisfying the attendance requirements, by securing less than 40% of the prescribed CIE marks]

(iv) **W Grade** [withdrawal from the registered course(s)]. Such students shall register for the concerned course(s) during the summer semester and satisfy the attendance and Continuous Internal Evaluation (CIE) requirements for the course(s) in order to become eligible to appear for the summer semester examinations.

(d) Students who have secured an F grade [failure to earn a passing letter grade (refer to Clause 25RRB22.O)] in a course upon appearing for the Semester End Examination (SEE), whether conducted during a regular semester or a summer semester, or who were absent for the SEE after satisfying the prescribed attendance and Continuous Internal Evaluation (CIE) requirements, shall be permitted to reappear for the SEE of the corresponding course whenever the course is offered during a regular Odd Semester, regular even semester, or summer semester, without registering for the course during the regular or summer semester. However, such students shall be required to pay the prescribed examination fee for appearing for the SEE.

(e) The Summer Semester shall,

(i) Offer selected courses, with the total registered credits limited to a maximum of 14 Credits, and with higher academic workload per week than that Of a regular semester.

(ii) Facilitate students who are not eligible for vertical progression [Refer to clause 25RRB24.0] to clear backlog courses, and thereby become eligible for promotion to the next academic year and complete the programme within the minimum prescribed duration.

(iii) Provide students with a customized and flexible learning pace for completing pending academic requirements.

(iv)Not permit registration for capstone project, and internships.

25RRB8.2 Semester end Examinations (SEE)

(i) The University shall conduct odd semester examinations only for the courses prescribed for the odd semesters. Similarly, even semester examinations shall be conducted only for the courses prescribed for the even semesters.

(ii) Students who have secured an F grade in a first-semester course, or who were absent for the SEE of the registered course after satisfying the prescribed attendance and CIE requirements, shall be permitted to appear for the examination of such course(s) during the second-semester examinations, provided the course(s) are common and offered in the second semester.

(iii) Summer Semester examinations shall be conducted for all courses prescribed in the odd and even semesters of the relevant academic year, as applicable. However, students may register for backlog courses of lower semesters in which they have been awarded DX, NS, NP, or W grades for the purpose of satisfying the attendance and/or Continuous Internal Evaluation (CIE) requirements. The total registered credits during the Summer Semester shall not exceed 14 credits, excluding non-credit mandatory courses.

(iv) For all University examinations, only those students who satisfy the attendance requirement and CIE requirement shall be eligible to appear for SEE of that course.

25RRB8.3 Semester End Examinations and Timetable: Students who do not have any backlog courses shall ordinarily not be scheduled for more than one examination on the same day. However, students having backlog course(s) may encounter any of the following situations:

(a) Two examinations scheduled on the same day, one in the forenoon session and the other in the afternoon session.

(b) Two examinations belonging to different semesters scheduled at the same time. In such cases, the student shall be permitted to appear for any one of the examinations of his/her choice and may appear for the other examination when it is conducted Subsequently.

(c) Examinations scheduled on consecutive days. In view of the academic and administrative constraints associated with the timely completion of examinations and declaration of results, the published examination timetable shall not be modified, altered, or rescheduled on account of any of the situations specified above.

25RRB9.0 Definition of First Attempt to SEE

(a)First attempt refers to the initial appearance at the Semester End Examination (SEE) by a bonafide student registered for a semester, provided the student has fulfilled attendance and CIE requirements and has registered for the SEE in all prescribed courses of that semester. Once registered to the SEE, the registration shall be deemed to constitute the first attempt, irrespective of whether the student: (i) appears for all the examination papers

(ii) appears for only some of the examination papers, or

(iii)remains absent for one or more examination papers, including all the examination papers.

(b) Students who have opted for a W grade in one or more courses on account of withdrawal from the registered course(s) in any academic year, with or without satisfying the attendance and CIE requirements, and who subsequently secure a

passing grade in the same course(s) during a Summer Semester upon their first registration for the SEE, shall be treated as having cleared the course(s) in the First Attempt. However, such students shall not be eligible for the award of ranks.

(c) Notwithstanding the above provisions, students who have satisfied the attendance requirements in one or more courses of a semester and have of 40% of the prescribed CIE marks, but are unable to appear or could not appear for the SEE due to valid and convincing reasons as specified below, may be permitted to appear for the appropriate Odd Semester, Even Semester, or Summer Semester examination, subject to prior or post recommendation of the Principal/Dean-Academics/HoD.

The valid reasons for absence from the SEE may include:

i. Serious health issues or inability to move due to a personal accident

ii. Serious health issues, accident, or death of parent/guardian/tragedies in the family

(iii) Natural disasters or Other valid and convincing reasons.

(iv) Participated in the Sports / cultural activities of International / National importance.

(v) Participated in National level NCC / NSS camps.

Students falling under this category shall apply to the Principal / Dean-Academics / HOD on or before the prescribed last date for registration, as notified in the Academic Calendar, along with adequate documentary evidence such as medical certificates issued by a competent authority, authenticated documents in cases Of natural disasters or Other valid reasons, and Sports/NCC/NSS certificates issued by the competent authorities.

Permission to appear for the Semester End Examination (SEE) shall be granted at the discretion of the Institution, and the decision of the Principal/ Controller of Examinations/Dean-academics in such matters shall be final and binding.

Students who under this category completes all the courses successfully shall only be deemed to have completed the semester in the first attempt and shall be eligible for considered in the declaration of ranks.

In the event that such students fail to complete all the registered courses, any subsequent appearance in the SEE shall be treated as a second attempt, third attempt, and so on, as applicable.

25RRBI0.0 Attendance Requirement

(l) The basis for the calculation of attendance shall be the period (span of a semester) prescribed by the University in its academic calendar Of events.

(2) ln the case of late admissions, approved by the competent authorities (KEA/ DTE/ VTU), for admission to I semester or Ill Semester for lateral entry scheme, the attendance shall be reckoned from the date of admission to the Programme.

(3) Every prescribed course shall be treated as a unit for the calculation of attendance. Students are required to attend all the lectures, tutorials, practical and other prescribed curricular and co-curricular activities of each course.

(4) A student who cannot fulfil 100 % attendance shall be required to secure a minimum attendance of 85 % in each registered course.

