ACADEMIC RULES & REGULATIONS – 2026

VISION

To become a prominent institute for quality technical education, multidisciplinary skills with ethical values.

MISSION

- **M1:** Promote outcome based education to produce globally competent professionals adapting to the emerging technologies.
- **M2:** Strengthening a sustainable eco-system through innovative skills with industry-academia collaboration for societal development.
- **M3:** Instil professional leadership and entrepreneurial skills through lifelong learning with ethical values.

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1. ABOUT KARNATAKA REDDYJANA SANGHA (KRJS)

Karnataka Reddy Jana Sangha (KRJS) was established in 1925 and registered under the Mysore Societies Act III of 1904, vide Registration No. 122/24-25 dated 24 September 1925. Founded by a distinguished group of educationists, social workers, administrators, agricultural entrepreneurs, and academicians, KRJS was established with a vision to promote education and create opportunities for rural and economically disadvantaged sections of society.

With this vision at its core, KRJS began its journey by providing free hostel accommodation to economically disadvantaged and rural students, enabling them to pursue their education in the heart of Bengaluru at J.C. Road. Over the years, the organization has expanded its educational initiatives significantly and today manages 10 educational institutions, offering education from the pre-primary level to postgraduate studies, including professional and technical programs.

Continuing its commitment to the holistic development and welfare of society, KRJS has now reached another significant milestone with the inauguration of its medical hospital. This landmark initiative marks a new chapter in KRJS's journey, extending its service beyond education to accessible and quality healthcare, while reaffirming its longstanding commitment to the welfare and empowerment of society.

1.1. Institutions under KRJS:

KRJS oversees a diverse group of educational institutions, each dedicated to specific academic fields:

1.1.1. Vemana Institute of Technology (Vemana IT):

A premier institute of Karnataka ReddyJana Sangha established in the year 1999, named after Dharshanika Mahayogi VEMANA, a saint of tall order and a social reformer who reached the common people with his simple and straightforward "VEMANA PADYAMULU", a three-stanza oral poetry, very popular mouthpieces that serve as the medicine for worldly ailments. An autonomous engineering college affiliated with Visvesvaraya Technological University (VTU), offering undergraduate, and Ph.D. programs.

1.1.2. RJS Institute of Management Studies (RJSIMS):

RJSIMS established in the year 1998, is a vibrant and innovative centre of excellence, imparting value-based education to develop a cadre of frontline managers and professionals equipped with a high degree of social sensitivity, commitment and integrity. The core values of RJSIMS are integrity, responsiveness to societal needs, trust and openness.

1.1.3. **RJS First Grade College (RJSFGC):** Started in the year 1993, with one programme, few students and focus on quality based affordable education, which has reached up to eight programmes with excellent student enrolment in recent years.

1.1.4. **RJS PU College (Koramangala):** Started in 1991, with the noble aim to render top level education to all classes of society. Located in the green meadows of Koramangala, IT hub of Bangalore. It has been certified with prestigious 'A' grade from PU board Karnataka for its high-end teaching and infrastructure.

1.1.5. **DBM RJS Primary & High School (Koramangala):** Established in the year 1976 mainly with the objective of providing Education to the children of the locality and the neighbouring rural areas. It is an unaided institution recognised by the Karnataka State board, providing all the educational facilities.

1.1.6. **RJS Primary & High School (Roopena Agrahara):** Smt. Sharadamma Narayana Reddy donated the land for this esteemed ReddyJana Sangha School, Roopena Agrahara. The school was set up in the year 1993 from kindergarten and now it provides education from pre-KG to 10th Standard.

1.1.7. **RJS Primary School (Doddanekkundi):** Established in the year 1995 by Shri N. C. Gurumurthy Reddy and Shri N. C. Srinivas Reddy. The school has well-built infrastructure with a vast playground for students. It began with nursery classes and later introduced primary classes from the year 1997.

1.1.8. **RJS PU & CJR RJS First Grade College:** Established in the year 2002, located in Marathahalli, with an aim to produce intellectually enlightened, morally upright, spiritually inspired, socially committed, accomplished young minds, who in their role as men and women will be the elements of social change for a better tomorrow.

1.1.9. **Vemana Institute of Physiotherapy:** Established in 2019, committed to nurturing and transforming the talents of students through quality, value-based, and holistic education. The institution strives to empower students with knowledge, skills, and values to excel in their professional and personal lives. It is affiliated with Rajiv Gandhi University of Health Sciences (RGUHS) and recognized by the Government of Karnataka.

1.1.10. RJS Evening PU and Degree College: The Journey is rooted in the noble philosophy of Vidya Daana – the giving of knowledge, established in 2007. The institution was founded with a clear vision of making quality education accessible to students through high academic standards and an affordable fee structure.

1.2. Leadership:

The foundation is guided by a board of trustees comprising experienced individuals dedicated to its mission:

Table 1: Details of Board of Trustees (Office Bearers)

SL.NO.	NAME	DESIGNATION
1	Sri. D.N. Lakshmana Reddy	President
2	Sri. V. Venkatashiva Reddy	Vice President
3	Sri. N. Somashekar Reddy	Vice President
4	Sri. R. Ashok Reddy	General Secretary
5	Sri. B.K. Raja Reddy	Joint Secretary
6	Sri. G. Narendra Babu	Joint Secretary
7	Sri. N. VasudevBabu	Treasurer

2. ABOUT VEMANA INSTITUTE OF TECHNOLOGY (VEMANA IT)

2.1. Campus Life:

The institute is approved by AICTE, New Delhi, recognized by the Department of Higher Education, Govt. of Karnataka and affiliated to Visvesvaraya Technological University (VTU), Belgavi. The Vemana IT is accredited by the National Board of Accreditation (NBA), New Delhi. Currently it offers 8 undergraduate programs with an intake of 780 students in Computer Science and Engg (CSE), Information Science and Engg (ISE), Electronics and Communication Engg (ECE), Mechanical Engg (ME), Civil Engg (CE), Artificial Intelligence and Machine Learning (AI & ML), CSE (Data Science), and CSE (Cyber Security).

The Institute also has six VTU approved Research Centres equipped with state-of-the-art skill laboratories and centres of excellence in the leading engineering domains such as Vemana-Toyota Kirloskar Centre of Excellence for Automotives, Drop Weight Impact Machine, Ballistic Gas Gun and Split Hopkinson Pressure Bar for Low and High Velocity Impact Testing which attracts industry & Institute consultancy services, Electric Vehicle (EV) Lab collaborated with Luicite Pvt. Ltd. and Texas Instruments Innovation Centre.

Vemana IT also has a Business Incubation Centre sanctioned by the Ministry of Micro, Small & Medium Enterprises (MSME), Govt. of India, to promote research, innovation, and entrepreneurial skills among students and faculty. The centre nurtures the innovative idea of students by supporting technical know-how in the product development process and financial assistance through various funding agencies.

Further, Vemana IT has established an in-house startup ecosystem to promote and facilitate internship and employment opportunities for students and faculty members. The institute has fostered a culture of innovation, encouraging faculty and students to conceptualize, design, and develop a range of innovative products and interdisciplinary projects. These initiatives reflect the diverse technical competencies, creativity, and problem-solving abilities nurtured by the institute. The outcomes of these innovative product developments have been recognized with the Second Prize for Outstanding Research at the Indian Machine Tool Exhibition (IMTEX) 2023 and 2024 held in Bengaluru.

To further enhance the innovative skills and problem-solving abilities of students, the management of Karnataka ReddyJana Sangha entered a Memorandum of Understanding (MoU) with the Indian Technology Congress Association (ITCA) under the 75 Student Satellite Mission. This initiative provides students with an opportunity to participate in the design and development of the Vemana-Reddy Student Satellite, enabling them to gain practical exposure to interdisciplinary engineering, teamwork, innovation, and emerging space technologies.

3. PROGRAMS OFFERED

Table 2: Undergraduate Programs offered at Vemana IT

Sl. No	UG Programme	Nomenclature	Year of Establishment	Intake 2026 - 2027
1	Computer Science & Engineering	CSE	1999	180
2	Electronics & Communications Engineering	ECE	1999	180
3	Information Science & Engineering	ISE	2000	120
4	Mechanical Engineering	ME	2004	60
5	Civil Engineering	CV	2014	60
6	Artificial Intelligence and Machine Learning	AI & ML	2021	60
7	Computer Science & Engineering (Data Science)	DS	2023	60
8	Computer Science & Engineering (Cyber Security)	CY	2025	60

4. DEFINITION OF KEY WORDS

The definitions of the terms and expressions used in these Regulations are given below. For any clarification required, or for any term not defined herein, the interpretation given by the University shall be final and binding.

- **University:** Means Visvesvaraya Technological University (VTU), Belagavi.
- **Notification:** Means an official communication or notification issued by the concerned Statutory Officer of the University.
- **Act:** The Visvesvaraya Technological University Act 1994 including all amendments made thereto from time to time.
- **Principal:** Means Principal of a constituent college, or an affiliated autonomous or non-autonomous college of the University.
- **Dean (Academics):** Means the person responsible for overseeing and coordinating all academic activities of the Faculty of Engineering within the University.
- **College/Institution:** Means an institution that offers higher education programmes and affiliated to, constituted by, or otherwise attached to the University.

- **Affiliated College:** Means a college granted temporary or permanent affiliation by the University in accordance with the statutes and Regulations in force.
- **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.
- **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.
- **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.
- **National Credit Framework (NCrF):** India's education reform initiative that serves as an umbrella framework for the creditization of learning across school education, higher education, vocational education, and experiential learning.
- **Teacher/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.
- **Mentor/Faculty Advisor/Proctor:** Means a teacher or faculty member assigned by the institution to guide, mentor, counsel, and support the academic and professional development of the students allotted to him/her.
- **Student:** Means a person admitted to or enrolled in an institution to pursue a Programme of study conducted by the University/Institution including any person whose admission has not been cancelled.
- **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.

- **Lateral Entry Student:** Refers to student who has completed a three-year Diploma or B.Sc. degree and is admitted directly to the second year of the programme, as per prevailing admission regulations.
- **Programme:** Means a structured programme of study approved by the University, successful completion of which leads to the award of a degree certificate.
- **Discipline:** Refers to a specific branch or field of Engineering or Technology, such as Civil Engineering, Computer Science Engineering, Biomedical Engineering, and allied disciplines.
- **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.
- **Programme of study:** Means the systematic study and completion of the approved curriculum prescribed by the University for a particular Programme.
- **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.
- **Semester:** Means one of the academic periods into which an academic year is divided, during which courses are taught, assessed, and evaluated.
- **Course:** Means one of the subjects which is part of a Programme of study.
- **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.
- **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.
- **Audit Course:** Means a course that a student may register for self- enrichment or skill enhancement without earning academic credits or grades, and whose performance is not included in the computation of the SGPA or CGPA.
- **Course Code:** Means a unique alphanumeric identifier assigned to a course, indicating details such as the Programme, semester level, branch or discipline.

