



ವಿಶ್ವೇಶ್ವರಯ್ಯತಾಂತ್ರಿಕವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿಷಯ ಅಧಿನಿಯಮ ೧೯೯೪ರ ಅಡಿಯಲ್ಲಿ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ

VISVESVARAYA TECHNOLOGICAL UNIVERSITY

State University of Government of Karnataka Established as per the VTU Act, 1994 "JnanaSangama" Belagavi-590018, Karnataka, India

Prof. B. E. Rangaswamy, Ph.D
REGISTRAR

Phone: (0831) 2498100
Fax: (0831) 2405467

REF: VTU/MYS/CDOE/2024-25/114

DATE: 31.07.2024

: NOTIFICATION:

Sub: Regulations Governing the award of BBA, BCA, MBA, MCA and PG Diploma Programmes (2023 scheme) - reg

Ref: 1. Proceedings of Joint Board of Studies Meeting No. 01 (a) dated: 21-06-2024
2. EC Meeting Proceedings No. 2.2.1 dated: 17-07-2024

In accordance with the aforementioned Proceedings of Joint BOS Meeting, the Regulations governing the BBA, BCA, MBA and MCA Online Degree Programmes regulations from the academic year 2023-24 was approved vide Ref. No. 01 and subsequent approval by the Executive Council Meeting vide Ref. No. 02 for the regulations governing the award of online degrees in Bachelor of Business Administration, Bachelor of Computer Applications, Master of Business Administration, Master of Computer Applications Online Degree Programmes under the outcome-based education and choice-based credit system are hereby notified.

These regulations apply to the students admitted to the first semester (first year) of the BCA, MBA and MCA Online Degree Programmes from the academic year 2023-24 and onwards.

Sd/-
Registrar

To,

The Director, VTU, Centre for Distance and Online Education, Mysuru

Copy to:

1. The Hon'ble Vice Chancellor through his Secretary, VTU, Belagavi - for kind information.
2. The Registrar (Evaluation), Examination Section, VTU, Belagavi - for kind information.
3. The Finance Officer, VTU, Belagavi - for kind information and needful.
4. The I/c. Regional Director, VTU's Regional Office, Belagavi, Bengaluru, Kalaburagi and Mysuru - for kind information and necessary action.
5. The Director (I/c) ITI SMU VTU Belagavi for information and make arrangements to upload it on the VTU web portal.
6. Office copy

REGISTRAR

Sd/-
Registrar

Visvesvaraya Technological University, Belagavi



VTU (AWARD OF BACHELOR OF COMPUTER APPLICATIONS DEGREE) REGULATIONS, 2023

[Under Open Learning Scheme]

Effective from the Academic Year 2023-24

Jnana Sangama, Belagavi - 590 018, Karnataka
Phone: 0831 -2498100/2405468, Fax: 0831-2405467
E - Mail: registrar@vtu.ac.in, Web: www.vtu.ac.in

01.12.2023



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VTU (AWARD OF BACHELOR OF COMPUTER APPLICATIONS DEGREE), 2023. [Under Open Learning Scheme]	
	<u>REGULATIONS</u>
	PREAMBLE: <p>The quality of Technical Education depends on many factors but largely on outcome based socially and industrially relevant curriculum, superior quality motivated faculty, teaching learning process, effective industry internship and evaluation of students based on desired outcomes. To regulate, in an orderly manner, the process of admission, registration of students, conduct of classes, teaching - learning, Assessment, Evaluation and Grading processes to award Bachelor of Computer Applications degree in Visvesvaraya Technological University, Belagavi, with due consideration to the NEP-2020 policy, and applicable Regulations of UGC and AICTE, in exercise of the powers conferred under Section 22 of UGC Act 1956 and under Sections [7(2) and 8(1,2, & 4)] of the VTU Act 1994, the University hereby makes the following Regulations, namely:-</p>
23OBC 1.0	SHORT TITLE, APPLICATION AND COMMENCEMENT
	1.1 These Regulations may be called the Visvesvaraya Technological University (Award of Bachelor of Computer Applications Degree) Regulations, 2023.
	1.2 These Regulations shall apply to all the BCA Degree Programmes conducted in online mode at the University.
	1.3 They shall come into force with effect from the date of their notification by the Visvesvaraya Technological University, Belagavi.
	1.4 These Regulations shall be applicable to the batch of students admitted to the online BCA Degree Programmes of the University starting from the academic session 2023-24, which shall be in force until revised or withdrawn by a notification.
23OBC 2.0	DEFINITION OF KEYWORDS
	In these Regulations, unless the context otherwise requires:
	2.1 Academic Bank of Credits (ABC): The Academic Bank of Credits (ABC), is a National- level facility that will promote the flexibility of the curriculum framework and interdisciplinary/ multidisciplinary academic mobility of students across the Higher Educational Institutions in the country with an appropriate "credit transfer" mechanism.



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2.2	Academic Year: Two consecutive semesters including intervening periods constitute one academic year.
2.3	Academic Session: means duration of twelve months beginning either in January/ February or in the month of July/ August, as the case may be, of every calendar year.
2.4	AICTE: means the All India Council for Technical Education, established under Section 3 of the AICTE Act, 1987, is a statutory body, and a National-level council for technical education, under the Department of Higher Education.
2.5	Audit Courses: This Means Knowledge/ Skill enhancing courses without the benefit of a grade or credit for a Course.
2.6	Branch: The specialization area of the Programme of study, like Data Science or Data Analytics
2.7	Choice-Based Credit System (CBCS): The education model refers to customizing the Coursework by Core courses, Professional electives, Open electives, Skill-based ability enhancement courses, Non-Credit mandatory courses, Project and Internships to provide the necessary support for the students to achieve their goals. Under the CBCS, the requirement for awarding a degree is prescribed in terms of number of credits to be earned by the students.
2.8	CIQA: “Centre for Internal Quality Assurance” (CIQA) means a Centre established by the University for ensuring the quality of Programmes being offered in Online mode.
2.9	Commission: Refers to the University Grants Commission (UGC), New Delhi
2.10	Continuous Internal Evaluation (CIE): (also known as Formative
2.11	Conventional mode: means a mode of providing learning opportunities through face to face interaction between the teacher and learner in regular class room environment but does not exclude supplementary instructions if any for the learner through use of online



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2.12	<p>Course: Usually referred to as 'subject' / 'paper' and is a component of a Programme with defined learning objectives, course outcomes and number of credits. The course credits vary depending on the required teaching-learning hours to accomplish the learning outcomes, specified in the course syllabus. A course may be designed to comprise lectures/ tutorials/ laboratory work/ fieldwork/ outreach activities/ project work/ vocational training/ Viva-Voce/ seminars/ term papers/ assignments/ presentations/ self-study components etc., or a combination of some of these.</p>
2.13	<p>Course Code: An alpha numeric code used to uniquely identify a course in the Programmes offered in the University. Three-digit number used as suffix with the Course Code for identifying the level of the course in the University. Digit at hundred's place signifies the semester in which course is offered and the tens place signifies type of course with unit place representing the sequence number in a semester in the Scheme of Teaching and Evaluation.</p>
2.14	<p>Course Evaluation: This represents the measurement of the impact of the teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Course evaluation is done by adopting different methods such as tests, quizzes, assignments, etc., during the teaching-learning period at the end of some modules or chapters of syllabus contents and at the end of the semester. That is, the Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each course.</p>
2.15	<p>Course Registration: It is a formal registration to Courses of study every semester by every student under the supervision of a Mentor (also called Faculty Advisor/ Counselor) to maintain proper records. Registration to the courses of choice is mandatory on the University portal for all the students.</p>
2.16	<p>Credit: Refers to a unit or weightage by which the coursework is measured. It represents the number of hours of instructions prescribed per week. One credit is equivalent to one hour of lecture or two hours of laboratory/ practical/ tutorials/ self-study/ fieldwork etc., per week.</p>



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		Explanation.- For the purpose of this clause, a study effort for one credit shall mean time required by a learner to understand the contents equivalent to 15 hours of classroom teaching or 30 hours including self-learning time required to acquire the prescribed level of learning in respect of that unit.																																								
	2.17	Credit- Based System (CBS): Refers to quantification of the course work, after a student completes teaching-learning process, followed by passing in both CIE and SEE.																																								
	2.18	Credit Point: This is the product of grade point (GP) and number of credits for a course i.e., Credit Points (CrP) = GP x Credits for the course.																																								
	2.19	Credit Representation: Refers to Credit Values for different academic activities considered, as per Table - 1. Credits for a seminar, project phases, project viva- voce, and internship shall be as specified in the Scheme of Teaching and Evaluation.																																								
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">Table - 1: Credit Values</th> </tr> <tr> <th>Theory/Lectures (L)(hours/week/Semester)</th> <th>Tutorials (T) (hrs/week/Sem)</th> <th>Laboratory/Practical (P) (hrs/week/Sem)</th> <th>Credits (L:T:P)</th> <th>Total Credits</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">4:0:0</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">3:0:0</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2:1:0</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2:0:1</td> <td style="text-align: center;">3</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2:1:1</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2</td> <td style="text-align: center;">0:0:1</td> <td style="text-align: center;">1</td> </tr> </tbody> </table>	Table - 1: Credit Values					Theory/Lectures (L)(hours/week/Semester)	Tutorials (T) (hrs/week/Sem)	Laboratory/Practical (P) (hrs/week/Sem)	Credits (L:T:P)	Total Credits	4	0	0	4:0:0	4	3	0	0	3:0:0	3	2	2	0	2:1:0	3	2	0	2	2:0:1	3	2	2	2	2:1:1	4	0	0	2	0:0:1	1
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0	0	2	0:0:1	1																																						
	2.20	Cumulative Grade Point Average (CGPA): This is a measure of the cumulative performance of a student of all semesters and is computed from the 2 nd semester onwards. It is also a measure of the overall cumulative academic performance of a student over the entire span of the academic Programme. The CGPA is the ratio of total credit points earned by a student in various courses in all semesters and the sum of the total credits of all courses registered in the semesters. It is expressed up to two decimal places. It is also a number that lies between 0 and 10.																																								
	2.21	Dual Mode University: means the University offering programmes under conventional mode and also under Online mode.																																								