(5) If the attendance in a course, falls below 85 %, a shortage up to a maximum of 10 % may be condoned based on the specific recommendations of the Principal of the college where the candidate is studying. This provision shall be utilised only on valid grounds, such as:

(i) Medical reasons

(ii) Participation in NSS/ NCC/ Red Cross activities

(iii) Participation in National level Republic Day and Independence Day Parades

(iv) Participation in University/State/National/ International level sports and cultural activities. All such cases shall be supported with valid documentary evidence. The mentor shall recommend for the condonation of attendance shortage and forward the

application, along with documents, through the HoD with his/her recommendation, to the Principal before the last working day of the semester.

(6) If the attendance of a student in a course falls below 85%, even after the grant of condonation for shortage of attendance, such student shall be deemed to have a shortage of attendance.

(7) The College shall notify, every month, the list of candidates who fall short of prescribed attendance. The course Instructor / mentor/ class teacher or college office shall inform the students and their parents/guardians about the attendance Status on a monthly basis. Students facing attendance shortage shall be counselled and mentored to make up for the shortage wherever possible.

(8) A student who does not satisfy the attendance requirement, with or without satisfying the CIE requirements, in one or more courses (including bridge courses for lateral entry students, unless exempted by the University) shall not be permitted to appear for the Semester End Examinations of those courses.

The shortage of attendance irrespective of CIE status shall be indicated by the letter grade DX and the same shall be reflected in the grade card. Students who have secured DX grade shall register for such courses in the summer semester to satisfy both attendance and CIE requirements to become eligible to appear for the SEE. Notwithstanding the DX grade in some of the courses, the student shall be permitted to appear for the SEE in other courses of the same semester or other semesters.

25RRB11.0 Course Assessment and Evaluation Procedure and Passing Standards

Continuous Internal Evaluation (CIE), and Semester End Examination (SEE) are the two major evaluations prescribed for each course under the Scheme of Teaching and Examinations approved by the University. Each method adopts a distinct approach to assessing the academic performance of students.

25RRB11.1 Continuous Internal Evaluation and Prescribed Minimum CIE Marks to Appear for SEE, or to secure PP status in Non-credit Mandatory Courses.

The CIE component shall carry 50 % of the maximum marks prescribed for a course. As specified in the Scheme of Teaching and Examinations, the CIE marks may be either 50 or 100.

(a) Irrespective of the type of course, Students Shall Secure a minimum of 40 % of the total prescribed CIE marks and satisfy the attendance requirement to become eligible to appear for SEE or to secure PP status, as applicable.

(i) ln courses with 50 marks for CIE, Students shall secure a minimum of 40 % of 50 marks, i.e., 20 marks. In courses with 100 marks for CIE, students shall secure a minimum of 40 % of 100 marks, i.e. 40 marks, to become eligible to appear for SEE.

(ii) In courses with 100 marks for CIE and no SEE component, students shall secure a minimum of 40 % of 100 marks, i.e., 40 marks, to be awarded the prescribed pass Status pp.

(iii) The CIE of Integrated Professional Core Courses (IPCC) shall consist both theory and practical components. The CIE marks for each component shall be 25, and the CIE marks shall have awarded separately for theory and laboratory components. Students shall secure a minimum of 40 % of 25 (i.e., 10 marks) in each component separately. Thus, the total minimum CIE marks required shall be 20 marks out of the prescribed 50 marks, to become eligible to appear for the SEE. The practical component of IPCC shall be evaluated only through CIE and shall not have a separate or exclusive SEE. However, the SEE question paper for an IPCC shall include theory component questions along with limited practical component-based questions.

(iv) Students who fail to secure the prescribed minimum CIE marks in an IPCC, whether in the theory component, or laboratory component, or both, or fail to satisfy attendance requirement, shall not be permitted to appear for SEE. Such students shall register for the same course during the summer semester.

(v) Students who fail to secure the prescribed minimum CIE marks in courses having viva-voce examination and/or demonstrations, shall not be permitted to appear for

SEE, or PP status shall not be awarded, as applicable.

(vi) CIE marks secured, if equal to or greater than 40 shall be retained until the student secures a pass grade in the SEE, except in cases of readmission to the concerned semester after rejecting of the SEE results along with CIE marks.

(vii) CIE marks awarded at different stages during the semester period shall be displayed on the notice board of the department concerned to enable the students to verify and report any discrepancies.

(viii) It shall be the responsibility of Principal/ HoD to scrutinize the list of candidates and permit only eligible students to appear for the SEE/ viva-voce examination. If an ineligible student is inadvertently permitted to appear for the examination, the result of such student shall be withdrawn forthwith.

(ix) The list of students, who have not secured the prescribed minimum CIE marks shall be submitted to the Controller of Examinations / Dean-Academics along with the CIE marks of eligible students.

25RRB11.2 Continuous Internal Evaluation Review Committee

A Continuous Internal Evaluation Review Committee shall be constituted within each college or department as an advisory body to ensure that the Continuous Internal Evaluation (CIE) process is properly planned, conducted, monitored, and reviewed throughout the semester or academic year.

25RRB11.2.1 Members of the Committee

Principal/Dean-Academics shall constitute a Continuous Internal Evaluation (CIE) Review Committee in each department, comprising the following members:

Chairperson: Principal / Dean-Academics

Convener: Head of the Department.

Members: (i) One senior professor of the department.

(ii) One senior professor from another department.

(iii) Internal Quality Assurance Cell (IQAC) Coordinator

(iv) Course faculty teaching the course under review

25RRB11.2.2 Activities of the Committee: The Committee shall:

(i) Oversee those internal assessments components such as tests, assignments, quizzes, practical, seminars, etc., are conducted in a transparent, fair and timely manner.

(ii) Review question papers, monitor evaluation process, and recommend reforms to ensure that assessment practices strengthen academic credibility and facilitate the attainment of the learning outcomes specified in the curriculum.

(iii) After each test, ensure that the scheme of valuation is uniformly followed and that evaluation is neither liberal nor unduly tough, or inconsistent. The award of marks should broadly follow a normal distribution. If the distribution is significantly left skewed or right skewed, appropriate corrective measures shall be implemented. (iv) In cases excessive failures, unusually high marks, or identical marks awarded to a large number of students, identify the causes and take necessary corrective action.

(v) Conduct random checks to verify whether:

(1) The question paper is appropriately balanced in difficulty level, being neither too difficult nor too easy.

(2) Suitable assessment methods are used to adequately cover the entire question paper.

(3) Questions are properly mapped to the stated Course Outcomes (COs).