- **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 permissible duration, while accumulating the required credits for graduation.

- **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.)/ Bachelor of Technology (B.Tech.)

- **Honours Degree:** An Honours (British/Indian spelling) or Honors (American spelling) 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 Honours shall be indicated in brackets along with the engineering degree awarded.

- **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.

- **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.

- **Academic Bank of Credits (ABC) and Automated 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 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.

- **Continuous Internal Examination (CIE)/Formative Assessment:** Refers to the assessment of a student's academic performance during the teaching–learning process. CIE is conducted by the course instructor and may include multiple assessment components carried out during the semester with prescribed weightages, as specified by the University.
- **University Examination/ Semester End Examination (SEE)/ Summative Assessment:** Refers to a formal examination conducted by the University at the end of a semester (odd, even, or summer) to evaluate 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.
- **Credit Distribution Based on Weekly Academic Engagement:** Refers to the allocation of credit Values based on weekly hours devoted to various instructional modes, namely Lectures (L), Tutorials (T), Laboratory/ Drawing (P), and Self-Learning (SL) over the duration of a semester.

  Credits for project work, project phases, project viva–voce, and internships shall be as specified in the approved Scheme of Teaching and Examinations.
- **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 or, 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.
- **Grade Point (GP) or Letter Grade Point:** 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 (0) grade points.
- **Credit Point (CrP):** Refers to the product of grade point (GP) obtained in a course and the number of credits assigned to that course.
- **Passing Standards:** Refers to the minimum academic requirement for passing a course, where in a student must secure a grade point (GP) of four (04) or above.
- **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.

- **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.
- **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.
- **First Attempt:** Refers to the initial appearance to the semester end examinations (SEE) of a bonafide student registered for a semester.
- **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.
- **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.

5. ADMISSION PROCESS

5.1. Eligibility for Admission

- The basic qualification for eligibility for admission to BE programs is Second Year Pre-University or 12th Standard or equivalent examination (herein after referred to as the Qualifying Examination or QE in short).
- The candidate should have taken Physics and Mathematics as compulsory subjects along with Chemistry/ Biotechnology/ Computer Science/ Biology/ Electronics as optional subjects and English as one of the languages of study in the QE.
- Further, the candidate should have passed the QE with an aggregate of minimum 45% marks in the optional subjects in the QE (40% of marks in QE in case of SC, ST & OBC Category candidates) for eligibility.
- The marks obtained by the candidate in Biotechnology/ Computer Science/ Biology/ Electronics in the QE, will be considered in place of Chemistry, only for the purpose of determination of eligibility and not for the purpose of determination of rank, in respect of Engineering and Technology program.

- The institution may admit candidates belonging to Scheduled Castes, Scheduled tribes and any other groups as per the guidelines issued by Government of Karnataka/AICTE/VTU from time to time. The eligibility criteria may change with the direction of Government/ University / other statutory bodies.

5.2. Lateral Entry Admissions

- Students are admitted to B.E. Degree Programs in respective specializations to the second year, as per the guidelines issued by Government of Karnataka / AICTE / VTU from time to time.
- A student who is admitted directly to Second year under lateral entry scheme shall complete all the courses within a period of six academic years from the date of first admission into the B.E Program failing which he/ she is treated as NFTC.
- The student shall pass the mandatory courses as specified in the scheme compulsorily before the award of Degree. The student has to earn prescribed number of credits from second year.

5.3. Transfer from Other Institutes

- A student seeking admission to Autonomous Program from VTU either in the third or fifth semester, he / she should have cleared all the subjects under VTU. Students with Backlog subjects are not eligible for admission to Autonomous Program.
- No migration of student from VTU to Autonomous is permitted in 7th Semester.
- If any new courses are prescribed in Autonomous system which were not studied in VTU system, the candidate should clear those courses before completion of the Program.
- The student should make a request to change the Program from VTU system to Autonomous system to VTU through Principal and VTU decision is final.

6. ACADEMIC STATUTE

The curriculum is designed as per Outcome Based Education (OBE), with aspects of National Education Policy, NEP-2020 and shall include General Engineering subjects, Basic Science, Ability Enhancement Courses, Skill Development Courses, Humanity & Social Sciences, Core Professional Courses, Integrated Professional Core Courses, Non-Credit Mandatory Courses, Mini Project works and Project Work, Internships, Online Courses, Professional Electives and Other Electives.

- The percentage distribution/ coverage of courses are as per the guidelines given by VTU / UGC / AICTE and Ministry of HRD (MHRD) New Delhi.
- Individual Board of Studies for each Department takes care of formation of Scheme and Syllabus. The same is then approved by the Academic Council (AC) of the Institution.
- Additions and deletions of any particular course has to be recommended by Board of Studies (BOS) and approved by the Academic Council of the Institution.
- Each scheme also includes interdisciplinary courses and Institutional electives.
- Continuous Internal Evaluation (CIE) includes Internal Assessment Tests and Assignments.
- Student who does not satisfy the minimum attendance and CIE marks prescribed by the college is not eligible to take up Semester End Exams (SEE) in that particular course.

6.1. Semester Regulations

a. Each student of Vemana Institute of Technology (Vemana IT) must register for courses at the beginning of every semester as notified by the institution.

b. In case of any delay to register due to any exigency, the parent/student should intimate the Principal through the Proctor and Head of the Department in advance with the reason for such delay. However, for such students also, the attendance requirement shall be calculated from the date of commencement of the semester and not from the date from which the student starts attending the classes.

c. Any student may be barred from registering for any course for specific reasons like disciplinary reasons, non-payment of fees etc

d. An average course load of 20 credits per semester with its minimum and maximum limits being fixed at 16 and 28 credits respectively will be allowed as per the recommendation of BOS and Academic Council.

e. The number of credits is clearly defined in the Scheme of Study. Students are required to compulsorily register for all the courses prescribed for each semester.

f. Registered courses, along with the grades and credits earned, shall be recorded in the Grade Card issued at the end of each semester (ODD & EVEN), forming the basis for determining the student's academic performance.

g. Dropping: Within one week after the last date of second internal assessment test, the student may, in consultation with his/ her faculty advisor/ proctor, is allowed to drop a maximum of two courses and the credit requirement should not be less than minimum

limit specified. The dropped courses are not recorded in the Grade Card. This facility is not applicable for first year students. Such Courses to be re-registered by these students and taken up for study at a later semester in the program.

h. Withdrawal: A student may opt to withdraw from the course after the announcement of Final CIE but before the last working day as per the calendar. A student can withdraw a maximum of two courses, and the credit requirement should not be less than minimum limit specified only after the approval of the Academic Monitoring Committee.

i. The student should have attended the CIE and also should fulfil the attendance requirement for the course/s that he/she wants to withdraw. The withdrawn courses will be recorded in the Grade Card. This facility is not applicable for first year students.

j. Such Courses to be re-registered by these students and taken up for study at a later semester in the program.

6.2. Scheme of Semester

An Academic Year contains in total three Semesters; Two being Main Semesters (Odd, Even) and one being a Summer Semester. (Note: Summer Semester is primarily to assist the slow learners and/or repeater students for repeating the courses. **However,** Autonomous Colleges may use this Semester to arrange add-on Courses for other students and/or for deputing them for field work and/or internship). Summer semester is subjected to VTU regulations.

Semester Durations (Weeks)

Main Semester (Odd/Even): 20

Each Summer Semester: 10

Academic Activities (Weeks)

Main Semester: Award of rank of Courses- 0.5; Course Work- 15.5. Examination Preparation-1.0; Examinations- 2.0. Declaration of Results- 1.0; Total: 20.

Summer Semester: Registration of Courses- 0.5; Course Work-7.0. Examination Preparation-0.5; Examinations- 2.0. Total: 10.

Inter-Semester Recess:

After each Main Semester- 2 to 4 weeks

After Summer Semester- 1 to 2 weeks

6.3. Program Duration

6.3.1. Normal Duration:

The normal duration of an academic Programme is: Four years for B.E

6.3.2. Maximum Duration:

The maximum period that a student can take to complete an academic Programme shall be double the normal duration of the Programme as specified in the Table 2 below:

Table 3: Duration of Academic Programme

Sl. No.	Programme	Years	
		Minimum	Maximum
1	B.E. (including Honors/Minors)	4	8
2	B.E. (Lateral Entry)	3	6

7. EXAMINATIONS

Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) both will have equal weightage in the student's performance in Course Work, Laboratory Work and other activities.

7.1. Credit

The choice-based credit system (CBCS) is followed. The credit considerations are done as follows:

Theory course (L): Conducted for 1 hour/ week/ semester as one credit.

Tutorials (T): 2 hours/ week/ semester as one credit.

Laboratory course: Conducted for 2 hours/ week/ semester as one credit.

Note: The above figure shall be multiplied by a factor of 2 in the case of summer semester.

Based on the above, distribution of Credits is shown in Table below:

Lecture (L), Tutorials (T), Lab Work (P) and others.

- L*: Lecture
- T*: Tutorial
- P*: Practical
- SS*: Self Study

Table 4: Typical Credit Structure for Course Work

Theory/ Lectures(L) (hours/week/ Semester)	Tutorials (T) (hours/week / Semester)	Laboratory/ Practical(P) (hours/week/ Semester)	Total Hours of Pedagogy (L: T: P : (TW:SL):TH	Total Credits
4	1	0	4:1:0:(25:25):120	4
3	0	2	3:0:2:(30:20):120	4
3	0	0	3:0:0:(30:28):90	3
2	0	2	2:00:02:(0:0):90	3
2	0	0	2:0:0:(20:12):60	2
1	0	0	1:0:0:(10:06):30	1
0	0	2	0:0:2:(00:02):30	1
0	0	2	0:0:2:(00:02):30	1

Term Work (TW) & Self Learning (SL)

Table 5: Total number of credits required for the award of degree

Programme	Normal Duration (Years) (Semesters)	Minimum No. of Credits to be Earned
UG Degree		
B.E.	4.0 (8 Semesters)	160
B.E. (Lateral Entry at II-Year Level)	3.0 (6 Semesters)	120

Note:

- For lateral entry students, any shortfall in credits may be fulfilled by opting for additional courses offered.
- Lateral entry students must complete the prescribed bridge courses/audit courses without earning additional credits.

7.2. Internships (Mandatory for UG Students)

- Internship is a mandatory component of the B.E. Programme.
- All students must complete an internship as per VTU guidelines.