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	2.22	e-Learning Material: means and includes contents in the form of structured course material, as a part of one or more courses in the Online Programme, in digital format delivered through Learning Management System, which is inter alia self-explanatory, self-contained, self-directed at the learner, and amenable to self-evaluation, and enables the learner to acquire the prescribed level of learning in a course of study, but does not include text-books or guide-books, as defined in these Regulations.
	2.23	Examination Centre: means a place where examinations are conducted, inter alia, for assessment of the learners pursuing programmes under Online mode and is having the requisite infrastructure relevant to respective mode of education including adequate manpower for smooth conduct of examinations and adhering to such minimum standards as specified under relevant Regulations.
	2.24	First Attempt: A student who has completed all the formalities in a semester, has become eligible to attend the SEE and has attended at least one head of passing, such an attempt shall be considered the first attempt. Even if the student is absent for all the semester exams after registering for SEE, such an attempt shall also be considered the first attempt.
	2.25	Grading: Grade refers to the qualitative measure of achievement of a student in each course, based on the percentage of marks secured in CIE and SEE put together. Award of Grade is done using Absolute Grading method.
	2.26	Grade Card: Refers to the certificate showing the grades earned by a student. A grade card shall be issued to all the registered students after every Semester End Examination. The grade card shall have the Programme details (Course code, title, number of credits, grades secured) along with the SGPA of that semester and CGPA (except for the first semester) earned till that semester.
	2.27	Grade Point (GP): Refers to a numerical weightage allotted to each letter grade on a 10-point scale against a range of percentage of marks secured by students in a course.



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2.28	<p>Learner Support Services: means and includes such services as are provided by the University in order to facilitate the acquisition of teaching-learning experiences by the learner to the level prescribed by Commission/AICTE in respect of a programme of study under Online mode through the Learning Management System platform of the University.</p>																																								
2.29	<p>Letter Grade: (or simply grade) is an index of performance of a student in a said course and refers to a qualitative measure of achievement of a student in each course, based on the percentage range of marks secured in CIE and SEE put together or CIE alone. Grades are denoted by letters O, A+, A, B+, B, C and F. The rubrics attached to letter grades are as follows: O: Outstanding, A+: Excellent, A: Very Good, B+:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="8" style="text-align: center;">Table- 2: Letter Grade and corresponding Grade Points on a typical 10-Point scale</th> </tr> <tr> <th style="text-align: left;">Letter Grade</th> <th style="text-align: center;">O</th> <th style="text-align: center;">A+</th> <th style="text-align: center;">A</th> <th style="text-align: center;">B+</th> <th style="text-align: center;">B</th> <th style="text-align: center;">C</th> <th style="text-align: center;">F</th> </tr> </thead> <tbody> <tr> <td></td> <td style="text-align: center;">Outstandi ng</td> <td style="text-align: center;">Excelle nt</td> <td style="text-align: center;">Very Goo d</td> <td style="text-align: center;">Goo d</td> <td style="text-align: center;">Averag e</td> <td style="text-align: center;">Pass</td> <td style="text-align: center;">Fail</td> </tr> <tr> <td style="text-align: left;">Grade Point</td> <td style="text-align: center;">10</td> <td style="text-align: center;">9</td> <td style="text-align: center;">8</td> <td style="text-align: center;">7</td> <td style="text-align: center;">6</td> <td style="text-align: center;">5</td> <td style="text-align: center;">0</td> </tr> <tr> <td style="text-align: left;">% of Marks secured</td> <td style="text-align: center;">90-100</td> <td style="text-align: center;">80-89</td> <td style="text-align: center;">70- 79</td> <td style="text-align: center;">60- 69</td> <td style="text-align: center;">55-59</td> <td style="text-align: center;">50- 54</td> <td style="text-align: center;">0-49</td> </tr> </tbody> </table> <p>Good, B: Average, C: Pass and F: Fail. Additional letter grades used under special circumstances are, DX: Attendance below 75%, AU: Satisfactory in an Audit course, AB: Absent for the course, PP: Passed in Non-credit course, NP: Not Passed in Non-credit course, W: Dropped/ withdrawn.</p>	Table- 2: Letter Grade and corresponding Grade Points on a typical 10-Point scale								Letter Grade	O	A+	A	B+	B	C	F		Outstandi ng	Excelle nt	Very Goo d	Goo d	Averag e	Pass	Fail	Grade Point	10	9	8	7	6	5	0	% of Marks secured	90-100	80-89	70- 79	60- 69	55-59	50- 54	0-49
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2.30	<p>Mentor: A Faculty Advisor allotted by the University to guide up to about 250 students about their registration to the courses and progression in the Programme.</p>																																								
2.31	<p>Multi Mode University: means the University offering programmes under conventional mode and also under Open and Distance Learning mode and/or Online mode.</p>																																								
2.32	<p>Notification: A notification issued by the concerned Statutory Officer of the University.</p>																																								




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2.33	Online Mode: means a mode of providing flexible learning opportunities by overcoming separation of teacher and learner using internet, e-Learning Materials and full-fledged programme delivery through the internet using technology assisted mechanism and resources.
2.34	Passing Standards: Refers to passing a course only on obtaining the GP greater than or equal to 05.
2.35	Proctored Examination: The examination conducted under the supervision of approved person or technology enabled proctoring which ensures the identity of the test taker and the integrity of the test taking environment, either in pen-paper mode or in computer based testing mode or in full fledged Online mode; as permissible in Online mode under these Regulations.
2.36	Programme: An educational Programme in a particular stream/ branch of specialization which involves a planned series of events/activities for the specified courses, comprising of lectures/ tutorials/ laboratory work/ field work, outreach activities/ project work/ viva/ vocational training/ seminar/ Internships/ assignments/ presentations/ self-study etc., or a combination of some of these leading to the award of degree.
2.37	Self-Learning e-Module: For Online learning mode, means a modular unit of course material in e-learning form which is inter alia self-explanatory, self-contained, self-directed at the learner, and amenable to self-evaluation, and enables the learner to acquire the prescribed level of learning in a course of study and includes contents in the form of a combination of the following e-Learning content, namely:- <ul style="list-style-type: none">a) e-Text Materials;b) Video Lectures;c) Audio-Visual interactive material;d) Virtual Classroom sessions;e) Audio Pod casts;f) Virtual Simulation; andg) Self-Assessment Quizzes or Tests.



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2.38	Semester: Refers to one of the two sessions of an Academic Year, each session being of sixteen weeks duration (with not less than 90 working days). The odd and even semesters shall be as per the University academic calendar.
2.39	Semester End Examinations (SEE) (also called Summative Assessment): Refers to the examinations conducted by the University covering the entire course syllabus. For this purpose, syllabi shall be modularized, and SEE questions shall be set from each module as specified by the University.
2.40	Semester Grade Point Average (SGPA): It is a measure of academic performance of a student in a semester. It is the ratio of total credit points secured by a student in various courses of a semester and the total course credits registered during that semester. It results in a number that lies between 0 and 10. It shall be expressed up to two decimal places.
2.41	SWAYAM: (Study Webs of Active Learning for Young Aspiring Mind) means the Learning Management System as specified in the UGC (Credit Framework for online learning courses through SWAYAM) Regulations, 2016.
2.42	Transcript, Grade Certificate and Grade card: Grade card shall be issued to candidates indicating the Programme details (course code, title, number of credits, grade secured and grade points) for all the registered courses after every semester. On successful completion of all courses/earning credits, specified in a semester, the grade certificate is issued indicating the Programme details along with SGPA of that semester and CGPA earned till that semester. Transcripts to the successful candidates shall be issued after completion of the Programme.
2.43	University: Visvesvaraya Technological University (VTU), Belagavi, established under the Karnataka State Act as defined in the University Grants Commission Act, 1956.
	



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VTU (AWARD OF BACHELOR OF COMPUTER APPLICATIONS DEGREE) REGULATIONS, 2023 [Under Open learning Scheme] <u>REGULATIONS</u>	
23OBC 3.0	TITLE AND DURATION OF THE PROGRAMME OF STUDY
3.1	Title: The Programme of study, which is a Under -graduate Programme, shall be called the degree of Bachelor of Computer Applications (Subject of Specialization), abbreviated as BCA , followed by specialization indicated within brackets
3.2	Duration: The duration of the on-line Programme for BCA degree shall be over a period of three academic years, organized as six semesters, and each semester shall be of 16 weeks (about three and a half months) in duration.
3.3	The University, which is a multi-modal University, shall ensure that the quality of Programmes of study offered through Online mode are maintained at par with standards as defined for the conventional mode of teaching, in conformity with the provisions as stipulated by the Statutory bodies.
3.4	The annual Academic Calendar of events in respect of the Programme of study approved by the Academic Council, shall be notified at least a month before the commencement of each academic year. The Academic Calendar shall specify the period of the admission process along with the academic session, last dates for course registration, course dropping, the dates of continuous and end semester examinations etc. It is mandatory for the students, faculty members and others concerned to strictly adhere to the Academic Calendar for timely completion of academic activities. The Academic Calendar shall be displayed on the Academic Office homepage of the University website.