(vi) Review statistical analyses submitted by course coordinators regarding the courses they teach, identify performance trends, determine areas where students may require support or remediation, and facilitate timely feedback to improve student performance and reduce learning gaps.

(vii) Address grievances related to internal evaluation, including errors in the award of marks and procedural complaints.

(viii) Recommend modifications to the internal assessment design to improve alignment with course learning outcomes and skill development requirements.

(ix) Continuously monitor and review student performance to ensure the quality of

internal assessments and recommend counselling, remedial classes, or tutorial support for students demonstrating repeated underperformance.

(x) Prepare reports summarizing the outcomes of internal evaluation and submit them to the IQAC and Academic Monitoring Committee for further action.

25RRB12.O Minimum Passing marks for the Award of Pass grade in a Course

(i) For the award of a pass grade, in addition to securing the prescribed minimum CIE marks required to become eligible to appear for the SEE, a student shall secure a minimum of 35 % of the prescribed maximum marks Of the SEE For example, if the maximum marks prescribed for the SEE are 100, 50, or 200, the minimum marks required in the SEE to qualify for consideration for the award of a pass grade shall be 35, 18, and 70, respectively.

(ii) A student shall be deemed to have successfully completed a course and earned a pass grade only if the Combined total of CIE and SEE marks is not less than the prescribed minimum i.e., 40 out of 100 marks, or 80 out of 200 marks, as applicable.

(iii) Each appearance in the SEE after securing grades such as Absent (AB) or Fail(F), or after subsequently fulfilling deficient CIE requirements during the Summer semester, shall be treated as a subsequent attempt (second, third attempt, and so on).

25RRB13.O Minimum CGPA for the Award of Degree

(i) Students who have secured a CGPA >= 4 and have successfully completed all prescribed non-credit mandatory courses shall be eligible for the award of B.E degree.

250B14.O Course-Wise Assessment and Evaluation

Course-wise assessment and evaluation shall be carried out using assigned rubrics. Any instances of non-compliance shall addressed in accordance with the provisions applicable to the B.E Programme. The detailed procedures relating to course assessment, including the question paper pattern, evaluation methodology, and the mechanism for addressing non-compliance, shall be notified in due course through an Annexure titled "Course-wise Assessment, Evaluation, and Redressal of Non-Compliance in the B.E programme."

25RRB15.O Course Registration under Mentor Guidance

(i) Every student shall mandatorily register for the courses of each semester during the programme period to participate in the teaching-learning process, using the prescribed Course Registration Form (CRF).

(ii) Course registration for higher semester of that academic year shall be carried out after the completion of the SEE and shall be completed on or before the last date prescribed in the Academic Calendar. Registration for courses through the University portal for each semester is mandatory.

(iii) The Principal / HoD shall assign a Mentor to a group of students in each department, normally consisting of 20 - 25 students per group. The Mentor shall advise, guide and assist the students in completing their programme of study in a smooth and satisfactory manner.

(iv) Students shall register for the courses of a semester in consultation with the assigned Mentor.

25RRB15.0.1 Course Registration Procedure

(a) All students admitted to B.E programme shall register for all the courses prescribed for the semester. Course registration shall be completed through the ERP Portal. Course registration shall be effected for every ODD, EVEN semester and summer semester as and when the students enroll for the corresponding semester.

(b) During an ongoing semester, based on the student's performance in the SEE of the Odd and even semesters, the **Mentor** may advise the student to withdraw from one or more registered courses to avoid unsuccessful attempts in securing a pass grade in such courses. The minimum credits to be studied in a semester shall be 14 credits. Accordingly, the student shall Submit a request to the institution for withdrawal from the course(s) before the end of the semester.

(c) Students who have withdrawn the course (s), shall not be permitted to appear for the SEE in those course(s), and such courses shall be categorized under the course withdrawn category. Accordingly, the withdrawn courses shall be awarded a 'W'

grade. While submitting the CIE marks, the departments shall submit a course-wise list of students who have opted for the W grade for the reflection in the grade card.

(d) Students who have been awarded grades such as DX (attendance requirements not satisfied in a credit or non-credit course), NS (CIE requirements not satisfied in a credit course), NP (CIE requirements not completed in a non-credit course), or W shall be permitted to register for the summer semester.

(e) A student may register for a maximum of 14 credits during a summer semester. Registration for non-credit courses, in addition to the prescribed credit courses, shall also be permitted. Students of higher semesters shall be permitted to register for courses of lower semesters, provided that the total registered credits do not exceed 14, excluding non- credit courses.

(f) Students who have secured an F grade or have been awarded AB grade (for being absent for the SEE) shall be permitted to appear directly for the regular odd and even semesters or summer semester end examinations, subject to payment of the prescribed examination fee.

(g) Students shall not be permitted to register in the Summer Semester for Project based Courses, Project work and Internship.

(h) Students who complete a course in subsequent examination shall be awarded a grade corresponding to the marks secured at the time of passing the course, without imposing any penalty.

(i) Students who are debarred by the competent authority of the Institution for specified reasons, in accordance with the prescribed Regulations, shall not be permitted to register for any courses during the period of debarment.

(j) After completing the CRF online, students shall take a printout of the duly filled-in CRF, obtain the signature of the Mentor, and submit the same to the Principal/ HoD within the date notified by the College for registration.

(k) Students shall exercise their option for Professional Elective Courses, Open Elective Courses, or Ability Enhancement Courses of a higher semester at the end of the previous semester. However, a change in any or all of these courses may be

permitted, preferably within 15 days from the date of commencement of the semester, as specified in the Academic Calendar of the institution.

(l) Course registration shall be deemed to be complete Only upon approval by the institution.

(m) Students who become eligible for promotion to a higher semester consequent upon the declaration of revaluation results shall be permitted to enroll in the subsequent higher odd semester.

25RRB16.0 Substitution of Professional / Open Elective Courses upon Repeated Failure

A student who obtains an F grade on four occasions in a professional elective course or open elective course shall be permitted, with the approval of the University, to opt for another course of the corresponding category course carrying the same number of credits. The student Shall re-register for the substituted course and successfully complete all the prescribed course requirements, subject to the condition that the maximum duration prescribed for completion of the programme (8 years for regular students and 6 years for lateral entry Students) is not exceeded. This provision may be availed for a maximum of two courses only during the entire duration of the programme.