Types of Internships:

Students shall undertake one of the following internship types during the eighth semester, as per academic guidelines:

1. **Industry Internship:** Shall involve practical exposure and training within an industrial or corporate setting.
2. **Research Internship:** Shall focus on academic or applied research under the guidance of faculty or research institutions.
3. **Post-Placement Internship:** Shall be undertaken by students who have secured placement, aligning with their future employment domain.
4. **Societal Internship:** Shall engage students in community-based or social impact projects with NGOs, government bodies, or civic organizations.
5. **Online Internship:** Shall be conducted through recognized digital platforms offering structured internship modules.
6. **Skill Enhancement Internship:** Shall be opted by students unable to secure internships, offering credit equivalence through curated online

8. MENTORING / PROCTORING

There is an adviser/mentoring system, involving regular faculty members, with each faculty adviser being assigned a group of students.

The functions of faculty mentoring shall be to:

- Advise the student in the group on all academic matters (Course registrations, dropping of courses / withdrawing of courses).
- Monitoring the student in the group for their individual academic performance.
- Identify students in the group who are slow, average or fast learners to help them phase their studies/learning based on their individual abilities.
- Serve as a friend, philosopher and guide to all of them in the group during their studentship in the college.

9. ATTENDANCE REQUIREMENT

- All students of Autonomous Colleges under the University shall maintain a minimum attendance of 85% in each of the course registered.
- In case of any short fall in this, Principal of the College shall consider the same and may condone the deficiency in special cases up to 10%, for reasons such as medical grounds, participation in University level sports, cultural activities, seminars, workshops and paper presentation with the permission of the College authorities.
- Even in such cases, a minimum of 75% attendance is mandatory.
- If the student does not meet the attendance requirement, he / she will not be allowed to take up the Semester End Examination (SEE) in such courses only and the student can register for such courses in subsequent Semesters.

10. EVALUATION SYSTEM

- The Continuous Internal Evaluation (CIE) 50 marks shall be decided based on internal tests and other outcome-based activities.
- Out of 50 marks earmarked for CIE, there will be two Internal Assessment (IA) conducted for 50 marks and will be reduced to 25 marks each, remaining 25 marks shall be assigned for Continuous Comprehensive Assessment (CCA), conducted as per the rubrics listed in the assessment section of the respective syllabus.
- Irrespective of the type of courses, student 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 statues, as applicable.
- The students should secure the minimum CIE in both test component and CCA component (i.e is 10/25 in test and 10/25 in CCA) for PCC Courses to be eligible for SEE.
- To appear for the SEE of the IPCC, a student shall secure at least 40 % of 25 marks, (i.e., 10/25) in the CIE theory component, and at least 40 % of 25 marks, (i.e., 10/25) in the CIE practical component.
- To be Eligible to attend Semester End Examination (SEE), a student should have secured minimum marks in CIE and attendance ≥85% in the respective course.
- For U.G. program CIE ≥ 40% of Maximum marks (i.e ≥ 20/50).
- If the student fails to get the minimum marks, he/ she will be declared as NE in the respective course and will have to register during the Summer Semester.

The Curriculum Framework for a B.E./B. Tech. Degree programme is given below as an example.

a. Recommended Courses: These include coursework under the following categories:

- **Humanities, Social Sciences, and Management Courses (HSMC) Examples:** Universal Human Values, Communicative English, Language, Constitution of India & Professional Ethics, Environmental Studies, Indian Knowledge System, NSS, NCC, Sports, Yoga, Music etc.
- **Basic Science Courses (BSC) Examples:** Mathematics, Physics, Chemistry & Biology for Engineers
- Engineering Science Courses (ESC)
- Emerging Technology Courses (ETC)
- Professional Core Courses (PCC)
- Professional Elective Courses (PEC)
- Open Elective Courses (OEC)
- Integrated Professional Core Courses (IPCC)
- Project Work: Dissertation, Mini-project work and Major Project work
- Seminar
- Internship (INT)
- Ability Enhancement Courses (AEC)
- Mandatory Non-Credit Courses (MNC)

b. Mandatory Non-Credit Courses (NCMC):

The UG Degree programmes also require knowledge of certain courses like Communication Skills, Chosen Language Knowledge / Proficiency, NSS, NCC, Sports, Yoga, Music, Indian Knowledge System etc. as Mandatory Non-Credit Courses. Such courses shall not carry any credits. These courses shall have only CIE and shall not be considered for CGPA calculation and vertical progression, but completion of the courses shall be mandatory for the award of a degree.

1. These Mandatory Courses to be offered in a programme shall be as notified by university from time to time. Hence, each Autonomous College under the University shall take suitable steps to organize the Mandatory Courses as required and to include the student's performance (like, pass or fail) in such course(s) in his/her Grade Card.

2. Formal registration for these courses shall also be done along with other courses, at the beginning of the semesters.
3. Mandatory non-credit course requirements are assessed as Pass (PP)/ Not Pass (NP), subject to the fulfilment of the minimum requirements of the specified activities and a minimum of 85% attendance. The award of degree is subject to successful completion of these requirements.
4. A student will be awarded 'PP' grade for the course registered for, in that semester, provided the minimum requirement is met together with attendance criteria.
5. Not satisfying these requirements will result in a failure grade 'NP' (Not Pass), and the student has to re-register for the course when offered in the subsequent summer semester only.

c. Induction Programme and Internships:

It is necessary to include a 3-week Induction Programme for the first-year B.E./B. Tech. students at the beginning of their 1st Semester, as per the requirements of AICTE in its Model UG Curriculum (Feb. 2018). Besides, there is also a mandatory requirement of Internships to be undertaken by all the UG students as specified by the University from time to time. The Autonomous Colleges shall ensure that both these recommendations are fulfilled.

11. GRADUATION CEREMONY

The college will conduct a Graduation Ceremony to confer provisional degrees upon the graduating students. Certificates, prizes, and academic ranks will also be awarded during the ceremony.

Degree classification:

First Class with Distinction CGPA ≥ 7.0

First Class – CGPA ≥ 6.0

Second Class – CGPA ≥ 5.0

12. DISCIPLINARY MEASURES

12.1. Anti-Ragging

Ragging is strictly prohibited and punishable under law. Acts include teasing, harassment, forcing activities, physical or mental harm.

Mandatory Anti-Ragging Undertaking shall be submitted by every student and parent at the time of admission. The Institution shall constitute an Anti-Ragging Committee and Anti-Ragging Squad to monitor and prevent ragging within the campus. Surprise inspections shall be conducted in hostels, classrooms and other campus areas.

Any complaint of ragging may be reported through prescribed mechanisms, including anonymous reporting, and shall be dealt with strict confidentiality. Students found directly or indirectly involved, including abetting, encouraging, or concealing ragging, shall be treated as equally guilty.

Punishments include:

- Suspension
- Expulsion
- FIR filing
- Debarring from scholarships, fellowships, and awards
- Withholding of results
- Debarring from representing the institution in academic, cultural, or sports activities
- Suspension or cancellation of admission
- Rustication for a specified period
- Entry of misconduct in the character certificate
- Expulsion from hostel or institution
- Collective punishment where offenders are not identified

13. SEXUAL HARASSMENT / EXPLOITATION

Sexual Harassment Cases will be reported to police, and action will be taken as per law.

The Institution shall establish an Internal Complaints Committee (ICC) to address complaints in accordance with applicable guidelines. All complaints shall be handled with fairness, confidentiality, and sensitivity.

Interim measures such as suspension, restricted campus access, or separation of parties may be enforced during inquiry. Harassment through digital platforms (cyber harassment) shall also be treated as misconduct. False or malicious complaints, if proven, may attract disciplinary action.

Punishments include:

- FIR filing and legal action
- Suspension pending inquiry
- Debarring from attending classes, examinations, or placement activities
- Mandatory counselling sessions
- Expulsion from institution in severe cases

13.1. Campus Discipline

Students shall:

- Follow rules and prescribed dress code
- Not involve in drugs, violence, or misuse of property
- Not use mobile phones in academic areas
- Maintain professional and respectful conduct towards faculty, staff, and peers
- Refrain from cyber misconduct including hacking, data misuse, or online harassment
- Avoid plagiarism and academic dishonesty in assignments, examinations, and projects
- Follow laboratory safety and institutional protocols
- Respect institutional property and maintain campus cleanliness
- Avoid any activity that disrupts academic functioning or discipline of the institution Violation will lead to strict punishment including expulsion.

Punishments include:

- Monetary fines depending on severity
- Community service or corrective assignments
- Suspension from classes or examinations
- Debarring from participating in extracurricular and placement activities
- Cancellation of hostel accommodation
- Confiscation of unauthorized items/devices
- Expulsion from the institution

14. TERMINATION FROM THE PROGRAM

A student shall be permanently withdrawn from the program and required to leave the institute under the following circumstances:

a. **Violation of Institute Discipline:** Failure to meet the standards of discipline as prescribed by the institute.
b. **Unauthorized Absence:** Absence from classes for more than six consecutive weeks in a semester without approval from the competent authority.
c. **Exceeding Maximum Duration of Study:** Failure to complete all courses successfully within the maximum duration allowed for program completion.

15. AICTE ACTIVITY POINTS

Visvesvaraya Technological University (VTU) mandates that all undergraduate engineering students earn a specific number of AICTE Activity Points to qualify for their degree. These points are tracked via the mandatory VTU Activity Points Tracking System.

To be eligible for graduation, students must earn the points based on their entry category:

- Regular Students (4-year program): 100 Activity Points.
- Lateral Entry Students (3-year program): 75 Activity Points.
- University Transfer Students (admitted to 5^{th} semester): 50 Activity Points.

The details of earning of activity points are discussed in the Annexure-1

16. HONOURS DEGREE

Visvesvaraya Technological University (VTU) offers B.E./B.Tech. Honours degree programs to highly meritorious students.

To earn an Honours degree, students must earn (18) to (20) additional credits by completing specified MOOCs or NPTEL courses by the end of their final year.

The details given in Annexure-2

17. MOOCs POLICY

The Visvesvaraya Technological University (VTU) mandates MOOCs (NPTEL/SWAYAM) for degree completion. Postgraduate (PG) students must complete mandatory Board of Studies (BOS) courses before graduating. Undergraduate (UG) students must earn 18 extra credits through approved MOOCs to qualify for an Honors or Minors degree.

The details given in Annexure-3

18. MINOR DEGREE

Visvesvaraya Technological University (VTU) offers students the opportunity to earn a Minor degree in an emerging field alongside their regular B.E./B.Tech. major. It requires completing 18 to 20 additional credits and must be completed simultaneously with the major degree.