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23OBC 4.0	ADMISSION PROCESS	
4.1		The University shall admit learners to its recognised Programmes only from the academic session specified in the Commission order.
4.2		<p>The University shall publish, prior to the date of commencement of admission to the Programme in Online mode, a prospectus (print and in e-form) containing the following for the purposes of informing those persons intending to seek admission to the University and the general public, namely:-</p> <ul style="list-style-type: none">(a) each component of the fee, deposits and other charges payable by the learners admitted to the University for pursuing a Programme in Online mode, and the other terms and conditions of such payment;(b) the percentage of tuition fee and other charges refundable to a learner admitted to the University in case such learner withdraws from the University before or after completion of programme of study and the time within, and the manner in, which such refund shall be made to the learner, complying to the Commission guidelines and University Statutes/ Regulations;(c) the number of seats approved in respect of each Programme of Online mode, which shall be in consonance with the resources;(d) the conditions of eligibility including the minimum age of a learner in a particular Programme of study, where so specified by the University;(e) the minimum educational qualifications required for admission in Programmes specified by the Commission or relevant statutory authority or councils, or by the University, where no such qualifying standards have been specified by any statutory authority;(f) the process of admission and selection of eligible candidates applying for such admission, including all relevant information in regard to the details of test or examination for selecting such candidates for admission to each Programme of study and the amount of fee to be paid for the admission test;(g) details of the teaching faculty, including therein the educational qual



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		<p>ifications and teaching experience of every member of its teaching faculty and also indicating therein whether such member is employed on regular or contractual basis or any other;</p> <p>(h) pay and other emoluments payable for each category of teachers and other employees;</p> <p>(i) information in regard to physical and academic infrastructure and other facilities, and in particular the facilities accessible by learners on being admitted to the University;</p> <p>(j) broad outline of the syllabus specified by the appropriate statutory body or by University, as the case may be, for every Programme of study;</p> <p>(k) activity planner including all the academic activities to be carried out by the University during the academic sessions;</p> <p>(l) Provided that the University shall publish information referred to in sub-clauses (a) to (k) on its website, and the attention of the prospective learners and the general public shall be drawn to such publication on its website and University admission prospectus and the admission process shall necessarily be over within the time period mentioned in the Commission Order.</p>
	4.3	The rules specified in the following clauses shall be followed for admission to Online BCA Programmes, but the orders issued from the Government/ the regulatory bodies/ University from time to time shall prevail.
	4.4	The intake under various categories shall be limited to the number sanctioned by the UGC/ AICTE, and the State Government, from time to time.
	4.5	Eligibility for Admission: For Indian Students: <ul style="list-style-type: none">✓ 10th Marks Card from the respective state boards✓ 10 + 2 or Pre-University Board Marks Card from the respective state boards✓ State Technical Diploma/State Vocational Training Certificates/ ITI Diploma/ Any Other Certificates equivalent to 10 + 2



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		<ul style="list-style-type: none">✓ Valid Adhaar Card✓ Passports for Indian Overseas Students✓ Certification Approval from State Education Statutory Boards <p>For International Students:</p> <ul style="list-style-type: none">✓ Passport/Any Governemnt Issued Photo Identity Card.✓ For International Students – i.e Students who have completed their schooling via Boards / Schooling Systems other than those mentioned above, the eligibility and equivalence shall be considered provided that the foreign system of education prescribes a minimum of 12 years of regular schooling; <p>Provided</p> <ul style="list-style-type: none">✓ the school is affiliated by a Board that has been approved/ recognized in the country concerned;✓ the school leaving certificate has been issued by the Board that has been approved/ recognized/ accredited in the country concerned; <p>12 Years Formal Education as per the All India University Eligibility document</p>
	4.6	All admissions to the Programme shall be made based on merit, if required an entrance test shall be conducted at the University to decide the merit. There shall be an Admissions Committee to oversee the process of admissions to the BCA Programmes, including International students, constituted by th Vice Chancellor, consisting of the Dean of the concerned Faculty as the Chairman, along with the the Head of concerned Department, one senior staff member of the concerned Department, the Director of CDOE and the Registrar as Member Secretary.
	4.7	Further, applicants from other Universities provisionally selected for admission shall produce an equivalence certificate from the Association of Indian Universities (AIU), New Delhi. With regard to the qualification earned from foreign countries, an equivalence certificate from the Association of Indian Universities is mandatory for admission to the BCA online Programmes. In case of any dispute about the equivalence in qualification earned from foreign



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		countries, the decision of the University in this regard shall be final and binding on all concerned.
23OBC 5.0	CURRICULUM FRAMEWORK AND ACADEMIC PROCESSES	
	5.1	Semesters – Odd and Even: An eligible applicant may take admission to either odd or the even semester for the academic session beginning in July or January respectively. The University follows the Choice Based Credit System and the semester scheme. There are two regular semesters in an academic year. The semester that begins in July (July to December) is known as the Odd Semester and the semester that begins in January (January to May) is known as the Even Semester.
	5.2	Instructional Design
		a) Instructional Design includes Curriculum design, detailed syllabi, duration of the Programme, faculty and support staff requirement, instructional delivery mechanisms, identification of media- print, audio or video, online, computer aided, assessment and evaluation of students and student support service systems. The University shall define the instructional design for each of the academic Programmes to be offered through the Online Mode and shall map the credit hours for each course or module of the Programme.
		b) The University may evolve the curricular aspects, assessment criteria etc., for the award of Degree adopting the following requirements, namely:-
		(i) The course content for each course shall be clearly defined, each having modular e-content, delivery online in a structured format, with clearly spelt out learning outcomes which learners are expected to attain at the end of the module.



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		<p>(ii) Programmes (including courses in a Programme) architecture shall permit the online teacher or instructor to add multi-media enriched and interactive content, activities and assessments to extend learning opportunities and shall be easy to navigate.</p>
		<p>(iii) Availability of assessment mechanism - each course in the Online Programme shall have a precise assessment mechanism for the identified learning outcomes at each level for both continuous formative and summative assessments.</p>
	5.3	Curriculum Design and offering courses
		a) Types of Courses:
		<p>The curriculum of the Programme may be any combination of the following types of courses:</p> <p>(i) Professional Core Courses (PC): relevant to the chosen specialization [May be split into Hard (no choice) and Soft (with choice) types, if required]. These are the courses to be compulsorily studied by a student as a core requirement and is mandatory to complete these in the programme of study. These courses will have 2 to 4 credits per course.</p> <p>(ii) Professional Electives Courses (PE): relevant to the chosen specialization. These are the courses from which a student can choose and study as part of the requirement to complete the programme in a said specialization of study. These courses will have 2 to 4 credits per course.</p> <p>(iii) Humanities and Social Sciences (HS): These courses may be from interdisciplinary areas like law, economics, organizational behaviour, management etc. These courses will have 1 to 3 credits per course.</p> <p>(iv) Project Work and Dissertation (PW): A project work means learning by doing. This means, the student shall identify a problem in a chosen field through literature survey, which involves 'assimilating' information, explore solutions identifying an optimal one, design and implement the prototype/ model, analyze its efficiency and finally</p>



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	<p>prepare the dissertation on the project work. This course may have 10-12 credits.</p> <p>(v) Internship (IS): relevant to enrich professional experience. Preferably undergone at an industry/R&D organization/ IT company/ Government organization/ Business organization of significant repute for a specified period mentioned in Scheme of Teaching and Evaluation. This course may have 5-8 credits.</p> <p>(vi) Non-Credit Mandatory Courses (NM) require only a pass in each of the specified courses to qualify for the award of the Degree. These courses will have 1 to 3 credits per course.</p> <p>(vii) Audit Courses (AC): The Audit course can be any credit course offered by the programme to which the Candidate is admitted (other than the courses considered for completing the prescribed programme credits). Audit courses are non-credit courses opted by students for self - enrichment. Though, the CIE and SEE are not required, the attendance to be compulsorily satisfied, for the audit courses to find a place in the grade card without the mention of letter grade and credit.</p> <p>Note: Seminar may be part of any of the above course types and used for student assessment as specified in the Scheme of Teaching and Evaluation of respective courses.</p>
	<p>b) Choice Based Credit System (CBCS):</p>
	<p>(i) A certain quantum of academic work, measured in terms of credits, is laid down as the requirement for completion of BCA degree Programme in the different available specialization areas. A student earns credits by satisfactorily completing courses/ other academic activities every semester.</p> <p>(ii) The credits are distributed semester wise, as prescribed in the "Scheme of Teaching and Evaluation" for each of the Programmes. The courses generally progress in sequences, building competencies as per the course learning outcomes. The positioning of a course indicates certain academic maturity on the part of the students.</p>



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	<p>(iii) Some courses do, in addition, may specify a grade/ pass/ exposure for other courses, offered earlier in the Programme, as pre-requisites for the course.</p> <p>(iv) Since the University follows the CBCS, the students shall be offered courses as per the “Scheme of Teaching and Evaluation”, and the students are required to register for the courses of their choice before the beginning of every semester.</p> <p>(v) Students are required to follow the semester wise schedule of courses specified in “Scheme of Teaching and Evaluation”; they do, however, have freedom to follow alternative schedules to optimize their academic profile with additional courses, keeping the requirements for each course in mind. For students with backlog courses, such rescheduling may even become necessary. Such departures from suggested schedules need to be done very carefully, and always with guidance from the Mentor.</p>
	<p>c) Curriculum:</p>
	<p>The Programme has a prescribed course structure which, in general terms, is known as the Curriculum or the Courses of Study or the “Scheme of Teaching and Evaluation”. It prescribes all the courses/ laboratory/ other requirements for the degree and sets out the nominal sequence semester wise.</p> <p>The Curriculum provides the syllabus and a list of text/ reference books (or other learning material sources) for each course. The course details are updated every semester and are made available at the University website: http://vtu.ac.in/onlinedegree/. Curriculum shall include Online Courses offered including SWAYAM and other MOOC courses, approved by the University. However, selection of such courses, if any, shall always be within prescribed guidelines recommended in these Regulations.</p>