25RRB17.0 Maintenance of CIE Activity Records

(l) The CIE Blue Books and AAT Records shall be preserved by the Principal/Head of the Department for a minimum period of **three years** from the date of announcement of the results and shall be made available for verification as and when directed by the Registrar (Evaluation).

(2) Any correction or overwriting of CIE marks in the blue book, drawing sheet, laboratory record, or any other document in which CIE marks are awarded shall bear the date and signatures of the concerned Course Instructor(s) and the Head of the Department.

(3) CIE marks shall be submitted to the Controller of Examination before the commencement of the examinations, as notified by the COE office from time to time. After submission of the CIE marks to the COE, any request for change of CIE marks shall be considered only as per the decision of the Principal.

(4) The final list of CIE marks awarded to students in Theory/ Practical/ Internship/Project courses, incorporating corrections, if any, shall be displayed on the notice board of the College sufficiently in advance of the closure of the semester.

(5) The Department shall upload the CIE marks to the COE office through ERP Portal. Every page of the hard copy of the CIE marks sheet shall bear the date and signatures of the concerned Course Instructor(s), the Head of the Department and the Principal.

25RRB18.0 Rejection of CIE Marks and/or SEE Results

(I) Students shall be permitted to reject the entire performance Of an Odd semester, an even semester, or both the semesters, comprising the CIE marks and SEE results of all the courses of the concerned semester(s). Such rejection shall be permitted only once during the entire Programme of study by the Principal / COE. (2) Students who reject the entire performance of an odd semester or an even semester, or both semesters, including CIE marks and SEE results, shall repeat the rejected semester(s) under the prevailing scheme by obtaining permission from the Dean-Academics for readmission in the subsequent academic year. Such readmitted students shall be governed by the regulations of the prevailing scheme and may be required to study additional courses, if applicable. However, where certain courses in the prevailing scheme have already been completed by the student under the scheme to which the student was originally admitted, the student shall be exempted from studying such courses again. The grades earned in such courses shall be taken into account while issuing the grade card. Readmission to an Odd/Even Semester shall not be treated as a fresh admission. Accordingly, the student shall retain the same University Seat Number (USN) allotted earlier. The maximum duration prescribed for completion reckoned with reference to the original USN.

(3) Students shall also be permitted to reject only the SEE results, retaining the CIE marks. However, the rejection of the SEE results in respect of all types of project work based courses, whether undertaken individually or in groups in any semester, shall not be permitted.

(4) Where the rejection of SEE results, while retaining the CIE marks, pertains to an Odd or Even Semester, the student shall be permitted to take admission to the immediate succeeding Even or Odd Semester, respectively, subject to the condition that the student satisfies the prescribed vertical progression requirements.

(5) In the case of rejection of the SEE results of an entire semester while retaining the CIE marks and seeking permission to reappear for the University examinations, the application shall be submitted to the COE through the Principal/HoD, as notified by the University from time to time.

(6) In the case of rejection of the SEE results of an entire semester, including the CIE marks, and seeking readmission, the application shall be submitted to the Dean-Academics through the Principal/HOD within 30 days from the date of announcement of the results, along with the prescribed fee, as notified by the institution from time to time. Applications submitted after the prescribed period shall not be entertained under any circumstances.

(7) Students who opt for rejection of SEE results shall be eligible for the award of the B.E Degree and Minor Degree. However, they shall not be eligible for the award of Ranks or an Honors Degree.

25RRB19.0 Unfair Means and Disciplinary Action

(1) Academic malpractices shall be seriously viewed, and appropriate disciplinary action shall be taken.

(2) In the event of malpractice during any of the internal examinations such as assignments, quizzes, and tests, the or similar evaluations:

(a) The course / Invigilator shall report the matter to the Principal/ HoD for appropriate action.

(b) lf a student disagrees with the action taken by the college, he/she may submit an appeal to the COE for redressal.

(c) lf the Principal/ HoD considers the offence to be a serious nature, then the matter shall be reported to the COE.

(d) ln all such cases, the matter shall be referred to the Academic Malpractice Committee of the institution for further action, wherever considered necessary.

(3) Any instance of malpractice detected during the in the SEE shall be reported to the COE and follow the university guidelines for malpractice.

25RRB20.0 Ineligibility, Discontinuation

(a) Regular students who could not enroll to Ill / V / VII semester even after a period of Five (05), Six (06), Or Seven (07) years, respectively from the year of admission to I semester, shall discontinue the programme and seek fresh through the prescribed admission process.

(b) Lateral entry students who are unable to enrol for the V / VII semester even after a period of Four (04) or Five (05) years respectively, from the year of admission to Ill semester, shall discontinue the programme and seek fresh admission through the prescribed admission process.

25RRB21.0 Readmission

(1) Students who temporarily discontinue the programme shall be permitted to seek readmission to the eligible semester, subject to the maximum duration prescribed for completion of the programme.

(2) Permission for readmission shall be granted only upon a written request submitted through the principal and shall not be treated as a matter of right. Such students Shall not claim any benefits on account of readmission.

(3) Students who are readmitted to any semester under the existing scheme of Teaching and Examinations from a previous scheme, either as a repeaters or freshers for various reasons, shall attend and complete all the remaining semesters of the

programme in accordance with the Regulations Of the prevailing Scheme of Teaching and Examinations. Further, such students shall complete any additional course(s), if prescribed by the University, if any, based on the recommendations in concurrence with the concerned Board of Studies for establishing equivalence between the two schemes. Such candidates shall not be eligible for the award of rank.

(4) Readmission to odd or even semester shall not be treated as fresh admission. The student shall continue with the same University Seat Number (USN) allotted at the time of his/her original admission to the programme. The maximum duration permitted for completion of the programme shall be computed with reference to the USN allotted during the student's first admission to the programme.

(5) Candidates who have temporarily discontinued the programme of study, changed the scheme of Study for various reasons, or transferred from an autonomous college affiliated to the University or from another university to a non-autonomous constituent or affiliated college of the University, shall be eligible for the award Of the degree provided that:

(a) The total credits earned are equal to or greater than the credits prescribed by the University, and

(b) all other requirements of these Regulations are satisfied.

(6) lf, upon completion of all semesters under the prevailing scheme, the total credits earned is found to be less than the credits prescribed by the University, the candidate shall register for additional course(s), not studied earlier, as may be prescribed by the concerned BOS, in order to earn credits equal to or greater than the prescribed requirement.