The details given in Annexure-4

19. ACADEMIC BANK OF CREDITS

The Visvesvaraya Technological University (VTU) mandates that all students to register for an Academic Bank of Credits (ABC) ID. This is a digital repository (linked to DigiLocker and the APAAR/Aadhaar system) where your academic credits are securely stored and transferred. Students must submit their ABC IDs to their college departments for verification and upload.

The details given in Annexure-5

20. FINAL STATEMENT

These regulations may get revised & amended from time to time based on approval of the Academic Council / Governing Body and in accordance with AICTE / UGC and VTU guidelines and shall be binding on all students, faculty, staff, and stakeholders of the institution.

Any question as to the interpretation of these Guidelines shall be decided by the institution and university, whose decision shall be final and binding in the matter. These guidelines should be read as whole for the purpose of any interpretation. In case of any doubt or ambiguity in the interpretation of the above guidelines, the decision of the Principal & Vice chancellor, VTU will be final. The institution follows the amendment made by the university on these guidelines at any time and the changes or amendments made shall be applicable with effect from the date notified by the Institution and University.

ANNEXURE – I

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

JNANA SANGAMA, BELAGAVI- 590 018

AICTE Activity Point Programme Manual

VEMANA INSTITUTE OF TECHNOLOGY

Koramangala, Bengaluru – 560034.

AICTE USER MANUAL GUIDE

Apart from technical knowledge and skills, to be successful as professionals, students should have excellent soft skills, leadership qualities and team spirit. They should have entrepreneurial capabilities and societal commitment. To encourage these abilities and talents, Vemana Institute of Technology has introduced activity points to be earned by the students during their academics over the period of their graduation at the college covering community service, sports, volunteering in extra-curricular and co-curricular activities.

All students have to earn a minimum of 100 activity points in four years from various activity segments listed to qualify for the B.E degree. For lateral entry students joining from the third semester, the activity point requirement is 75. All documental proof for awarding the activity points should be obtained and kept with the college authorities to be verified by the Academic Auditor.

Sl. No.	Student Category	Activity Points prescribed by AICTE
1.	Regular students admitted to 4 years degree program.	100
2.	Students entering the program through lateral entry	75
3.	Students transferred from other universities and colleges in 5th semester	50

1. Objectives of AICTE Activity

a. **Promote Social Responsibility:**

Encourages students to actively contribute to society through activities like cleanliness drives, awareness campaigns, and community service.

b. **Develop Civic Sense:**

Builds awareness about duties as responsible citizens, including participation in environmental protection, health awareness, and public welfare initiatives.

c. **Encourage Community Engagement:**

Motivates students to interact with local communities and understand real-life social issues such as poverty, sanitation, and education.

d. **Foster Teamwork and Leadership:**

Provides opportunity to work in groups during social activities, helping students develop leadership qualities and collaboration skills.

e. **Support Personality and Ethical Development:**

Helps students build values like empathy, discipline, and ethics through service-oriented activities and volunteer work.

1.1. Note for students to Acquire AICTE Activity Points:

- Each student should serve the community for 300-400 hours in 4 years.
- For lateral entry students 200-250 hours to be devoted for the community service.
- 40-45 hours are taken as one week.
- Activity can be coordinated with NCC/NSS/Sports/SAGY coordinator.
- Every student is required to prepare the report containing proofs of activities. This file will be evaluated by the concerned evaluator.
- These points are non-credit mandatory points and there will be no effect on CGPA/SGPA. The points students have earned will be reflected on the student's transcript.
- Activity can be performed anytime during weekends/Holidays/Vacation.

As per AICTE rural internship program, if students complete the long-term goal during the degree program, it will be considered as an internship activity and credit requirement for the internship will be fulfilled. The following long-term goals are suggested to be carried out by students and teams.

1. Prepare and implement plan to create local job opportunities.
2. Prepare and implement plan to improve education quality in village.
3. Preparing an actionable DPR for doubling the village income.
4. Developing a sustainable water management system.
5. Prepare and implement plan to improve health parameters in villagers
6. Developing and implementing low-cost sanitation facilities.
7. Prepare and implement plan to promote local tourism through innovative approaches.
8. Improve/ Develop technology solutions which will improve quality of life.
9. Prepare and implement solution for energy conservation.

10. Prepare and implement Plan to skill village youth and provide employment.
11. Develop localized techniques for reduction in construction cost.
12. Prepare and implement plan of sustainable growth of village.
13. Setting up of information imparting club for women leading to contribution in social and economic issues.
14. Developing and managing efficient garbage disposable system.
15. Contribution to any national level initiatives of Government of India. Ex: Digital India/Skill India/ Swachh Bharat Internships etc.

Students may choose activities as per their likings. Each activity listed above can be awarded 20 points if completed in 80hrs – 90hrs.

1.2. Expected Outcomes

1. **Increased Social Awareness:** Students gain a better understanding of real-time social issues such as cleanliness, health, education, and environmental challenges.
2. **Development of Civic Responsibility:** Students become more responsible citizens by actively participating in community welfare and public service activities.
3. **Improved Communication Skills:** Interaction with different groups in society helps students improve their communication and interpersonal skills.
4. **Enhanced Teamwork and Leadership:** Students learn to work collaboratively and take initiative while organizing and participating in social activities.
5. **Ethical and Value-Based Growth:** Students develop qualities like empathy, discipline, respect, and a service-oriented mindset through their involvement in social work.

2. Activity Summary Sheet

Sl. No.	Activity Heads	Minimum duration		Performance Appraisal / Maximum Points	Evaluated By
		Weeks	Hours		
1	Helping local schools to achieve good results & enhance their enrolment in Higher/ Technical/ Vocational Education	2	80-90	20	NSS/RED CROSS COORDINATOR/ AICTE COORDINATOR/ COLLEGE INTERNAL COMPLAINT COMMITTEE (CICC) / MENTOR/ SANSAD ADARSH GRAM YOJANA
2	Preparing an actionable business proposal for enhancing the village income	2	80-90	20	
3	Developing Sustainable Water Management system	2	80-90	20	
4	Tourism Promotion Innovative Approaches	2	80-90	20	
5	Promotion of Appropriate Technologies	2	80-90	20	
6	Reduction in Energy Consumption	2	80-90	20	
7	To Skill rural population	2	80-90	20	
8	Facilitating 100% Digitized money transactions	2	80-90	20	
9	Setting of the information imparting club for women leading to contribution in social and economic issues	2	80-90	20	
10	Developing and managing efficient garbage disposal system	2	80-90	20	
11	To assist the marketing of rural produce	2	80-90	20	
12	Food preservation/packaging	2	80-90	20	
13	Automation of local activities	2	80-90	20	
14	Spreading public awareness under rural outreach programs	2	80-90	20	
15	Contribution to any national level initiative of Government of India, For e.g. Digital India/ Skill India/ Swachh Bharat Internship etc.	2	80-90	20	
16	Creating an awareness regarding rainwater harvesting in urban and rural area	2	80-90	20	

The table given above lists the activities under each segment mentioned by AICTE that includes the level of achievement expected, activity points, evidence needed to assign the points and the minimum duration needed for certain activities. Additional activities falling under these segments can be considered, if requested by the college with full details. However, this has to be approved by the Academic Committee of the Vemana Institute of Technology.

2.1 Validation of Documents

Activity Approval Documents:	Approving Authority
1. Certificate 2. Letter from Authorities 3. Appreciation recognition letter 4. Geo tag photos	AICTE/NSS coordinator.

3. APTS (Activity Point Tracking system) Application

3.1. Objective

Create a mobile/web application where students:

- Log their AICTE activities
- Track points & hours
- Upload proofs
- Monitor progress toward required targets

3.2. Faculty Module

- Approve of activities
- View student points
- Tracking of performance

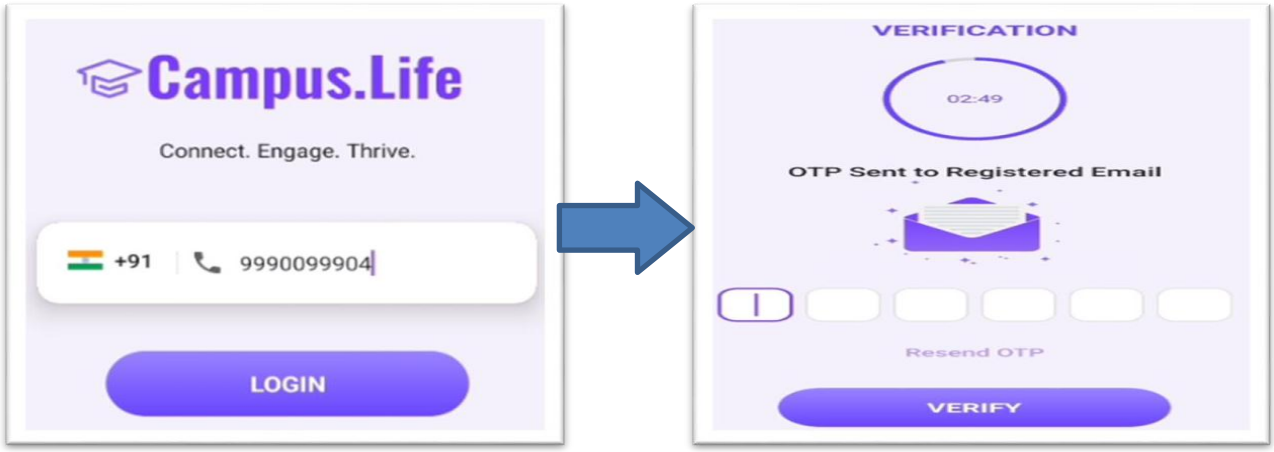
3.3. 3.3. Procedure for Students APTS (Activity Point Tracking system) app download:

1. Open Play Store/App Store
2. Search “AICTE Activity Tracker”
3. Install the app
4. Login using Roll Number
5. Add activities with proof
6. Track points on dashboard

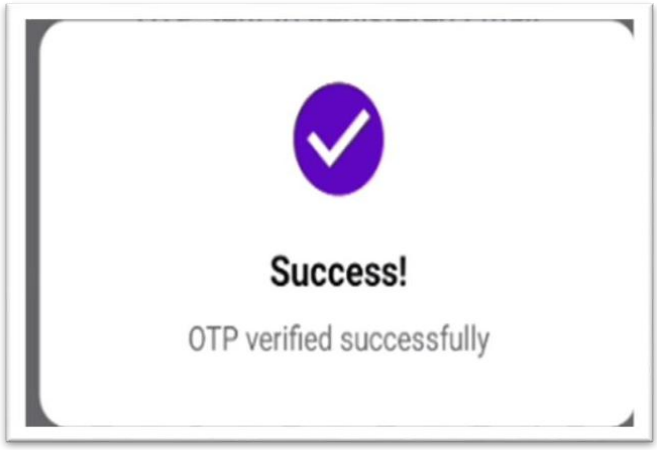
Student volunteering feature available on “campus.life” app. This feature helps in easily find and participate in and track their volunteering activities in a simple and organized manner.