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	d) Offering the Courses
	<p>(i) The courses offered shall be designed to have the syllabus spanning over one semester depending on the credits allocated for them.</p> <p>(ii) The Scheme of Teaching and Evaluation provides the list of courses offered in a semester, their types, course credits in L-T-P format and the contact hours. As per this, detailed syllabus content, hour distribution, Text and reference Books, Assessment and Evaluation procedure shall also be provided for all the semesters by the Board of Studies of the respective Programmes. A course may include online references and virtual labs as approved by the University.</p> <p>(iii) The composition of courses in the curriculum may be such that having only a theory, a theory with practical or only a practical. These carry separate course codes and each are considered as separate “head of passing”.</p> <p>(iv) The project with dissertation and Internship are treated as laboratory courses.</p> <p>(v) The Syllabus formulated shall be well structured and enable CBCS implementation and incorporate Outcome Based Education (OBE) framework.</p> <p>(vi) The University shall provide necessary qualified faculty and other supporting facilities to meet the standards as specified by the concerned Statutory bodies to create proper teaching-learning environment for the students.</p>
	e) Project work with Dissertation:
	<p>Each candidate shall carry out the project work independently as per Scheme of Teaching and Evaluations under the guidance of one of the faculty members of the Department. If the project is of inter-disciplinary nature, a co-guide shall be allotted by the University from the other concerned department.</p> <p>The topic and title of the dissertation shall be chosen by the candidate in consultation with the guide and co-guide, if any, before the commencement of fourth semester.</p>



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	<p>The subject and topic of the dissertation shall be from the major field of studies of the candidate. Modification of only the title but not the field of work may be permitted at the time of final submission of dissertation report during fourth semester. The Project work and Dissertation preparation could be carried out by the students either in their work place/ Institution/ any industry/ R&D labs/ business Organizations.</p>
	<p>f) Internship:</p>
	<p>The Internship is an extended period of work experience undertaken by the students aspiring to supplement their degree with professional development. The students are allowed to prepare themselves for the workplace and develop practical skills. The Internship shall be completed during the period specified in the Scheme of Teaching and Evaluation. The University shall encourage students to take up,</p> <ul style="list-style-type: none">(1) an interdisciplinary Research Internship or Industry Internship and(2) a rural Internship, a work-based activity carried out to learn practical experiences in rural areas, for the upliftment of living standards. <p>The Department shall nominate a faculty guide and supervise students under Internship.</p> <ul style="list-style-type: none">(i) The students shall report the progress of the Internship work to the internal guide in regular intervals and seek advice.(ii) The Internship shall be completed within the period specified in the "Scheme of Teaching and Evaluation".(iii) After completion of the Internship, students shall submit a report to the Head of the Department with the approval of both internal and external guides.(iv) With the consent of the internal guide, students shall be allowed to carry out the internship in their home town (within or outside the state or abroad), provided favourable facilities are available for the internship and the student remains regularly in contact with the internal guide.



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		<p>(v) The University shall not bear any cost involved in carrying out the Internship by students. However, students can receive any financial assistance extended by the Institution where he/she has undertaken Internship.</p> <p>(vi) Failure to undergo Internship: Completion of Internship is mandatory and it is one of the head of passing. Any student who is unable to undergo/complete the Internship during specified period shall be awarded 'F' Grade. The student, however, is permitted to submit the project dissertation and appear for Viva- Voce. Such students can register for Internship during the subsequent academic year and earn the credits on satisfactory completion of the course. The reappearance shall be considered as an attempt.</p>																																
		g) Curriculum Framework																																
	<p>The curriculum structure of online BCA Programme shall have essentially the</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th colspan="4" style="text-align: center;">Table - 3: Typical Distribution of Credits over Types of Courses</th> </tr> <tr> <th style="text-align: center;">Sr.No</th> <th style="text-align: center;">Course Work - Type of Courses</th> <th style="text-align: center;">Credit</th> <th style="text-align: center;">% of total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>Professional Core (PC) courses; Relevant to the chosen specialization; May</td> <td style="text-align: center;">104</td> <td style="text-align: center;">86.00</td> </tr> <tr> <td style="text-align: center;">2</td> <td>Profession Electives(PE) courses; Relevant to the chosen specialization</td> <td style="text-align: center;">-</td> <td style="text-align: center;">-</td> </tr> <tr> <td style="text-align: center;">3</td> <td>Project/ Seminar/ Dissertation</td> <td style="text-align: center;">12</td> <td style="text-align: center;">10.0</td> </tr> <tr> <td style="text-align: center;">4</td> <td>Internship</td> <td style="text-align: center;">4</td> <td style="text-align: center;">3.00</td> </tr> <tr> <td style="text-align: center;">5</td> <td>Humanities and Social Sciences (HS), Including Management, Economics, IPR, etc</td> <td style="text-align: center;">8</td> <td style="text-align: center;">7.00</td> </tr> <tr> <td colspan="2" style="text-align: right;">Total Credits:</td> <td style="text-align: center;">120*</td> <td style="text-align: center;">100.</td> </tr> </tbody> </table> <p>above types of courses with the breakup of credits indicated against them given in Table-3 below.</p> <p>*Minor variation is allowed as per need of the respective disciplines on approval of the University.</p>		Table - 3: Typical Distribution of Credits over Types of Courses				Sr.No	Course Work - Type of Courses	Credit	% of total	1	Professional Core (PC) courses; Relevant to the chosen specialization; May	104	86.00	2	Profession Electives(PE) courses; Relevant to the chosen specialization	-	-	3	Project/ Seminar/ Dissertation	12	10.0	4	Internship	4	3.00	5	Humanities and Social Sciences (HS), Including Management, Economics, IPR, etc	8	7.00	Total Credits:		120*	100.
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		h) Scheme of Teaching and Evaluation			
		The Scheme of Teaching and Evaluation shall be framed by distributing the total credits over four semesters as follows:			
		Table - 4: Semester-wise Allocation of Credits			
		Semester	Credits	Total Credits	<ul style="list-style-type: none"> • Lecture(L): one hour/week: 1 credit • Tutorial(T): Two hours/week: 1 credit • Practical(P): Two hours/ week: 1 credit • Project, Internship: credits as recommended by the University. • Credit for the Seminars shall be part of the courses.
I year	1	20	40		
	2	20			
II Year	3	20	40		
	4	20			
III Year	5	20	40		
	6	20			
Total:		120	120		
		i) Course Load:			
		Every student to register for a set of Courses in each Semester, with the total number of their Credits being limited by considering the permissible weekly Contact Hours (typically: 35 hours/Week); For this, an average Course Load of 18-24 Credits/Semester (e.g., 6-7 Courses) generally acceptable; to also include 2 or 3 credits Non-Credit Mandatory Courses in some Semesters, if required.			



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j) Relationship between the Credits and the Hours of Study									
Table - 5: Relationship between the Credits and the Hours of Study indicating Norms for Delivery of Courses in Online Mode									
Sl. No.	Credit value of the course	No. of Weeks	No. of Interactive Sessions		Hours of Study Material		Self-Study hours including Assessment etc.	Total Hours of Study (based on 30 hours per credit)	
			Synchronous Online Counseling/ Webinars/ Interactive Live Lectures (1 hour per week)	Discussion Forum/ asynchronous Mentoring (2 hours per week)	e-Tutorial in hours	e-Content in hours			
1	2	6	6 Hours	12	10	10	22	60	
2	4	12	12 Hours	20	20	20	44	120	
3	6	14	28 Hours	30	30	30	66	180	
4	8	16	32 Hours	40	40	40	88	240	
5.4	Preparation of e-Learning Materials								
	a) The Online Learning Programmes of the University shall follow the four quadrant approach specified by the Commission in it's Regulations on credit framework for online learning courses through SWAYAM.								
	b) At least 60 per cent of e-Learning Material shall be developed by the in-house faculty of the University and remaining per cent of the material can be sourced from available e-resources such as Open Educational Resources (OER), SWAYAM or other sources, duly approved by the statutory authorities of the University.								
	c) The Quality Assurance Guidelines on learning materials in multiple media, curriculum and pedagogy, as specified by the Commission shall be followed.								
	d) Ensure that the quality of Programmes of study offered through Online mode are maintained at par with standards as defined for the conventional mode of teaching, in conformity with the provisions as stipulated under section 22 of UGC Act,1956 and UGC notification on specification of degrees, 2014, as notified by the Commission.								