(7) In the event of any difficulty in the interpretation or implementation of these provisions, the matter shall be referred to the Vice-Chancellor, whose decision Shall final and binding.

25RRB22.0 Letter Grades

(1) The University adopts absolute grading system, wherein the marks secured by a student are converted into grades. The result of each semester shall be declared with the Semester Grade Point Average (SGPA) upon successful completion of all courses registered for that semester.

(2) The total marks Obtained by a student in the CIE and SEE of a course shall be expressed as a percentage for the purpose of computing the grade points, and the corresponding letter grade shall be awarded as indicated in the Table 2.

Table-2. Letter Grades and corresponding Grade Points on a 10 — Point Scale

Letter Grade	O	A+	A	B+	B	C	P	F
Academic Performance Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Pass	Fail
Grade Point	10	9	8	7	6	5	4	0
% of Marks secured	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39

(3) If a course does not have an SEE component, the CIE marks alone shall form the basis for awarding the letter grade PP, which is not a part of 10-Point Scale. The grade pp shall not be considered for the computation of SGPA or CGPA.

25RRB23.0 Additional Letter Grades and Their Applicability

In addition to the standard 10-point grading system, the following additional letter grades, as listed in Table 3, shall be awarded to students under specific academic or administrative circumstances.

Table 3. Additional Letter Grades and Their Applicability

AB	Absent for the SEE of a registered Course.
DX	Shortage of attendance in a credit or non-credit courses with or without satisfying the CIE requirements.
NS	Not satisfied the CIE requirements, With or Without satisfying the attendance requirement of a credit course.

NP	Not satisfied the CIE requirements, with or without satisfying the attendance requirement of a non-credit course
PP	Pass grade in a non-credit course.
W	Dropped or withdrawn from a registered course (credit or non-credit course) in a semester. (The student shall re-register for the course during summer semester to appear for SEE).

25RRB24.0 Vertical Progression

Vertical progression refers to the advancement of a student from one academic year to the next higher year of the programme, subject to the fulfilment of the prescribed academic requirements relating to CIE and SEE, and compliance with attendance requirements, as specified in the regulations.

25RRB24.1 Common Provisions Applicable to Regular Students Admitted to the First Year of the Programme and Lateral Entry Students Admitted to the Second Year of the Programme

(a) Satisfying the prescribed attendance requirement and securing the minimum CIE marks for any course is mandatory. Students shall not be permitted to appear for the SEE in such courses until the prescribed attendance and CIE requirements are fulfilled.

(b) Students who obtain grades such as DX (not satisfying the attendance requirement), NS (not satisfying the CIE requirement of a credit course), NP (not satisfying the CIE requirement of a non-credit course), or W in any course (s) shall be permitted to reenroll for such course(s) during the summer semester.

(c) All students enrolled in an odd semester of the programme shall be permitted to progress to the corresponding even semester of the same academic year without any restriction. However, for permitting the students to enroll in the next higher academic year, within the maximum duration of the programme, the following conditions under, 25RRB24.2 and 25RRB24.3, shall apply.

25RRB24.2 Vertical Progression Rules for Regular Students Admitted to First Year of the Programme

(a) Students having grades such as F, DX, NS, or W in courses totalling to more than sixteen (16) credits in the 1st and 2nd semesters of the first year Of the programme shall not be permitted to move to the 3rd semester (2nd year) Of the programme.

(b) In order to progress to the VII semester, a student shall have successfully completed all the Credit courses of the First Year of the programme.

(c) Regular students shall be permitted to enroll in the VII semester after undergoing the teaching-learning process in all semesters from Ill to VI, with no restriction on the number of backlog courses, provided the requirement specified under Clause 25RRB24.2(b) is satisfied.

25RRB24.3 Vertical Progression Rules for the Lateral Entry Students

(a) Lateral entry students shall be permitted enroll to the VII semester after undergoing teaching learning of all the semesters from Ill to VI with no restrictions on the number of backlogs.

25RRB25.0 Computation of SGPA and CGPA

(1) Semester Grade Point Average (SGPA) shall be computed at the end of each Semester. The Cumulative Grade Point Average (CGPA) shall be computed from the second semester onwards for regular students, and from the Fourth semester onwards for lateral entry students. The final CGPA, calculated at the end of eighth semester, shall be indicted in the grade card to reflect the overall academic performance of the student.

(2) Each course in a program is assigned a certain number of credits Based on the Credits and Grade point (GP = Gi) earned in that course, the grade averages Shall be calculated as follows:

(a) The SGPA is the ratio of the sum of the products of the credits and the corresponding grade points secured by a student in all the courses registered in a semester to the total credits of those courses, i.e.

Semester Grade Point Average (SGPA):

$$\textbf{SGPA} = \frac{\sum(\textbf{Course credits X Grade Points})}{\sum(\textbf{Course credits})}$$

(b) The CGPA shall be calculated in the same manner considering all the courses successfully completed up to the semester under consideration:

Cumulative Grade Point Average (CGPA):

$$\textbf{CGPA} = \frac{\sum(\textbf{Course credits X SGPA})}{\sum(\textbf{Course credits})}$$

25RRB26.0 Conversion of CGPA into Percentage of Marks

For the purpose of employment, higher studies, or any other academic requirement, the CGPA on a 10-point scale shall be converted into percentage of marks (M) using the following expression:

Percentage Marks M = CGPA x 10

Example: If the CGPA is 8.20, then:

M = 8.20 x 10 = 82.0%

25RRB27.0 Passing Class Equivalence

Upon successful completion of the programme and subsequent conversion of the final CGPA into percentage of marks (M), a graduating student shall be classified as follows:

(i) M >= 70% First Class with Distinction (FCD)

(ii) 60=< M < 70 First Class (FC)

(iii) 50 =< M < 60 Second Class (SC)

(iv) 40 =< M < 50 Pass Class

25RRB28.0 Mandatory Earning of AICTE Activity Points

(a) Apart from technical knowledge and skills, students are expected to develop holistic competencies beyond classroom learning in order to succeed as professionals. These include professional, technical, social, innovation, and entrepreneurial capabilities, societal commitment, effective soft skills, leadership qualities, and team spirit. TO address these multifarious requirements, AICTE has instituted a structured mechanism for awarding a prescribed minimum Activity Points, over and above the academic grades. Participation in such community-oriented and developmental activities shall be measured in terms of Activity Points, and earning the prescribed Activity Points shall be mandatory for the award of the B.E degree.