Step 1: First log in to the app using their registered mobile number.

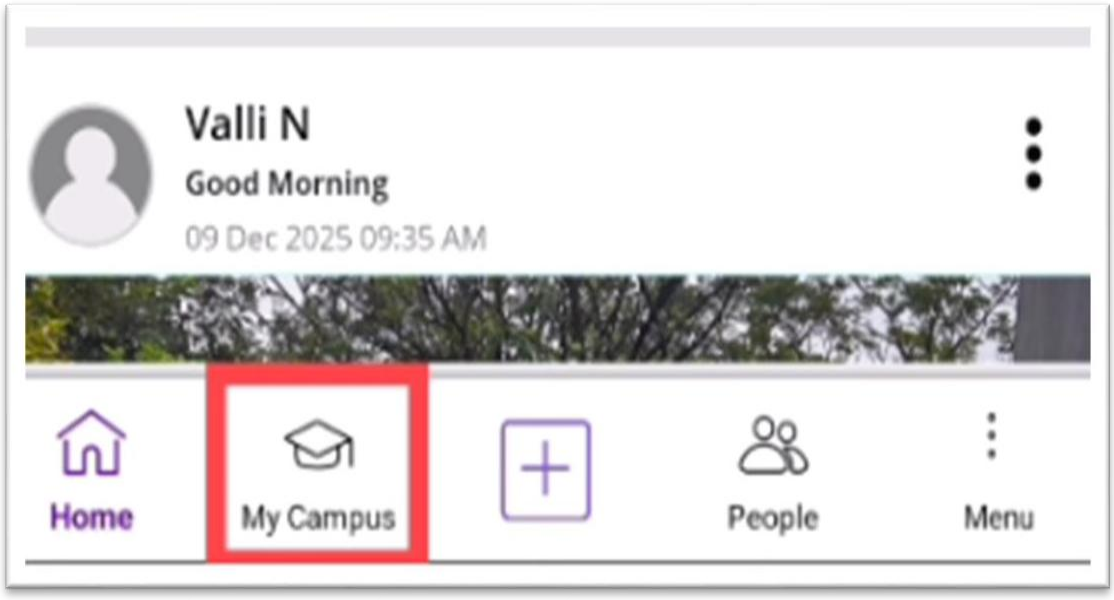
Step 2: Verify through an OTP sent to their registered e-mail id.



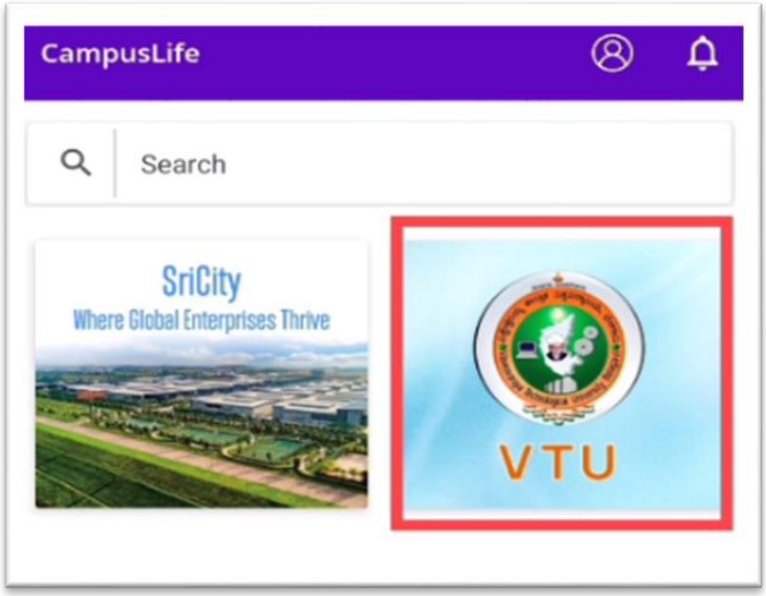
Step 3: After the successful login they will land into the home screen where they can see a life feed of student activities.



Step 4: From the bottom navigation bar students need to click on the My Campus tab.

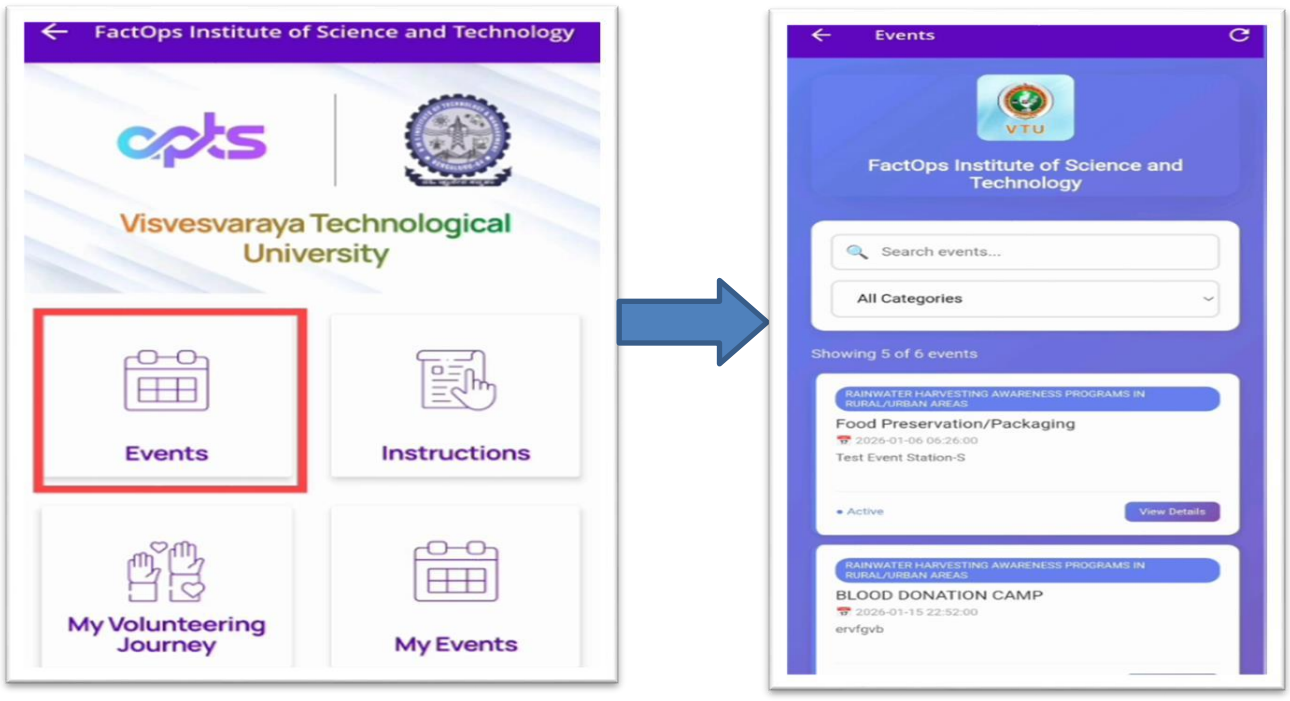


Step 5: Then select the VTU tile.

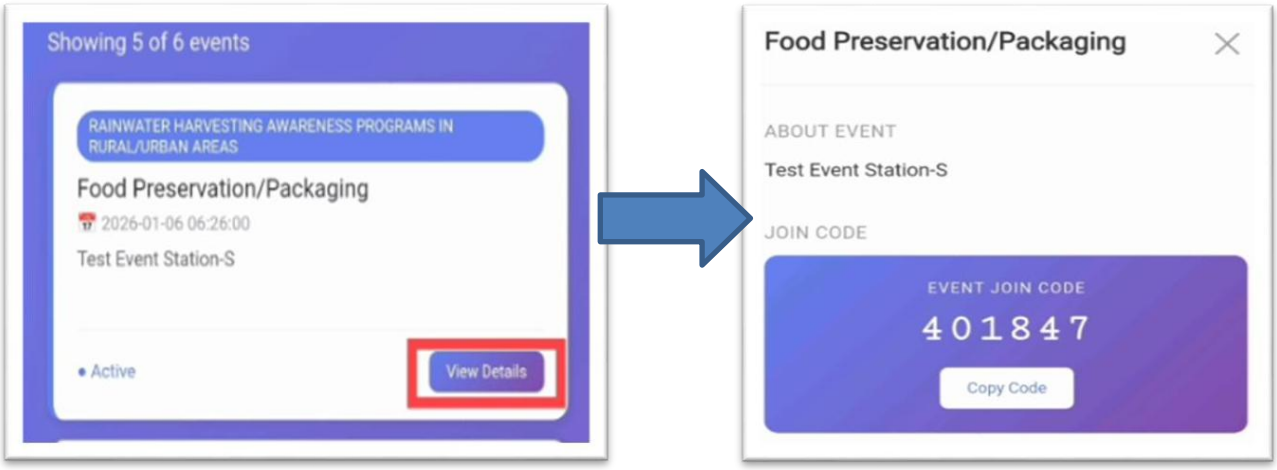


Step 6: The next step will be taken to the main volunteering section where all VTU related activities are available.

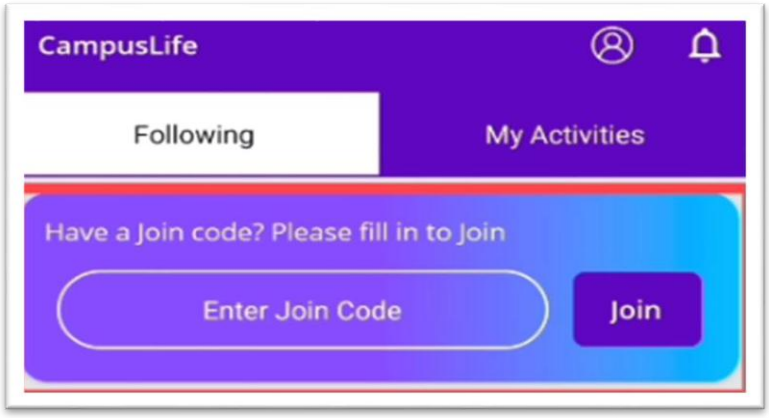
Step 7: The event's tile is the main section where students can explore all volunteering opportunities. Students can view, search and filter events created by VTU / Principals / College Coordinators.