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	<p>e) The online courses should comply with the following quality standards, namely:-</p> <p>i) The courses should follow the following four quadrant approach, as per the SWAYAM Guidelines: -</p> <p>(1) Quadrant-I is e-Tutorial; which shall contain: Video and Audio Content in an organized form, Animation, Simulations, video demonstrations, Virtual Labs, etc., along with the transcription of the video.</p> <p>(2) Quadrant-II is e-Content; which shall contain: self-instructional material (digital Self Learning Material), e-Books, illustrations, case studies, presentations etc, and also contain Web Resources such as further references, Related Links, Open-source Content on Internet, Video, Case Studies, books including e-books, research papers and journals, Anecdotal information, Historical development of the subject, Articles, etc.</p> <p>(3) Quadrant-III is the Discussion forum for raising of doubts and clarifying the same on real time basis by the Course Coordinator or his team.</p> <p>(4) Quadrant-IV is Assessment, which shall contain; Problems and Solutions, which could be in the form of Multiple Choice Questions, Fill in the blanks, Matching Questions, Short Answer Questions, Long Answer Questions, Quizzes, Assignments and solutions, Discussion forum topics and setting up the FAQs, Clarifications on general misconceptions.</p> <p>ii) The courses shall be rich in innovative presentation techniques to ensure that learner attention is retained.</p> <p>iii) It shall be the responsibility of the Course Coordinator to ensure that none of the graphics, animations, images, sound clips, video clips used are plagiarized or cited without formal permissions from owners.</p> <p>iv) A four- credit course shall typically have 20 hours of video content and 20 hours of self-study reading material.</p>
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		<p>v) For Quadrant III for every 250 learners registered for a programme one Mentor can be appointed per course to facilitate the Course Coordinator. The Mentor shall be the subject matter expert adept in handling technology. The Course Coordinators and Mentors shall need to participate actively in the Discussion Forum. Apart from discussion forum other interactive platforms like web conferencing may also be considered.</p>
	5.5	Requirement of the Laboratory support and Library Resources
		<p>There may be Programmes having practical component in syllabus. The University shall give clear guidelines about the laboratory support and access to virtual laboratories to the learners to perform the practical prescribed in the Programme. There shall be provision of a practical book for the learners.</p>
	5.6	Offering Online Programmes and Curriculum Transaction
		<p>a) The Programme offered under Online mode shall conform to the condition that apart from the Programme delivery, other components such as Counselling Process, Course registration, Online Application Processing, examination, result declaration and fee payment shall also be provided through Online mode.</p>
		<p>b) The delivery of Online programmes shall be through the SWAYAM portal or any other learning platform duly approved by the Commission broadly complying to the features mentioned by the Commission.</p>
		c) Offering Courses
		<p>(i) The type of courses offered may be Lectures, Tutorials and Practical in any combination with suitable credits assigned to them. All the courses registered by a student under any of the above types of courses as required for award of the degree shall be considered as “heads of passing” which shall be Graded according to his/her performance. However, the Non-Credit Mandatory Courses shall be passed by a student for which Grades are not assigned.</p>



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		(ii) The courses for the programme shall be designed within the framework of UGC and AICTE guidelines by the concerned Board of Studies and approved by the Academic Senate of the University. The number of courses offered in the Programme with each of these types be decided as per the curriculum framework specified under clauses 5.3 (g).
	5.7	Registration and Enrolment for the Courses
		a) Except for the first semester, registration for a semester will be done during a specified week before the semester end examination of the previous semester, as notified by the University.
		b) The registration form should have the Candidate details, course name and code, number of credits and category (core/elective/audit) for each course of that semester.
		c) The Faculty Adviser, assigned by the Head of the Department, shall counsel the students in planning their courses of study and provide guidance, motivation, emotional support, and enable the mentees to reach the desired professional and career goals.
		d) Lower and Upper Limits for Total Credits to be Registered in a Semester by the Students: A student is permitted to register for a minimum of 16 credits and a maximum of 24 credits in a semester. However, the minimum /maximum credit limit can be relaxed by the Dean of Faculty on specific recommendations of the concerned Faculty Adviser only under extremely exceptional cases.
		e) A candidate shall exercise his/her option in respect of the electives and register for the same before the beginning of the concerned semester. The candidate may be permitted to opt for change of elective subject within 10 days from the date of commencement of the semester as per the calendar of events notified by the University.
		f) Students shall be allowed to choose the elective/s, depending on their career plans, and there shall not be any restriction to the minimum number of students to be registered for an elective course offered in the Programme.
		g) Students shall be allowed to choose the elective/s, depending on their



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		career plans, and there shall not be any restriction as regards the minimum number of students to be registered for an elective course.
		h) Students shall exercise their option in respect of the electives and register for the same before the date notified by the University. They may be permitted to change the elective courses within 10 days from the date of commencement of the semester as per the calendar of the University.
	5.8	Prescribed Number of Credits for the Programme
		All courses prescribed by the University, except the Non-credit Mandatory courses, shall have credits and be considered as a head of passing for vertical progression. The credits fixed for the courses are awarded to a student on passing the courses registered by him/her. The total number of credits to be earned for the award of online BCA Degree by students admitted to the first semester of the three year BCA programme shall be 120.
	5.9	Re-registering for a Course
		For professional courses it is imperative that the course contents are modified at regular intervals. Allowing a candidate to appear for examination long after attending a course cannot be justified academically. It is therefore necessary for a student unsuccessful in passing a course in two successive attempts to register for the same course at the earliest or some other relevant course permitted by the Faculty Advisor as per the requirements and then appear in the examination.
	5.10	Learner Participation Requirement:
		a) Courses of each semester shall be treated as a separate unit for calculation of the attendance/ participation of a learner.
		b) The learners shall put in a minimum attendance of 75% in each course and there shall not be any provision for condonation of attendance in the online Programmes.
		c) A learner, who does not satisfy the attendance requirement in a course as mentioned above shall not be eligible to appear for the SEE of that particular course. Such a learner shall register for that course during the subsequent semester/ year when it is offered.



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		d) The Director of the Programme shall notify regularly, the list of learners who fall short of attendance. The list of the candidates falling short of attendance at the end of the semester for each of the courses shall be sent to the University at least one week prior to the commencement of the examination for needful action.
23OBC 6.0	ASSESSMENT AND EVALUATION	
	6.1	Programmes (including courses in a Programme) architecture shall permit the online teacher or instructor to add assessments to extend learning opportunities and shall be easy to navigate;
	6.2	The University shall adopt the guidelines issued by the Commission for the conduct of proctored examinations.
	6.3	The University shall have a mechanism well in place for evaluation of learners enrolled through Online mode and their Online Programmes certification.
	6.4	<p>The evaluation shall include two types of assessments:</p> <ul style="list-style-type: none">a) continuous or formative assessment during a semester; andb) summative assessment in the form of semester end examination. <p>Provided that no semester end examination shall be held in a course unless:</p> <ul style="list-style-type: none">(i) the University is satisfied that at least 75% of the Programme of study stipulated for the semester has been actually conducted;(ii) the learner has minimum participation of 75%, in all the activities of Online Programme prior to semester end examination: <p>Provided further that the curricular aspects, assessment criteria and credit framework for the award of Degree programmes through Online mode shall be evolved by adopting same standards as being followed in conventional mode by the dual mode University:</p> <p>Provided also that the weightage for different components of assessments for Online mode shall be as under:</p> <ul style="list-style-type: none">(1) continuous or formative assessment (in semester): Maximum 30 per cent.(2) summative assessment (semester end examination): Minimum 70 per cent.



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		The University shall notify all assessment tools to be used for formative and summative assessments.
	6.5	Marks or grades obtained in continuous assessment and semester end examinations shall be shown separately in the grade card.
	6.6	The University offering a Programme in Online mode shall adopt a rigorous process in development of question papers, question banks, assignments and their moderation, conduct of examination, evaluation of answer scripts by qualified teachers, and result declaration, and shall so frame the question papers as to ensure that no part of the syllabus is left out of study by a learner.
	6.7	The examination of the Programmes in Online mode shall be managed by the examination unit of the University and shall be conducted in the Examination Centre as given under these regulations.
	6.8	<p>The 'Examination Centre' shall be established as per UGC/ University Regulations with due approval of the Statutory authority of the University, subject to the following:-</p> <p>(i) The Examination Centre shall have proper monitoring mechanisms for Closed-Circuit Television (CCTV) recording of the entire examination procedure and biometric system and in case of non-availability of the Closed-Circuit Television facilities, the University shall ensure that proper videography be conducted and video recordings are submitted by particular in charge of examination centre to the University.</p> <p>(ii) The University shall retain all such Closed-Circuit Television recordings in archives for a minimum period of five years.</p> <p>(iii) There shall be an observer for each of the Examination Centre appointed by the University and it shall be mandatory to have observer report submitted to the University.</p>
	6.9	The University offering Programme through Online mode shall conduct examinations either using technology enabled online test with all the security arrangements ensuring transparency and credibility of the examinations, or through the Proctored Examination and in conformity with



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		any other norms for such examination as may be laid down by the Commission;
	6.10	As restriction of territorial jurisdiction is not applicable for Online learning, the University if recognised to enrol International learners shall endeavour to conduct proctored examinations for such learners;
	6.11	The attendance of examinees shall be authenticated through biometric system as per Aadhaar details or other Government identifiers of Indian learners and Passports for International learners. "Provided that for admission of foreign or International learners, any National identity with photograph of their country of residence shall also be acceptable for authentication".
	6.12	Continuous Internal Evaluation:
		a) The weightage for CIE is 30% of the maximum marks in each theory and practical courses. A candidate shall obtain not less than 50% of the maximum marks prescribed for the CIE of each Theory / practical courses.
		b) Candidates obtaining less than 50% of the CIE marks in any theory/ practical course shall not be eligible to register for the SEE in that course. In such cases, the Head of the Department shall arrange for the improvement of CIE marks in the theory/ practical course when offered in the subsequent academic session, subjected to satisfying the clause 23OBC 8.0.
		c) CIE Marks shall be based on: (i) Tests marks (ii) Assignments, Quiz, Simulation, Experimentation, Mini project, oral examination, field work etc., conducted in respective courses.
		d) The CIE marks in a theory course, shall be based on three tests covering the entire syllabus. An additional test may be conducted for the needy students to provide an opportunity to improve their CIE Marks before the end of the semester. The CIE marks shall be the average of the marks scored in three tests.