(b) The Activity Points earned by a student shall be reflected on the final Grade Card issued after successful completion of all the courses of the programme.

(c) Activity Points are non-credit in nature and shall not be considered for the computation of SGPA or CGPA

(d) Students who fail to earn the prescribed Activity points before the commencement of the Eighth Semester examinations shall not be issued the Eighth Semester Grade Card until the required Activity Points are earned. Accordingly, such students shall become eligible for the award of the degree only after the release of the Eighth Semester Grade Card.

(e) The minimum Activity Points to be earned by different categories of students are specified in the Table-4

Sl. No	Entry into the B.E Degree	Period available for earning the activity points	Activity points prescribed
1	Regular Students admitted to 1st Semester of the 4-year Degree Programme	4 Years	100
2	Students admitted through lateral entry and from other Universities to the 3rd Semester	3 Years	75
3	Students transferred from other Universities to the 5th Semester	2 Years	50

Table-4-1: AICTE Activity

Sl. No	AICTE Activity Head
1.	Support to School
2.	Business Proposal for village
3.	Sustainable water
4.	Tourism promotion
5.	Promotion of technologies
6.	Reduction in Energy consumption
7.	Skill rural population
8.	Digitized money transaction
9.	Women–Social /Economic
10.	Efficient garbage disposal
11.	Marketing of rural produce
12.	Food Preservation/Packaging
13.	Automation of local activities
14.	Rural outreach programs
15.	Contribution to National initiatives-Digital India/Skill India/ Swachch Bharat Internship etc
16.	Contribution to activities in the institution (department / InstitutionLevel)

25RRB29.O Award of Grade Cards, Certificates and Transcripts

25RRB29.1 Grade Cards: At the end of each semester, a Grade Card shall be issued to all the students registered for that semester. The grade card shall indicate, Course code, Course Title, Number of credits prescribed, Letter grade awarded, and Credits earned, for all the Courses prescribed in the scheme of Teaching and Examinations. The grade card shall indicate total credits earned, SGPA, and CGPA (where applicable). It may additionally indicate F grades and other temporary grades, if awarded.

25RRB29.2 Transcripts: A Transcript is a consolidated statement of the academic performance of a student covering all semesters from the date of admission to the programme. The Transcript shall normally be issued, upon successful completion of the programme, along with the Degree Certificate.

25RRB29.3 Transcript for Students with Multiple Attempts: For students who have taken multiple attempts to clear one or more courses, the transcript issued upon successful completion of the programme shall contain Only the earned pass grades. The courses cleared in subsequent attempts shall be shown in the respective semester indicating the month and the year of passing. The transcript shall display only the overall CGPA computed based on all the courses successfully completed by the student. Additional copies of the transcript shall be issued upon submission of a request along with payment of applicable fee.

25RRB29.4 Interim Transcript: Students who have not yet completed the programme may obtain an Interim Transcript at the end of any semester, upon submission of a request addressed to Registrar (Evaluation), and payment of the prescribed fee. The Interim Transcript shall include all courses registered up to that semester, failed courses that have not yet been cleared on the date of issue, and the SGPA and CGPA as applicable up to that semester.

25RRB30.0 Award of Degree Certificate

(a) A degree certificate is the final and official document issued by the University to a student during convocation, which is the formal university ceremony for the conferment of degrees. The degree certificate serves as the ultimate proof that the student has successfully completed all the academic requirements of B.E degree program and has been duly conferred with the degree by the University.

(b) The Degree Certificate shall include the name of the Candidate, Name of the Degree (BE) with Honours degree, if any, shown in brackets, Name of the institution along with its official status (Autonomous or Non-Autonomous), Subject (Branch name), Class awarded, and latest passport-size digital photograph of the Degree holder.

(c) Registration for Convocation shall be mandatory for receiving the degree certificate. All students studying in final year of B.E programme shall compulsorily apply through the VTU Convocation portal https://convocation.vtu.ac.in. by paying the nonrefundable fee as notified by the University from time to time in response to the Convocation notification issued by the University.

(d) The University shall be the sole authority to issue Degree Certificate to students of all Colleges under its jurisdiction. Accordingly, VTU shall dispatch the Degree certificates to its regional centres and extension centres. The Principal of Autonomous Colleges shall collect the certificates from the regional centres for further distribution to the cornered students. Students are advised to collect their degree certificates from their respective colleges.

(e) For further details regarding the Degree Certificate and Convocation process, reference shall be made to the official notifications issued by the University from time to time.

25RRB31.0 Provisional Degree Certificate (PDC)

(a) A Provisional Degree Certificate (PDC) is a temporary, but a legally valid document issued in lieu of Degree Certificate prior to the convocation.

(b) The PDC Shall remain Valid until original degree certificate is issued at

convocation. Upon the formal conferment of the degree and issuance of the Degree Certificate, the PDC shall cease to have legal validity, as it shall be superseded by the Degree Certificate.

(c) The PDC shall contain the following particulars:

(i)Name Of the Degree (B.E) with Honours, if any (shown in brackets),

(ii)Name of the institution along with its status (Autonomous or Non- Autonomous),

(iii)Subject (Branch name),

(iv) Class awarded, and

(v) Date Of completion of the Degree.

(d) The PDC shall be issued soon after the announcement of the results Of the final semester of the programme.

(e) The purpose of PDC may be used for purposes such as higher education, Job applications and joining visa and immigration purposes, professional registration, internships/training, entrepreneurship, and other related purposes.

(f) Students shall apply to the University for the PDC through the prescribed procedure on the Electronic Document Delivery and Tracking System (eDDTS) portal. The application form made available on the VTU website may also be used for this purpose.

25RRB32.0 programmes Offered by VTU

25RRB32.1 B.E Degree

(a) Students who successfully complete the course prescribed in the Scheme Of Teaching and Examinations shall be eligible for the award Of B.E degree.

25RRB32.2 B.E With Minor Degree

(a) Students who successfully complete the course prescribed in the Scheme of Teaching and Examinations and earn an additional 18 or more credits, in accordance with the Regulations of the University shall be eligible for the award of B.E degree with Minor qualification.

25RRB32.3 B.E (Honors) Degree

(a) Students who successfully complete the courses prescribed in the Scheme of Teaching and Examinations and earn additional 18 or more credits, in accordance with the Regulations of the University, shall be eligible for the award of B.E degree with Honors qualification.