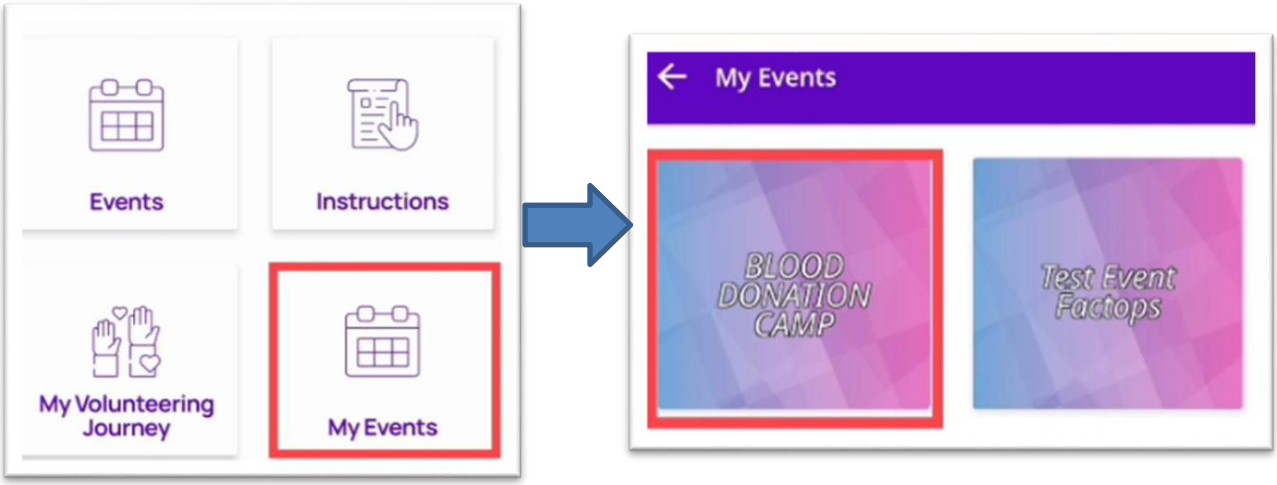
Step 8: To join any event students can simply click on view details and they will receive a unique code to join that event.



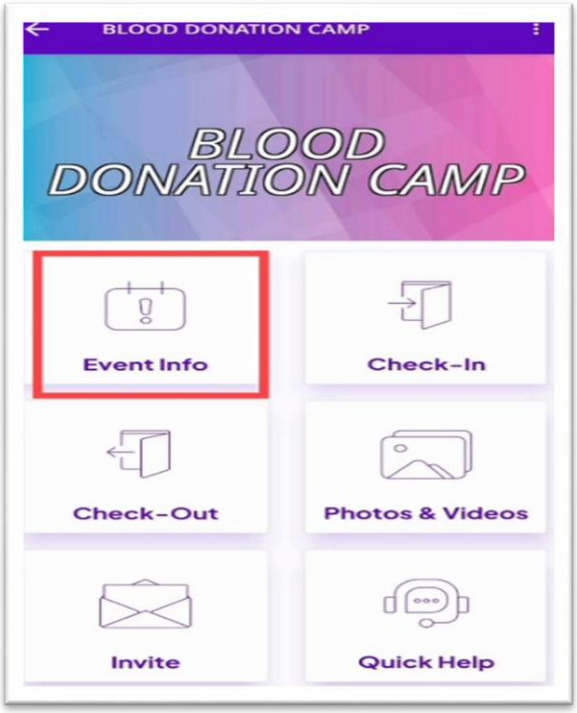
Step 9: After copying this code students should enter the code in the join code field available in the VTU home screen to successfully enroll.



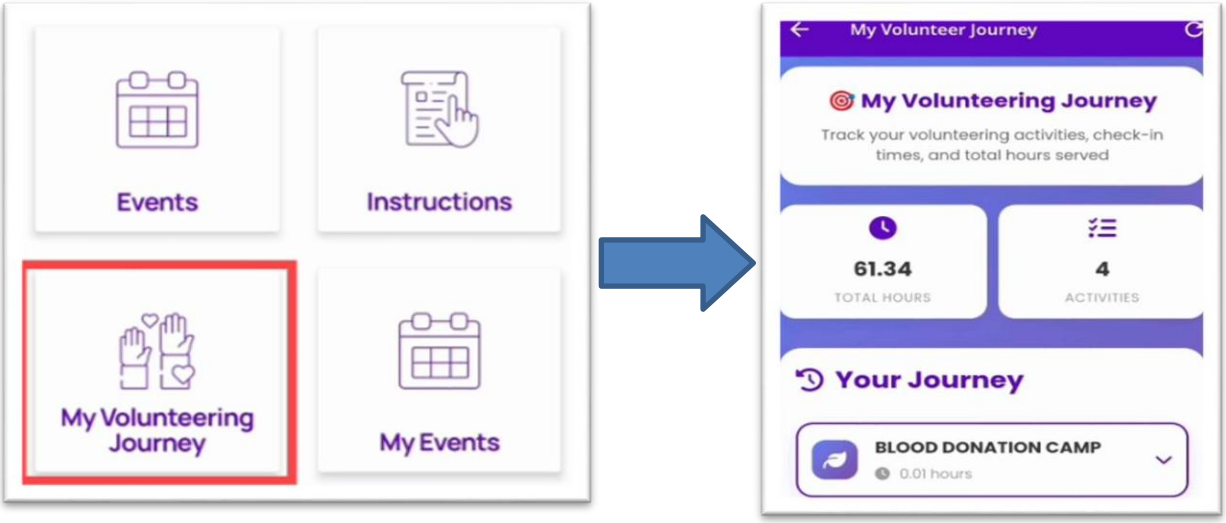
Step 10: Once the student joins the event, they can view it in the My Events section. By clicking My Events sections, students can view all the events they have joined.



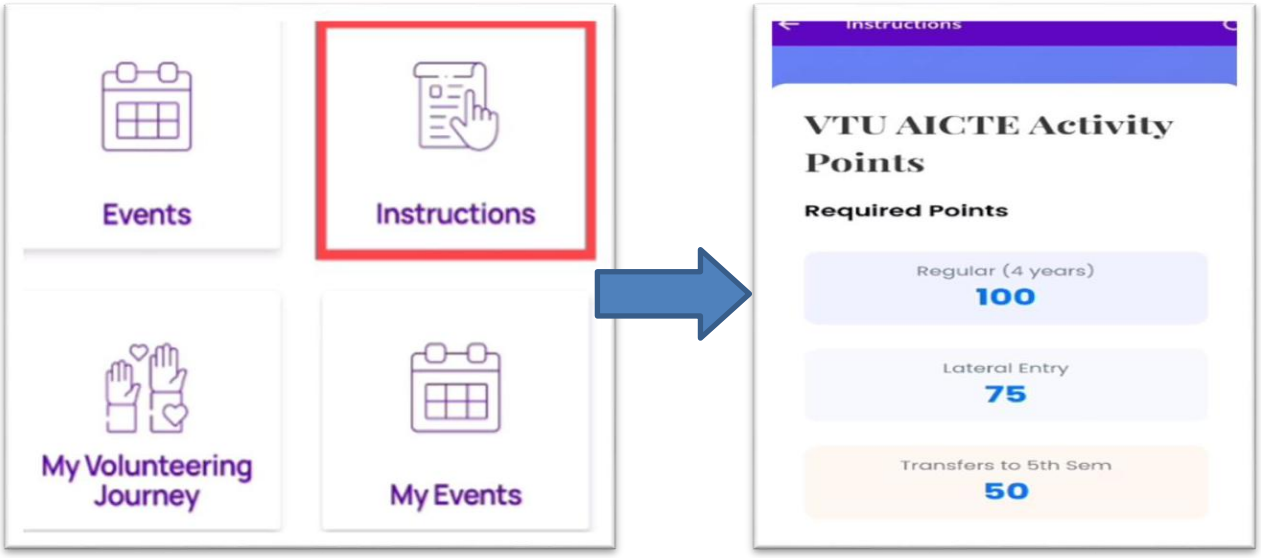
Step 11: Next click on the event joined to view the detailed information about that event. For attendance QR based system is used. Students have to scan the QR code at the event location to check in and scan again to check out once the activity is completed. This ensures proper and accurate volunteering hours. Students can upload their photos and videos of their volunteering activities. Geo tagged photos helps in authenticity and confirms their presence at the activity location. Students can also invite their friends to join the activity through social media. Quick help feature can be used to raise a request.



Step 12: Volunteering Journey section provides a complete summary of activities. It shows total number of hours, total number of activities, check in & check out timings and location details.



Step 13: The instructions style contains important guidelines related to VTU norms, AICTE activity points and compliance rules that students must follow.



Overall, the VTU student volunteering feature on campus.life provides a smooth and transparent experience to participate in volunteering activities and track their contributions and showcase their efforts effectively.

References:

1) AICTE INTERNSHIP POLICY: GUIDELINES & PROCEDURES, Chapter 6.
2) VTU circular on earning activity points dated 1st August 2019.

ANNEXURE – II

HONOURS DEGREE

VTU Regulations Governing the Honours Degree:

Applicable to the students of University Department programs/ Constituent colleges, affiliated Autonomous and non-autonomous colleges of VTU, Belagavi from 2025-26 batch and onwards.

Introduction:

An increasingly interconnected global economy, in which the economies of individual countries are viewed collectively as a single economic system due to globalization, is creating both collaborative opportunities and competitive pressures. These developments necessitate broadly educated engineers and business professionals. Further, the next generation of engineers must adopt an interdisciplinary approach to problem-solving in order to address complex real-world challenges effectively.

The objective of recognizing students with superior academic ability through the award of Honours (Honours: British/AICTE usage; Honors: American usage) is to:

i. Encourage advanced levels of study and multidisciplinary learning,
ii. Enable specialization in a focused area of interest,
iii. Facilitate the acquisition of new skills and methodologies relevant to the chosen area,
iv. Promote personal creativity and intellectual curiosity,
v. Cultivate sustained interest in higher education and research,
vi. Enhance professional competence and overall professional development, and
vii. Provide opportunities for formal recognition at the time of graduation for advanced and distinguished undergraduate work.

The Bachelor of Engineering/technology degree with Honours, earned through enriched academic experiences, both inside and outside the classroom, enhances post-graduation opportunities for professional engineers in an increasingly competitive global environment. To encourage and groom engineering students during their undergraduate programme to become self-motivated independent learners, critical thinkers, effective problem solvers, good communicators, team players, capable managers, lifelong learners, and individuals who are economically, environmentally,

and socially conscious, the AICTE has introduced a scheme requiring students to earn 18 or more additional credits through Massive Open Online Courses (MOOCs).