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		e) The candidates shall appear for the proctored Tests online as notified by the concerned course teacher.
		f) The CIE marks list shall be displayed on the Notice Board and corrections, if any, shall be incorporated before submitting it to the University.
		g) Every page of the CIE marks list to be forwarded by the Director, CDOE to the University shall bear the signatures of the concerned Teacher, Head of the Department and the Director of CDOE.
		h) The CIE marks shall be sent to the University by the Director, CDOE well in advance before the commencement of Semester End Examinations. No corrections of the CIE marks shall be entertained after the submission of marks list to the University.
	6.13	Evaluation of Project Dissertation:
		a) The candidate shall submit a soft copy of the dissertation work to the University. The soft copy shall contain the entire Dissertation on the project work in monolithic form as a PDF file (not separate chapters). The Guide, after satisfying himself on the suitability of the dissertation and checking the report for completeness and shall upload the Dissertation along with the name, University Seat Number, address, mobile number of the candidate etc., as prescribed in the form available on online Dissertation evaluation portal.
		b) Plagiarism Check: Once the Guide uploads the dissertation, the same shall be linked for plagiarism check. The allowable plagiarism index shall be less than or equal to 25%. If the check indicates a plagiarism index greater than 25%, he/she shall, (i) for the first time, the candidate shall resubmit the dissertation, to the Registrar (Evaluation)/ Regional Centre/ Head Office, VTU along with the penal fees of Rs. 2000/- (Rupees Two thousand only). (ii) for the second time, the candidate shall resubmit the dissertation along with the penal fees of Rs. 4000/- (Rupees four thousand only).



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		<p>If the dissertation is rejected again during second resubmission with reference to plagiarism index, the candidate shall redo the project and submit after a semester's time, subjected to satisfying the clause 23OBC 8.0.</p>
		<p>c) Project Evaluation by Examiners:</p>
		<p>(i) On clearance of the plagiarism check, evaluation of the project dissertation shall be made independently by the examiners appointed by the University from a panel of eligible examiners in the same field of specialization. The dissertation shall be sent through email by the Registrar (Evaluation) for evaluation to two examiners - one, the Internal Examiner who shall be his/her Guide (Co-guide in the absence of the Guide) and the second, who shall be an External Examiner-I or External Examiner-II, as the case may be, appointed by the University.</p>
		<p>(ii) Examiners shall evaluate the dissertation normally within a period of not more than fifteen days from the date of receipt of the dissertation through email.</p>
		<p>iii) The examiners shall independently submit the report along with the evaluation marks through the specified web-link.</p>
		<p>iv) The External Examiner-I can submit a report,</p> <ol style="list-style-type: none">(1) accepting the dissertation in the present form and award the passing marks, or(2) suggesting for improvement of the dissertation and recommend for resubmission of the dissertation again for evaluation, or(3) totally rejecting the dissertation clearly listing reasons for the same. <p>On receiving the report from the External Examiner-I,</p> <ol style="list-style-type: none">A. if the recommendation is (1), the Viva-Voce examination of the student shall be conducted as per clause 23OBC 6.13(x).B. if the recommendation is (2), the student shall be informed about the suggestions, to incorporate the same and resubmit the dissertation through the Guide, for further action as per clause (vi) below.C. If the External Examiner-I has rejected the dissertation, the University shall appoint another examiner, under clause 6.13(c)(i), as



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		External Examiner-II, and send the dissertation for evaluation through email for further action as per clause (v) below.
		<p>(v) The External Examiner-II can submit a report,</p> <ol style="list-style-type: none">(1) accepting the dissertation in the present form and award the passing marks, or(2) suggesting for improvement of the dissertation and recommend for resubmission of the dissertation again for evaluation, or(3) totally rejecting the dissertation clearly listing reasons for the same. <p>On receiving the report from the External Examiner-II,</p> <ol style="list-style-type: none">A. if the recommendation is (1), the Viva-Voce examination of the student shall be conducted as per clause 23OBC 6.13(x).B. if the recommendation is (2), the student shall be informed about the suggestions, to incorporate the same and resubmit the dissertation through the Guide, for further action as per clause (vi) below.C. If the External Examiner-II has rejected the dissertation, the University shall not accept the project dissertation of the student.
		<p>(vi) When the student resubmits the dissertation after incorporating the modifications suggested by the External Examiner-I or External Examiner-II, as per clause (iv)(B) or (v)(B) respectively, the Viva-Voce examination of the student shall be conducted as per clause 23OBC 6.13(x).</p>
		<p>(vii) The average of the marks awarded by the two examiners shall be the final evaluation marks for the dissertation.</p>
		<p>(viii) If the dissertation is not accepted by the University as per clause (v)(C) above, the candidate shall carry out the dissertation work once again and submit the dissertation subject to provisions of 23OBC8.0. In such cases of rejection, the candidate shall redo the entire procedure starting from the submission of dissertation in soft copy.</p>
		<p>(ix) The candidate, whose Dissertation is rejected, can rework on the same topic or choose another topic of dissertation under the same Guide or new Guide, if necessary. In such an event, the report shall be submitted subject to provisions of 23OBC8.0.</p>



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		<p>(x) Viva-Voce examination of the candidate shall be conducted together by the External Examiner, who evaluated the dissertation, and the Internal Examiner. The Internal Examiner as per the direction of the University shall arrive at a mutually convenient date for the conduct of Viva-Voce examination of the concerned candidate with an intimation to the Registrar (Evaluation). In case one of the examiners expresses his/ her inability to attend the Viva-Voce, the Registrar (Evaluation) shall appoint a substitute examiner in his/ her place.</p>
		<p>(xi) The relative weights for the evaluation of dissertation and the performance at the Viva-Voce shall be as per the Scheme of Teaching and Evaluation.</p>
		<p>(xii) The marks awarded by both the Examiners at the Viva-Voce examination shall be sent jointly to the University immediately after the examination.</p>
		<p>(xiii) Examination fee as fixed from time to time by the University for evaluation of dissertation and conduct of Viva-Voce shall be remitted through the Director, CDOE as per the instructions of Registrar (Evaluation) from time to time.</p>
		<p>(xiv) The candidates who fail to submit the dissertation work within the stipulated time are permitted to submit the same with special permission from the University along with the penal fee notified for the same.</p>
	6.14	Internship:
		<p>(i) There shall be 100 marks for CIE (Presentation: 50 marks, Report: 50 marks) and shall be evaluated by the internal panel at the Department.</p> <p>There will be 50 marks for CIE (Seminar: 20, Internship/ Organization study report: 30) and 50 marks for Viva - Voce conducted during SEE.</p> <p>The Presentation, Seminar and Viva-Voce shall be conducted in online mode.</p>



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		<p>(ii) The Internal Guide shall award the CIE marks for the seminar and Internship reports after evaluation. He/she will also be the Internal Examiner for Viva - Voce conducted during SEE.</p> <p>(iii) The External Guide/ Examiner will be from the industry/ faculty from the University/ University Affiliated Colleges as an examiner for the Viva-Voce of Internship. The Viva-Voce on Internship shall be conducted either at the University or through online mode and the date and mode of conducting Viva-Voce shall be fixed in consultation with the External Guide/Examiner. The Examiners shall jointly award the Viva-Voce marks.</p> <p>(iv) In case the External Guide/Examiner is not available or expresses his inability to conduct Viva-Voce, the University shall make alternate arrangements. The examiner, in the order of preference, shall be an industry person or a faculty of another institution chosen from the list of University examiners. The same shall be intimated to the concerned Chairperson, Board of Examinations.</p> <p>(v) In case the External Guide/ Examiner accept to conduct the Viva-Voce from his/her workplace, it shall be held in online mode. The External Examiner shall send the signed marks list, soon after the examination, via email/any electronic media.</p>
	6.15	Conduct of Semester End Examination:
		a) All processes of assessment of learners in different components of Examination shall be directly handled by the University.
		b) The University offering Programme through Online mode shall conduct examinations either using Computer based test or pen and paper test in a proctored environment in designated test centre with all the security arrangements ensuring transparency and credibility of the examinations. It can also conduct online examination through technology mediated proctoring.
		c) The attendance of examinees shall be authenticated through biometric system as per Aadhaar details or other Government identifiers for Indian learners and Passports for International learners.



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		"Provided that for admission of foreign or international learners, any national identity with photograph of their country of residence shall also be acceptable for authentication".
		d) Minimum Standards to be maintained at Examination Centres as per the Commission norms.
		e) There shall be a University examination at the end of each semester. Question papers in theory courses shall be set by the Examiners appointed by the University.
		f) The weightage for the SEE shall be 70% of the maximum marks of each of the theory and practical courses.
		g) There shall be double valuation of theory answer scripts. The theory answer scripts shall be valued independently by two examiners appointed by the University.
		h) If the difference between the marks awarded by the two Examiners is not more than 15 per cent of the maximum marks, the marks awarded to the candidate shall be the average of two evaluations.
		i) If the difference between the marks awarded by the two Examiners is more than 15percent of the maximum marks, the answer script shall be evaluated by a third Examiner appointed by the University. The average of the marks of nearest two valuations shall be considered as the marks secured by the candidate. In case, if one of the three marks falls exactly midway between the other two, then the highest two marks shall be taken for averaging.
23OBC 7.0	AWARD OF GRADES, PASSING STANDARDS AND VERTICAL PROGRESSION	
	7.1	The University follows absolute grading system wherein the marks are converted to grades, and every semester results will be declared with Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA). The CGPA will be calculated for every semester, except for the first semester.