25RRB32.4 Multiple Entry and Multiple Exit (ME-ME) Options

(a) Multiple Entry and Multiple Exit (ME—ME) refers to a flexible academic scheme under which students may:

(i) Enter an undergraduate engineering programme at the prescribed entry level.

(ii) Pause (i.e., temporarily discontinue) their studies with formal approval of the University due to valid reasons such as medical or health-related issues, family or personal circumstances, financial constraints, employment, entrepreneurship or start-up engagement, skill development, preparation for competitive examinations, or participation in internships. During a pause, no formal exit qualification (such as an Undergraduate Certificate or Diploma) shall normally be issued, as the student is expected to resume the programme and continue from the point at which the studies were discontinued.

(iii) Resume (re-enter) the programme at an appropriate stage without loss of academic progress, provided the re-entry occurs within the maximum permissible duration of the programme (eight-years for regular students admitted to first year of the programme and six-years for lateral entry students).

(iv) Exit the programme with a recognized qualification, based on the credits earned, such as a UG Certificate after successful completion of the first year or an UG Diploma after successful completion of the second year.

Notwithstanding the above, credits earned shall have a limited validity period (shelf life), typically 6 to 4 years from the year of issue of UG Diploma certificate, within which the student may return to complete the degree by surrendering the previously issued exit certificate to progress to the next level.

ME-ME ensures both horizontal and vertical academic mobility and is facilitated through the Academic Bank of Credits (ABC). It also supports to complete engineering education without loss of earned credits, subject to credit validity and maximum duration norms of the engineering/technology programmes.

(b) The objectives Of ME-ME scheme are to:

(i) Reduce student dropouts without academic loss,

(ii)Provide a recognised qualifications at intermediate stages of the programme,

(iii)Enable students to re-enter the programme after interruptions due to employment or personal reasons,

(iv)promote skill-based, flexible, and learner-centric education, and

(v)Align with engineering education with global best practices.

(vi)Provide an opportunity to complete engineering education without loss of earned credits, subject to credit validity and maximum duration norms.

(c) Under the National Credit Framework (NCrF), the certifications shown in Table 5 shall be awarded at the respective exit points, provided that the student has earned the prescribed credits and secured a minimum CGPA 4.0

Table 5: certification for Engineering as per NCrF

Year of exit	Semesters completed successfully	Certificate Awarding
First year	2 semesters	Undergraduate Certificate
Second year	4 semesters	Undergraduate Diploma
Third year	6 semesters	Bachelor of Science (B.S.) in engineering/ discipline
Fourth year	8 Semesters	B.E degree, B.E with Minor or Honours degree, where applicable

(d) Students who have successfully completed any one of the first three academic years and wish to exit the programme, shall apply for the issue of corresponding certificate by submitting an application to the Registrar (Evaluation) through the Principal, within 15 days from the date of announcement of the results, along with the prescribed fee, as notified by the University from time to time.

(e) A student who has exited the programme with an undergraduate certificate, undergraduate diploma, or B.Sc. degree in engineering shall be eligible to re-enroll for completion of the engineering degree. If the student re-enrolls under a different Scheme of Teaching and Examinations, from the one under which the exit occurred, additional courses, if any, shall be prescribed to ensure compliance with the prevailing curriculum requirements.

(f) Re-entry to the programme under ME-ME scheme shall be restricted to a maximum of two (2) instances.

(g) Students availing themselves Of the ME—ME option shall complete the B.E. degree within the maximum duration specified under the University Regulations.

25RRB32.5 Accelerated Degree Programme for Academically Exceptional Students

(a)Under accelerated degree programme, students who are academically strong, self-directed, disciplined and strategically organized, with a sound understanding of University Regulations and the stamina to sustain accelerated learning can complete all the academic requirements of 4 - year B.E programme in three and a half (3.5) years in case of regular students, and in two and a half (2.5) years in case of lateral entry students.

(b) Students shall register for the accelerated degree programme before the Commencement of V semester, in response to a notification issued by the University. This facility shall be available only to students who have secured a grade > A in each of the course in First attempt and have obtained a CGPA > 9 from the 1st to 4th semesters in the case of regular students, and from the 3rd to 4th semesters in the case of lateral entry students. Further, such students shall maintain a CGPA > 9 and successfully complete all the courses in a first attempt throughout the programme. If a registered student fails to satisfy any of the above requirements, the registration under the Accelerated Degree Programme shall stand cancelled, and the student shall thereafter complete the programme under the regular scheme, namely four years in

the case of regular students and three years in the case of lateral entry students.

(c) Registration for the NPTEL courses as specified in the VIII semester scheme of teaching and examinations may be completed at any time starting from the V semester.

(d) Registration for the regular courses of the VII Semester, as prescribed in the Scheme of Teaching and Examinations, shall be completed during the Summer Semester conducted immediately after the VI Semester.

(e) All course registrations under the Accelerated Degree Programme shall be carried Out under the supervision and approval of the Faculty Advisor/Proctor/Mentor.

(f) Capstone project phase-2 and the Internship shall be completed during the VII semester only.

(g) In cases where a student fails to satisfy the conditions prescribed above, the student shall be withdrawn from the Accelerated Degree Programme. In such cases, the courses successfully completed under the Accelerated Degree Programme shall be exempted from being studied again. However, such students shall thereafter continue under the regular scheme.

(h) A course completion certificate shall be issued jointly by the University and the College immediately upon the successful completion of the Accelerated degree programme, subject to compliance with all the prescribed norms, notwithstanding the minimum duration of the B.E programme prescribed by AICTE. The Degree Certificate shall be issued after the ensuing Convocation.

25RRB33.0 Award of Prizes, Medals, and Ranks

25RRB33.1 Award of prizes and Medals

For the award of Prizes and Medals, the conditions stipulated by the Donor shall be considered, subject to the provisions of the statutes framed by the University for such awards.

25RRB33.2 Award of Ranks

(1) For the award of rank in a Specialization of Bachelor of Engineering programme, the highest CGPA secured by the students from **Ill to VIII semester** shall be considered.

(2) The additional credits earned for the award of Honors or Minors degree qualifications shall not be considered for the Rank declaration.