To meet the evolving engineering skill requirements of the next generation, arising from rapid technological advancement, globalization, and changing expectations of industry and society, VTU aims to prepare graduates equipped with interdisciplinary knowledge and competencies.

In alignment with the objectives of AICTE, VTU has instituted the award of a Bachelor of Engineering /Technology degree with Honours. The Honours degree is an academic distinction earned by the students concurrently with the undergraduate engineering programme they are pursuing. The academic distinction "Honours" is shown in brackets alongside the engineering degree awarded to the student.

UG HONOURS 1.0 Eligibility Criteria for Registration

Students intending to register for the Honours qualification shall fulfil the following academic requirements:

i. Registration for the Honours qualification shall be permitted from the fifth semester onwards.
ii. The applicant shall have secured a grade ≥ B in all the courses, up to the end of the fourth semester under the Scheme of Teaching and Examinations – 2025, in the first attempt only.
iii. Lateral entry diploma registrants / B.Sc. registrants (who are not exempted from studying non-credit mandatory courses Mathematics) shall have secured PP (Pass) status in the non-credit mandatory Mathematics courses prescribed in the 3rd and 4th semesters, in the first attempt only.
iv. The applicants shall have obtained a semester-wise CGPA ≥ 7.50 by the end of fourth semester.

UG HONOURS 2.0 Registration Procedure for Honours Degree

i. Any student who meets the eligibility criteria specified in Clause UG HONRS 1.0 and intends to register for the Honours degree qualification shall submit an application to the University through the Principal/Chairperson/Programme Coordinator, in the prescribed format, along with the prescribed application fees within fifteen (15) working days from the date of notification issued by the University.
ii. There shall be no upper limit on the number of students registering for the Honours
iii. qualification. All applicants who fulfil the prescribed eligibility criteria shall be permitted to register.

iv. The Registrar shall notify the registration status of the applicants within fifteen (15) working days from the last date of receipt of applications. The notification shall be published on the University's website, and copies thereof shall be communicated to the concerned colleges.

v. Upon approval of registration, the student shall remit a one-time, non-refundable registration fee, as prescribed and notified by the University from time to time, to confirm enrolment under Honours qualification.

UG HONOURS 3.0 Additional Coursework to be Completed

a. A student registered for the Honours qualification shall complete online courses offered through approved platforms such as NPTEL, SWAYAM, or the University's online platform, as notified by Visvesvaraya Technological University.

   The student shall successfully earn certification in the respective course, irrespective of the number of attempts, with a final score corresponding to one of the following certification categories:

   Elite + Silver (76 to 89 %) or Elite + Gold (≥ 90 %)

   These courses shall be completed within the minimum prescribed duration of the programme, namely, 4 years for regular students and 3 years for lateral entry students, to be eligible for the award of the B.E./B.Tech. degree with Honours.

   Out of the 100 marks assigned for each online course, 25 % shall be allotted for online assignments and 75 % for the proctored examination. The aggregate of these two components shall determine the final certification category, namely, Elite + Silver, or Elite + Gold.

b. VTU Online shall offer NPTEL/SWAYAM courses to registered Honours candidates strictly in accordance with the evaluation methodology adopted by the NPTEL/SWAYAM platforms, including continuous assessment (for 25 marks) through assignments and performance in proctored examinations (for 75 marks). The proctored examinations shall be conducted at university declared examination centres, for all Students of all colleges under VTU, irrespective of Autonomous or Non-Autonomous.

c. A student may drop a registered online course and opt for an alternative approved course under any of the following circumstances:

   i. Emerging technology course is recently added to the platform,

ii. the student is unable to appear for proctored examination,

iii. the examination schedule conflicts with the VTU academic calendar, or

iv. the selected course is not hosted or discontinued by the concerned platform.

d. The University shall notify a Board of Studies (BOS)-approved list of MOOCs (selected from NPTEL/SWAYAM/VTU Online) corresponding to each engineering programme. The University reserves the right to review, revise and approve additional online platform courses from time to time.

e. Students shall select and complete online courses totalling to eighteen (18) or more credits from the approved list.

f. In consultation with the mentor/faculty advisor/proctor, students shall ensure that the selected online courses do not substantially overlap (or similar) in content or syllabus with any of the core courses, professional electives, open electives, or any courses prescribed under the VTU Scheme of Teaching and Examinations (including first to fourth semester courses or future semester courses)

g. Any violation of this condition shall render the credits earned in such overlapping courses ineligible for consideration towards the Honours qualification.

h. Credits shall be earned only through in-person appearance in the online invigilated proctored examinations conducted by the NPTEL/VTU Online platforms.

No Department of Studies, University Regional Centre, constituent college, autonomous or non-autonomous college under the University shall conduct examinations or independently award credits in lieu of these platforms for the purpose of Honours credit accumulation.

i. The method of assessment shall be strictly in accordance with the norms prescribed by the respective online platform NPTEL/SWAYAM/ VTU online, and the University shall not alter such assessment methodology.

j. Credit equivalence for approved online NPTEL courses shall be as specified in Table-HONRS-3.1.1.

Table -HONOURS-3.1.1 Assigned credits	
Online course duration	**Assigned credits**
04 weeks	02
08 weeks	03
12 weeks	04

UG HONOURS 4.0 Conditions and Procedure for Conferment of Honours Degree

a. Students who successfully complete the online courses as prescribed under UG HONRS 3.0 and submit the required certificates to the University through the Principal of their respective colleges and Chairperson/Programme Coordinator, in response to the notification issued by the Registrar (Evaluation) and within the stipulated time prior to the closure of eighth semester as per the academic calendar, shall be eligible for the award of the Honours qualification, provided on declaration of 8th semester results:

1. The student has obtained a grade ≥ B in all the courses of the programme in the first attempt only, and
2. The students obtained a CGPA ≥ 7.50, calculated on a semester wise basis, from the first to the Eighth Semesters in the case of regular students, and from the third semester to the eight semesters in the case of lateral entry students.

b. Students who do not satisfy any of the above requirements shall not be eligible for the award of Honours degree.

c. The Principals of the respective colleges / Chairperson/Programme Coordinator shall submit to the University, from time to time, the list of such students who fail to satisfy the prescribed of Honours requirements.

d. The Registrar shall notify, the list of deregistered students for the Honours qualification, from time to time.

e. The Principals of the colleges under VTU/ Chairperson/Programme Coordinator shall submit to the University the list of students eligible for the award of an Honours degree along with:

1. Details of the total additional credits earned toward the Honours qualification, supported by valid certificates issued through SWAYAM, NPTEL, or VTU Online platforms, student-wise and programme-wise, together with the CIE marks of the Eighth Semester, and
2. A certificate stating that the students have successfully completed all the prescribed courses of the programme, securing a grade ≥ B in the first attempt only, and obtained a CGPA ≥ 7.50 on a semester wise basis from 5^{th} to 8^{th} semesters.

   The list shall be validated by the Faculty Advisor of the students concerned and endorsed by the Head/Chairperson of the Department.

g. Students who fail to submit the required certificates on or before the last date prescribed by the University shall not be considered for the award of the Honours qualification, irrespective of the number of additional credits earned.

   Such students shall be awarded only the B.E./B.Tech. Degree and shall remain eligible for rank declaration, subject to existing Regulations.

h. All students fulfilling the prescribed requirements for the Honours qualification shall be entitled to receive transcripts indicating the successful completion of both the B.E./B.Tech. degree and the Honours qualification.

i. The Honours qualification shall be suffixed to the respective degree title and reflected in the Degree Certificate as recognition of the higher academic achievement of the student concerned.

j. The CGPA of the students shall be computed solely on the basis of their performance in the semester-level examinations conducted by the University/ Autonomous colleges, as applicable.

k. The additional credits earned through the SWAYAM/ NPTEL/VTU online platforms shall not be considered for CGPA computation or for rank declaration in the B.E. / B.Tech. programme.

l. The award of the Honours qualification shall be recommended by the Academic Senate and approved by the Executive Council of the University.

UG HONOURS 5.0 Award of B.E./B.Tech. Degree with Honours

A student shall be declared eligible for the award of the B.E./B.Tech. Degree with Honours, provided that the student has been declared eligible for the award of the B.E./B.Tech. degree by:

a. Successfully completing the stipulated coursework of all semesters under the Scheme of Teaching and Examinations – 2025, and earning the prescribed minimum number of credits (160 credits for regular entry / 120 credits for lateral entry), as specified in Clause 25OB 3.3
b. within the permitted minimum duration (4 year/3 year) of the programme (25OB 5.2), and
c. Earning an additional 18 or more credits through proctored examinations (online invigilated examinations) by successfully completing University-approved online courses.

UG HONOURS 6.0 Repeal and Savings

Notwithstanding anything contained in these Regulations, the provisions of any guidelines, orders, rules, or Regulations in force at the University shall be inapplicable to the extent of their inconsistency with these Regulations.

The University shall issue such orders/instructions, and prescribe such formats/procedures, as it may deem fit to implement the provisions of these Regulations.

UG HONOURS 6.1 Interpretation

Any question relating to the interpretation of these Regulations shall be decided by the Vice-Chancellor, whose decision shall be final and binding.

The University shall have the powers to issue clarifications to remove any doubt, difficulty or anomaly which may arise during the implementation of the provisions of these Regulations.

ANNEXURE-3

POLICY DOCUMENT FOR REGISTRATION AND CREDIT TRANSFER OF MOOC COURSES

Objectives:

The policy evaluation aims to provide a structured framework for registration, approval, and credit transfer of Massive Open Online Courses (MOOCs) undertaken by UG/PG students of the College, in accordance with university guidelines for Autonomous Colleges. This policy is applicable to all Undergraduate and Postgraduate students admitted under the autonomous scheme for the batch of students admitted from the academic year 2026 onwards.

General Procedures:

1. Students shall be permitted to register only for MOOCs offered by platforms recognized by UGC/AICTE/VTU:
   - SWAYAM
   - NPTEL
2. All the courses offered on MOOC platform shall be vetted through the respective BOS before publishing to the students.
3. Students may register for courses identified under PEC IV and PEC V of the 8th semester anytime from the 5th semester up to the 8th semester, subject to approval by the BoS. The corresponding SWAYAM/NPTEL grade card must be submitted on or before the last working day of the 8th semester. The same provision may be applicable for PG courses wherever permitted as per the guidelines of the University/Institution.
4. The HODs and the concerned MOOC coordinator shall guide the students while selecting approved MOOC courses by the DAB and BOS.
5. The credit equivalence and course mapping shall be finalized by the BOS and approved by the Academic Council.
6. In any given semester, a student must register for a minimum of 16 credits and a maximum of 28 credits.
7. The duration of the MOOC shall be as follows:
   - Two Credit MOOC course with a minimum of 4 weeks coursework.