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7.2	Computation of SGPA and CGPA
	<p>(i) The grading system with the letter grades and the assigned range of marks under absolute grading system are as defined in the Table - 2 above.</p> <p>(ii) A student obtaining Grade 'F' in a Course shall be considered failed and is required to register for the course and reappear in subsequent SEE. Whatever the letter grade secured by the student during his/her reappearance shall be retained. However, the month and year of passing the Course shall be indicated in the grade cards/ transcripts.</p>
7.3	Grade Point Averages:
	<p>SGPA and CGPA: The credit index can be used further for calculating the Semester Grade Point Average (SGPA) and the Cumulative Grade Point Average (CGPA), both being important academic performance indices of the student. While SGPA is equal to the credit index for a semester divided by the total number of credits registered by the student in that semester, CGPA gives the sum total of credit indices of all the previous semesters divided by the total number of credits registered in all these semesters. Both the equations together facilitate the declaration of academic performance of a student, at the end of a semester and at the end of successive semesters respectively. Thus,</p> $SGPA = \frac{\sum[\text{Course Credits} \times \text{Grade Points}] \text{ for all the courses in that semester}}{\sum[\text{Course Credits}] \text{ for all Courses in that semester}}$ $CGPA = \frac{\sum[\text{Course Credits} \times \text{Grade Points}] \text{ for all Courses excluding those with F and transitional grades until that semester}}{\sum[\text{Course Credits}] \text{ for all Courses excluding those with F grades until that semester}}$



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	7.4	SGPA and CGPA Calculations: An Illustrative Example for one academic year																																																		
<p>Table - 6A: An Illustrative Example to calculate SGPA and CGPA for I Semester.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Semester (Odd : I, Even: II)</th> <th style="width: 10%;">Course Number</th> <th style="width: 10%;">Credits</th> <th style="width: 10%;">Grade</th> <th style="width: 10%;">Grade Points</th> <th style="width: 10%;">Credit Points</th> <th style="width: 10%;">SGPA/ CGPA</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>XX101</td> <td>5:0:0= 5</td> <td>A</td> <td>8</td> <td>5 x 8 = 40</td> <td rowspan="7" style="text-align: center; vertical-align: middle;"> SGPA = <u>117</u> 25 = 4.68 CGPA = SGPA </td> </tr> <tr> <td>I</td> <td>XX102</td> <td>3:2:0= 5</td> <td>Absent (F)</td> <td>0</td> <td>5 x 0 = 00</td> </tr> <tr> <td>I</td> <td>XX103</td> <td>3:0:0= 3</td> <td>A+</td> <td>9</td> <td>3 x9 = 27</td> </tr> <tr> <td>I</td> <td>XX104</td> <td>0:1:1 = 2</td> <td>F</td> <td>0</td> <td>2 x 0 = 00</td> </tr> <tr> <td>I</td> <td>XX105</td> <td>4:1:0= 5</td> <td>B</td> <td>6</td> <td>5 x 6 = 30</td> </tr> <tr> <td>I</td> <td>XX106</td> <td>5:0:0= 5</td> <td>C</td> <td>4</td> <td>5 x 4 = 20</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td>25 (18*)</td> <td>Total</td> <td></td> <td>117</td> </tr> </tbody> </table>			Semester (Odd : I, Even: II)	Course Number	Credits	Grade	Grade Points	Credit Points	SGPA/ CGPA	I	XX101	5:0:0= 5	A	8	5 x 8 = 40	SGPA = <u>117</u> 25 = 4.68 CGPA = SGPA	I	XX102	3:2:0= 5	Absent (F)	0	5 x 0 = 00	I	XX103	3:0:0= 3	A+	9	3 x9 = 27	I	XX104	0:1:1 = 2	F	0	2 x 0 = 00	I	XX105	4:1:0= 5	B	6	5 x 6 = 30	I	XX106	5:0:0= 5	C	4	5 x 4 = 20	Total		25 (18*)	Total		117
Semester (Odd : I, Even: II)	Course Number	Credits	Grade	Grade Points	Credit Points	SGPA/ CGPA																																														
I	XX101	5:0:0= 5	A	8	5 x 8 = 40	SGPA = <u>117</u> 25 = 4.68 CGPA = SGPA																																														
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I	XX103	3:0:0= 3	A+	9	3 x9 = 27																																															
I	XX104	0:1:1 = 2	F	0	2 x 0 = 00																																															
I	XX105	4:1:0= 5	B	6	5 x 6 = 30																																															
I	XX106	5:0:0= 5	C	4	5 x 4 = 20																																															
Total		25 (18*)	Total		117																																															
<p>(18*): Total credits of the semester excluding the credits of the courses under 'F' grade. Considered for the calculation of CGPA of the two consecutive semesters under consideration.</p>																																																				
<p>Table - 6B: An Illustrative Example to calculate SGPA and CGPA for II Semester.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 10%;">II</td> <td style="width: 10%;">XX107</td> <td style="width: 10%;">3:1:1 = 5</td> <td style="width: 10%;">B+</td> <td style="width: 10%;">7</td> <td style="width: 10%;">5x7 = 35</td> <td rowspan="7" style="text-align: center; vertical-align: middle;"> SGPA = <u>162</u> 25 = 6.48 CGPA = <u>(117 + 162)</u> (18 + 23) = 279/41 = 6.80 </td> </tr> <tr> <td>II</td> <td>XX108</td> <td>4:0:0 = 4</td> <td>A</td> <td>8</td> <td>4x8 = 32</td> </tr> <tr> <td>II</td> <td>XX109</td> <td>3:0:0 = 3</td> <td>B</td> <td>6</td> <td>3x6 = 18</td> </tr> <tr> <td>II</td> <td>XX110</td> <td>4:1:0 = 5</td> <td>C</td> <td>5</td> <td>5x5 = 25</td> </tr> <tr> <td>II</td> <td>XX111</td> <td>2:1:1 = 4</td> <td>A+</td> <td>9</td> <td>4x9 = 36</td> </tr> <tr> <td>II</td> <td>XX112</td> <td>2:0:0 = 2</td> <td>F</td> <td>0</td> <td>2x0 = 0</td> </tr> <tr> <td>II</td> <td>XX113</td> <td>0:2:0 = 2</td> <td>A</td> <td>8</td> <td>2x8 = 16</td> </tr> <tr> <td colspan="2" style="text-align: center;">Total</td> <td>25 (23*)</td> <td>Total</td> <td></td> <td>162</td> </tr> </tbody> </table>			II	XX107	3:1:1 = 5	B+	7	5x7 = 35	SGPA = <u>162</u> 25 = 6.48 CGPA = <u>(117 + 162)</u> (18 + 23) = 279/41 = 6.80	II	XX108	4:0:0 = 4	A	8	4x8 = 32	II	XX109	3:0:0 = 3	B	6	3x6 = 18	II	XX110	4:1:0 = 5	C	5	5x5 = 25	II	XX111	2:1:1 = 4	A+	9	4x9 = 36	II	XX112	2:0:0 = 2	F	0	2x0 = 0	II	XX113	0:2:0 = 2	A	8	2x8 = 16	Total		25 (23*)	Total		162	
II	XX107	3:1:1 = 5	B+	7	5x7 = 35	SGPA = <u>162</u> 25 = 6.48 CGPA = <u>(117 + 162)</u> (18 + 23) = 279/41 = 6.80																																														
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Total		25 (23*)	Total		162																																															
	7.5	If the Student secures letter grades as detailed below after reappearance to SEE, then the SGPA and CGPA shall be calculated as indicated therein.																																																		



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		<p>Table - 6C: An Illustrative Example to calculate SGPA after passing the failed courses.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">I</td> <td style="width: 10%;">XX102</td> <td style="width: 15%;">3:2:0 = 5</td> <td style="width: 5%;">B</td> <td style="width: 5%;">6</td> <td style="width: 10%;">5x6 = 30</td> <td style="width: 55%;">SGPA (I Semester)</td> </tr> <tr> <td>I</td> <td>XX104</td> <td>0:1:1 = 2</td> <td>B+</td> <td>7</td> <td>2x7 = 14</td> <td>$\frac{117 + 30 + 14}{25}$</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>= 161/25 = 6.44</td> </tr> <tr> <td>II</td> <td>XX112</td> <td>2:0:0 = 2</td> <td>B</td> <td>6</td> <td>2x6 = 12</td> <td>SGPA (II Semester)</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>= (162 +12)/25</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>= 169/25 = 6.96</td> </tr> </table>	I	XX102	3:2:0 = 5	B	6	5x6 = 30	SGPA (I Semester)	I	XX104	0:1:1 = 2	B+	7	2x7 = 14	$\frac{117 + 30 + 14}{25}$							= 161/25 = 6.44	II	XX112	2:0:0 = 2	B	6	2x6 = 12	SGPA (II Semester)							= (162 +12)/25							= 169/25 = 6.96
I	XX102	3:2:0 = 5	B	6	5x6 = 30	SGPA (I Semester)																																						
I	XX104	0:1:1 = 2	B+	7	2x7 = 14	$\frac{117 + 30 + 14}{25}$																																						
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						= (162 +12)/25																																						
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		<p>CGPA at the end of the academic year after passing all the Courses of the two consecutive semesters under consideration</p> <p>= (6.44 x 25 + 6.96 x 25) / 50 = 6.70</p>																																										
7.6	(b) CGPA Calculation of the Programme: An Illustrative Example																																											
		<p>Table - 6 D: An Illustrative Example to calculate SGPA and CGPA for all Semesters.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 20%;">Semester</th> <th style="width: 15%;">I</th> <th style="width: 15%;">II</th> <th style="width: 15%;">III</th> <th style="width: 15%;">IV</th> </tr> </thead> <tbody> <tr> <td>Credits of the Semester</td> <td>25</td> <td>25</td> <td>25</td> <td>25</td> </tr> <tr> <td>SGPA</td> <td>6.44</td> <td>6.96</td> <td>9.20</td> <td>6.86</td> </tr> <tr> <td>CGPA =</td> <td colspan="4" style="text-align: center;">$\frac{25 \times 6.44 + 25 \times 6.96 + 25 \times 9.20 + 25 \times 6.86}{100}$</td> </tr> <tr> <td></td> <td colspan="4" style="text-align: center;">= 7.37</td> </tr> </tbody> </table>	Semester	I	II	III	IV	Credits of the Semester	25	25	25	25	SGPA	6.44	6.96	9.20	6.86	CGPA =	$\frac{25 \times 6.44 + 25 \times 6.96 + 25 \times 9.20 + 25 \times 6.86}{100}$					= 7.37																				
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	= 7.37																																											
7.7	<p>Grade Card: Based on the secured letter grades, grade points, SGPA and CGPA, a grade card for each semester and a consolidated grade card indicating the performance in all the semesters shall be issued.</p>																																											
7.8	<p>Conversions of Grades into Percentage and Class Equivalence</p> <p>a) Conversions of Grades into Percentage:</p> <p>There is no formula for conversion of CGPA into the percentage of marks. However, the following formula for conversion of the CGPA on a 10-point scale into the percentage of marks (M) for use during employment / higher studies, etc. may be used;</p>																																											