(3) A student shall be eligible for the award of a rank at the time of the conferment of the Bachelor of Engineering degree, provided that the student:

(a) (i) Has passed all the credit and non-credit Courses from I to VIII semesters in the first attempt only, in case of students admitted to the I year of the programme, and has passed all the credit and non-credit Courses from Ill to VIII semesters in the first attempt only, in case of students admitted to the II year through lateral entry. Further, lateral entry students shall have secured PP status in non-credit mandatory mathematics courses (excluding students exempted from studying the non-credit mandatory mathematics courses) of Ill and IV semesters in the first attempt Only.

(ii) Has not withdrawn from any course during any semesters of the programme.

(b) Is not a repeater in any semester because of rejection of results of a semester, shortage of attendance, temporarily discontinued and rejoined/readmitted, or similar reason.

(c) Has completed all the semesters (l to VIII semesters in case of regular students and Ill to VIII in case of lateral entry students) in the academic departments Of VTU, VTU constituent colleges, or in any VTU affiliated colleges, excluding autonomous colleges.

(d) Has not been transferred from any autonomous college affiliated to VTU or from any other University.

(4) The total number Of ranks awarded in a specialization shall be Of the total number of students who for the VIII semester examination, subject to a maximum Often (10) ranks.

(5) For the award of ranks in a specialization, a minimum of ten (10) students shall

have appeared for the VIII semester examination.

Illustration:

(i) If 1228 students appeared for the VIII semester in the Electronics and Communication Engineering Programme, the number Of ranks to be awarded shall ten (10).

(ii) If 90 students appeared for the VIII semester in Biomedical Engineering programme, the number of ranks to be awarded shall be nine (09).

(iii) In Case of a fractional number of ranks, the number shall be rounded Off to the next higher integer only when the first decimal place is greater than or equal to 5. (iv) Ranks shall be awarded based on the merit of the students as determined by CGPA. In the event that two or more students secure the same CGPA, the tie shall be resolved by considering the number of times a student has secured a higher SGPA from Ill to VIII semester. If the tie remains unresolved, the number of times a student has obtained higher letter grades from the Ill to VIII semesters, such as O, A+, A, B+, and so on, shall be considered for determining the order of merit and the corresponding ranks.

(v) In the event of any conflict or ambiguity, the decision of the University shall be final and binding on all concerned.

25RRB34.0 Applicability and Power to Modify

(1) The VTU Regulations governing the degree of Bachelor Of Engineering/ Technology Of Visvesvaraya Technological University-2025 shall be binding on all concerned.

(2) Notwithstanding anything contained in the foregoing provisions, the University shall have the power to issue directions or orders to address and remove of any difficulties arising in the implementation of these Regulations.

(3) Nothing contained herein shall be construed as limiting the authority of the University to amend, modify, or repeal any or all of the above provisions, as may be considered necessary from time to time

25RRB35.0 PROGRAMMES OFFERED:

Table 6: Under graduate Programmes offered by the Institution

S. No	Title of the UG Programme	Abbreviation	Established year
1.	Computer Science and Engineering	CS	2006
2.	Electronics and Communication Engineering	EC	2006
3.	Electrical and Electronics Engineering	EE	2006
4.	Information Science and Engineering	IS	2008
5.	Civil Engineering	CV	2009
6.	Artificial Intelligence and Machine Learning	AI	2020
7.	Bachelor of Science (Honors)	BS	2020
8.	Robotics and Automation	RA	2021
9.	Computer Science and Engineering(IOT, Cybersecurity including, Blockchain Technology)	IC	2022
10.	Computer Science and Design	CG	2023
11.	Bachelor of Computer Applications	BC	2024
12.	Bachelor of Business Administration	BB	2024
13.	BE (CSE) for working Professionals		2024
14.	BE (EEE) for working Professionals		2024
15.	BE (ECE) for working Professionals		2026

Table 7: Post Graduate Programmes offered by the Institution

Sl. No	Title of the PG programme	Abbreviation	Established
1	Master of Computer Applications	MC	2008
2	Master of Business Administration	BA	2009
3	M. Tech in Computer Science and Engineering	SCS	2013
	M.Tech in Computer Science and Engineering (AI&ML)	CAM	2026

B25RRB36.0 Research Level programmes offered by the Institution: The Institution offers the following Research programmes

(i) M.Sc.(Engineering)by Research

(ii) Doctor of Philosophy(Ph.D.)

Table 8: Research Centers recognized by the University

Sl. No	Research Center	Abbreviation
1	Mechanical Engineering	ME
2	Electronics and Communication Engineering	EC
3	Computer Science and Engineering	CS
4	Civil Engineering	CV
5	Electrical and Electronics Engineering	EE
6	MBA	MBA
7	Mathematics	MAT
8	Physics	PHY
9	Chemistry	CHE

B25RRB37.0 ADMISSION OF STUDENTS:

The admission of students to various UG, PG and Research Degree programmes listed under **25RRB35.0**, is governed by the State Government and/or the University Policies/Practices in this regard. In particular, the admission of students for Research Degree programmes at the Institution shall be made by the University by associating the Institution concerned in the process as per the provisions in the VTU regulations governing the Degree of Ph.D.in the 2023. However, the admission of students to P G Diploma and Certificate programmes shall be made by the Institution on its own, by following the Regulations approved by its Academic Council. In all the cases, it is necessary to follow the statutory provisions of reservation of seats to different categories of candidates specified by the authorities from time to time.

B25RRB37.1 Lateral Entry Admissions:

There is provision for candidates with a polytechnic Diploma or any other qualification approved by the Council and the Commission to join UG Degree programmes at the beginning of the second year (3rd Semester) of the 4-year programme as per the prevailing practice in the University.

B25RRB37.2 Working Professional Admissions:

There is provision for candidates with a Qualification same as candidates eligible for Lateral Entry to Second Year.

B25RRB38.0 Eligibility Criteria:

The eligibility criteria for admission of students to UG, PG and Research Degree programmes at the Institution shall be the same as those prescribed by the UGC, All India Council for Technical Education (AICTE), the University and the State Government. But, the minimum requirements for admission to PG Diploma programmes shall be B.E or equivalent Degree. The equivalence or its method of determination shall be as notified by the University from time to time. Autonomous Institution is free to prescribe appropriate criteria for admission to Certificate programmes after receiving approval from its Academic Council time to time.

The eligibility for admission of students for **Working professionals** is Minimum of **ONE** Year Full time / Regular working Experience Professionals working in Registered Industry / Organization (Central / State) / Private/Public Limited Company/ MSMEs located within 50 KM radial distance from the Institute.