- Three Credit MOOC course with a minimum of 8 weeks coursework.
- Four Credit MOOC course with a minimum of 12 weeks coursework.

8. The student must complete the MOOC and obtain a pass grade as prescribed by the MOOC platform. Further, the college-level assessment pattern for evaluation of the MOOC course shall be as follows:

   Total Marks – Assignment + End exam of NPTEL – 100% converted to actual grading.

9. If student fails in a MOOC course, the student need to re-register for the same course on a same MOOC platform. In case, if student fails to complete the MOOC course by scheduled date, the student may register for an online course offered by the institution during next summer semester.
10. The MOOC must include Proctored final examination.
11. Only MOOCs with NPTEL/SWAYAM verifiable certificates shall be considered for credit transfer.
12. Credits shall not be awarded for incomplete or failed MOOCs.
13. The student shall ensure timely registration and completion of the course.

Guidelines for students to register for MOOC:

a. The list of MOOC course identified by the departments consists of Course Title, Name of the Course Instructor, Name of the University/College and link for the MOOC course; the list will be made available on College website under the program.

b. Students shall register (only the courses identified by various departments with prior approval from DAB and BOS) for the courses exclusively through the NPTEL/SWAYAM platform.

c. The students shall seek guidance from the Proctor before selecting the MOOC course.

d. It is the responsibility of the student to ensure that he/she does not select a MOOC course, if he/she has already studied a course with similar content with similar/different course code/title in the lower semesters or in the upcoming semesters.

The above said policies shall be reviewed periodically and may be amended based on VTU statutes and circulars, UGC / AICTE guidelines and recommendations of BOS and Academic Council.

ANNEXURE-4

MINOR DEGREE REGULATIONS

In the present era of globalization, digital transformation, and technology convergence, there is an increasing demand for:

a. Skilled and industry-ready graduates who are employable immediately after graduation, and

b. Graduates with multidisciplinary knowledge, particularly in emerging areas, who possess the capacity to adapt to diverse industrial requirements and manage technical projects across domains.

A Minor degree, pursued alongside the B.E./B.Tech. programme, enables diversification and enhancement of students' skill sets, thereby addressing contemporary industry demands.

A Minor degree in engineering and technology is an academic credential earned in addition to the B.E./B.Tech. degree programme by completing a prescribed set of additional courses in a discipline other than the student's primary branch of study.

Minor degree programmes are structured with the following features:

i. 18 to 20 credits

ii. Courses drawn from another engineering discipline or allied domain, and

iii. Completion within the normal duration of the undergraduate programme.

The growing relevance of minor degrees is driven by technological convergence, interdisciplinary engineering practice, and industry expectations. In practice, modern engineering problems rarely belong to a single discipline. Typical examples include:

- Electric Vehicles → Electrical + Electronics + Mechanical + Control + Software
- Smart Grids → Electrical + Communication + Data Analytics
- Robotics → Mechanical + Electrical + Electronics + AI

A minor degree enables students to bridge disciplinary boundaries and function effectively in multidisciplinary teams.

Minor degree programmes emphasize the fundamental principles of multiple Engineering disciplines, critical and analytical thinking, and the ability to develop innovative and integrated solutions to interdisciplinary problems.

The key objectives of offering B.E./B.Tech. programme with a Minor degree:

1. To enable students to pursue an allied academic interest in contemporary and emerging areas.
2. To expand the domain knowledge of the students in an additional branch of engineering.
3. To provide an academic framework for meeting the multidisciplinary requirements of industry.
4. To enhance employability by equipping students for interdisciplinary roles in engineering and technology.
5. To offer exposure to emerging technologies and thrust areas of Engineering.
6. To provide opportunities for students to develop entrepreneurial and leadership skills, including through business or management-oriented minors.
7. To facilitate higher studies in interdisciplinary fields, and
8. To broaden the overall scope and value of undergraduate B.E./B.Tech. degrees.

UGMNOR 1.0 Norms for the Minor Programme

i. Any student enrolled in 3rd semester of the B.E./B.Tech. programme may opt for only one minor degree program in addition to the B.E./B.Tech. program.

ii. The Minor degree shall be awarded only if the Minor degree registrant completes both Minor degree and the B.E./B.Tech. programme within the prescribed maximum period of the programme.

iii. For the award of Minor degree, the registrant shall earn an additional 18 credits, over and above the credits prescribed for B.E./B.Tech. degree, from the recommended list of courses, offered through offline/online/ blended modes.

iv. Students shall be declared to have passed in online NPTEL/SWAYAM course only upon satisfying the attendance requirement and securing a minimum of 40 marks out of 100 in aggregate, subject to obtaining not less than 10 out of 25 marks in the assignment component and 30 out of 75 marks in the final NPTEL/SWAYAM proctored examination. In case of VTU-prescribed offline courses, students shall be declared to have passed the course only upon satisfying the attendance requirement and securing not less than 20 out of 50 marks in the CIE component and 35 out of 100 marks (or 18 out of 50 marks, as applicable) in the SEE, subject

to the condition that the sum of the minimum CIE and minimum SEE marks is at least 40 out of 100 marks.

v. The registrants may start attending the Minor degree courses from 4th semester onwards and shall complete all such courses before 8th semester or at least before the commencement of 8th semester examinations.

vi. The Minor degree registrants shall, in consultation with the mentor, select an appropriate number Minor degree courses for study and examination in each semester, ensuring that the selection does not result in undue academic burden.

vii. The Minor degree shall not be awarded to registrants who earn the required 18 credits on or before the end of 8th semester, till they complete the B.E./B.Tech. programme, subject to maximum period of the programme.

viii. Minor degree shall be awarded, only if the CGPA of the registrant, after declaration of the 8th semester results, is ≥ 5.0, applicable to both regular and lateral entry students.

ix. Vertical progression rules applicable to the B.E./B.Tech. programme shall also apply to students registered for Minor degree.

x. Minor degree registrants have the option to exit from the Minor degree programme at any time between 4th to 8th semesters.

xi. In the event that a student exits from the minor degree programme or fails to complete it, no transcript or certificate shall be issued in respect of the credits earned under the Minor degree.

xii. The credits earned towards the Minor degree shall not be considered for the computation of SGPA/CGPA or for rank declaration in the B.E./B.Tech. programme.

xiii. The Minor degree and Honours degree are two different entities; hence, no switch- over between the Minor degree to Honours degree shall be permitted at any stage.

UGMNOR 2.0 Registration to Minor Degree Programme

i. No student shall be permitted to register simultaneously for both the honours degree and minor degree programme.

ii. Registration to the Minor degree programme shall commence at the beginning of 3rd semester and shall close before the commencement of the of 3rd semester end examination of the B.E./B.Tech. programme.

iii. Students, intending to register for a Minor degree shall do so in consultation with their faculty mentor. The list of students opting for the Minor degree, duly approved by the Head of the Department and Principal/Chairperson/Programme Coordinator shall be forwarded to the Registrar, VTU for approval.

iv. students registering for a minor degree programme shall pay a one-time, non- refundable registration fee, as prescribed by the University to confirm the registration.

v. The Registrar shall notify the registration status, or otherwise, of the applicants before the commencement of the 4th semester, through the University website, with copies communicated to the concerned colleges.

UGMNOR 3.0 Award of Minor Degree

a. Students who successfully completed the online/ offline/blended courses prescribed for Minor degree before the commencement of eighth semester examinations, shall be eligible for the award of the Minor degree, provided they also complete the B.E./B.Tech. programme after the results of all the semesters are declared.

b. Students who do not satisfy any of the above requirements shall not be eligible for the award of a Minor degree.

c. The Principals of the respective colleges / Chairperson/Programme Coordinator shall submit to the University, from time to time, the list of students who have exited or deregistered from the Minor degree programme.

d. The Registrar shall notify the list of deregistered students from time to time.

e. The Principals of the colleges under VTU/ Chairperson/Programme Coordinator shall submit to the University the list of students who are eligible for the award of a Minor degree along with:

- Details of the total credits earned by the students towards the Minor degree, supported by relevant certificates, student wise and program wise, along with the CIE marks of 8th semester, and
- a certificate stating that the students have successfully completed the prescribed courses of the Minor degree programme earning 18 or more credits.
- The list shall be validated by the Faculty Advisor of the students concerned and endorsed by the Head/Chairperson of the Department.

f. Students who do not submit the required certificates on or before the last date prescribed by the University shall not be considered for the award of the Minor degree, irrespective of the number of additional credits earned by them. However, such students shall be awarded only B.E./B.Tech. Degree and shall be considered for rank declaration provided they satisfy the requirements prescribed for the same.

g. Along with the B.E./B.Tech. degree, a separate Minor Degree Certificate shall be issued, wherein the Minor Degree specialisation is suffixed to the respective degree title as recognition of the additional academic achievement of the student concerned.

h. The award of the Minor qualification shall be recommended by the Academic Senate and approved by the Executive Council of the University.

UGMNOR 4.0 Repeal and Savings

Notwithstanding anything contained in these Regulations, the provisions of any guidelines, orders, rules, or Regulations in force at the University shall be inapplicable to the extent of their inconsistency with these Regulations.

The University shall issue such orders/instructions, and prescribe such formats/procedures, as it may deem fit to implement the provisions of these Regulations.

UGMNOR 5.0 Interpretation

Any question relating to the interpretation of these Regulations shall be decided by the Vice-Chancellor, whose decision shall be final and binding.

The University shall have the powers to issue clarifications to remove any doubt, difficulty or anomaly which may arise during the implementation of the provisions of these Regulations.

ANNEXURE-5

Academic Bank of Credits

Key Details and Actionable Steps:

- **What is it:** A digital depository similar to a bank account, where academic credits earned by a student from VTU are digitally stored.
- **Who is it for:** All affiliated, constituent, and autonomous college students under VTU.
- **Action Required:**
  - Go to the DigiLocker Platform to create or log into your account.
  - Complete your KYC and link your Aadhaar card.
  - Navigate to the "Education" or "Search Documents" tab, find ABC (Academic Bank of Credits), and generate your 12-digit ABC ID.
  - Submit your generated ABC ID to your respective college administration or update it in the VTU student portal as instructed by your college.

Why ABC Matters for VTU Students:

- Multiple Entry & Exit: Seamlessly drop in or out of programs and transfer credits to other universities.
- Credit Portability: Makes credit transfers between institutions flawlessly verifiable.
- Unified Records: All your semester grade cards and degree certificates are securely mapped to your account through the National Academic Depository.

Note: The exact submission deadlines and portal link variations are typically circulated via college circulars. Check the VTU Circulars page frequently for specific institutional submission dates.