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		Percentage of marks secured, $M = [\text{CGPA Earned}] \times 10$ Illustration for a CGPA of 8.20: $M = [\text{CGPA Earned } 8.2] \times 10 = 82.0 \%$
		b) Class Equivalence: After the conversion of final CGPA into percentage of marks (P), a graduating student is reckoned to have passed in, (i) First Class with Distinction (FCD) if $P > 70\%$ (ii) First Class [FC] if $P > 60\%$ but $< 70\%$ and (iii) Second Class (SC) if $P < 60\%$. And $> 50\%$
	7.9	Passing Standards:
		a) (i) A student obtaining any grade 'O' to 'C' shall be considered as passed and a student securing 'F' grade in any of the head of passing shall reappear in that head for the SEE. (ii) A student shall be declared successful at the end of the Programme for the award of Degree only on obtaining $\text{CGPA} > 5.00$, with none of the Courses remaining with 'F' Grade.
		b) For a pass in a theory and laboratory (practical) course, the student shall secure the minimum of 40 % of the maximum marks prescribed in the SEE and 50% of marks in CIE and 50 % in the aggregate of CIE and SEE marks. The Minimum Passing Grade in a course is 'C'.
		c) For a pass in Internship/ Project/ Dissertation examination, a student shall secure a minimum of 50 % of the maximum marks prescribed for these courses in the Scheme of Teaching and Evaluation at the SEE. The Minimum Passing Grade in a course is 'C'.
		d) VI semester candidates having backlog courses are permitted to upload the dissertation report and appear for SEE. The VI semester grade card shall be released only when the candidate completes all the backlog courses and become eligible for the award of degree.
		e) A candidate may at his/her desire reject his/her latest semester results of University examination, except the VI semester, in respect to all courses of that semester. Rejection shall be permitted only once during the entire Programme, subjected the condition under clause



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		23OBC8.0. The CIE marks of the rejected semester shall remain the same. Rejection of results of the University examination including CIE marks is not permitted.
		f) If the rejection of the University examination results of the semester happens to be of an odd semester, the candidate can take admission to the immediate next even semester. However, if the rejection of the University result is of even semester, the candidate can take admission to the next odd semester, but register for only those courses that are offered during that semester as per the Scheme of Teaching and Evaluation. He/she may register for the rest of the courses during the following even semester.
		g) Application for rejection shall be submitted to the Registrar (Evaluation) through the Director, CDOE, within thirty days from the date of announcement of results.
	7.10	Eligibility for Promotion and Vertical Progression
		a) There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.
		b) (1) Candidates, with a maximum of four backlog courses of first year shall be eligible for taking admission to second year. (2) Each credit course shall be treated as a head of passing.
		c) The Mandatory non - credit courses, if any, shall not be considered for the Eligibility criterion prescribed for promotion, award of Class, calculation of SGPA and CGPA. However, a pass in the above courses is mandatory before the completion of Degree.
23OBC 8.0	MAXIMUM DURATION FOR PROGRAMME COMPLETION	
		A candidate shall be allowed a maximum duration of five(5) years from the date of admission to the first semester to complete all the requirements for the award of the Degree, failing which he/she shall discontinue the programme or register once again as a fresh candidate to the first semester.



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23OBC 9.0	ELIGIBILITY FOR AWARD OF DEGREE, PRIZES, MEDALS, AND RANKS	
9.1		Eligibility for Award of Degree: A student shall be declared to have completed the degree of BCA, provided the student has undergone the stipulated course work as per the regulations and has earned the prescribed Credits, as per the Scheme of Teaching and Evaluation, of the programme. Provided, minimum attendance/ participation requirements prescribed are satisfied.
9.2		Certification
		Each award of Degree at undergraduate level for Online mode shall be assigned a unique identification number and shall have photograph and Aadhaar number or other government recognised identifier or Passport number, as applicable, along with other relevant details of the learner along with the Programme name. Each award shall also be uploaded on the National Academic Depository.
9.3		Award of Prizes, Medals and Ranks:
		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.



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		<p>a) For award of rank in Bachelor of Computer Applications in online mode, the CGPA secured by the student on completion of the programme is considered.</p> <p>b) A student shall be eligible for a rank at the time of award of degree of Bachelor of Computer Applications, provided the student,</p> <ul style="list-style-type: none">(i) Is not a repeater in any semester(ii) Has not rejected the results of any semester.(iii) Has passed I to VI semester in all the courses in first attempt only <p>c) The total number of ranks awarded shall be 10 % of total number of students appeared in VI semester subject to a maximum of 10 ranks.</p> <p>Illustration:</p> <ul style="list-style-type: none">(i) If 150 students appeared for the VI semester, the number of ranks to be declared will be 10.(ii) If 84 students appeared for the VI semester, the number of ranks to be declared will be 08.(iii) In case of fractional number of ranks, it is rounded to higher integer only when the first decimal place value is greater than or equal to 5.
		<p>d) Ranks are awarded based on the merit of the students as determined by CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA. If it is not resolved even at this stage, the number of times a student has obtained higher grades like S, A, B etc., shall be taken into account to decide the order of the rank.</p>
23OBC10.0	MISCELLANEOUS	
	10.1	Equivalence of Qualifications Acquired
		<p>The BCA Degrees at undergraduate level in conformity with Commission notification on Specification of Degrees, awarded through Online mode by the University, recognised by the Commission under these regulations, shall be treated as equivalent to the corresponding awards of the Degrees at under graduate level, recognised by the Commission offered through conventional mode.</p>



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	10.2	Active Engagement of the Learners
		Active engagement in Online or virtual class shall be monitored via participation in asynchronous or synchronous discussions, assignment activity and Programme involvement and the analytics of Learning Management System shall be used for ensuring the learner's participation of at least 30 hours including self-learning time in a semester required to acquire the prescribed level of learning in respect of one credit.
	10.3	Learner Support Services
		a) The University shall provide adequate support for advising, counselling, mentoring and guidance so as to ensure the best possible learning experience for the learners and there shall be clear guidelines on academic integrity and netiquette (internet etiquette) expectations regarding lesson activities, group discussions, chats and plagiarism.
		b) The University offering programmes in Online mode shall have guidelines for learner support services which is made available to all the Co-ordinators/ Counsellors/ Mentors and is accessible to the learners.
		c) The learner support services to be provided by the University shall include broadly the following, namely:- (i) Pre - admission counselling for prospective learners to provide information to facilitate them in taking an informed decision on joining a specific programme; (ii) support for admission related matters; (iii) details of study material and information shall also be available on the website of the University; (iv) a full-time dedicated help desk well versed with the learner information data base providing single window services for all learner related queries.
		d) The University shall provide facilities for online guidance and counselling facilities to the learners.
		e) The University shall create online discussion forum for learners.



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	10.4	Learner's Authentication
		a) The University shall exercise proper learner's authentication practice to ensure the academic integrity and all the Indian learners, at the time of enrolment, synchronous/ asynchronous participations and all assessments for examinations, shall be required to provide the Aadhaar number or other government recognised identifier, as applicable and verify their information for authentication for which necessary infrastructure or support shall be provided to them by the University;
		b) All the International learners shall authenticate their credentials through Passports only. These learners shall pursue Online programmes from their country of residence. "Provided that for admission of foreign or international learners through the Ministry of External Affairs, Government of India, in UGC recognized or entitled online Programmes, any national identity with photograph of their country of residence shall also be acceptable for authentication".
		c) The University shall provide the details of all International learners enrolled immediately after the beginning of the academic session to the Ministry of External Affairs, Ministry of Education and University Grants Commission.
	10.5	Learner Mobility
		<p>A learner enrolled for a programme under Online mode in a higher educational institution recognised by the Commission under these regulations shall be eligible for mobility from one mode of learning to another mode of learning within the higher educational institution as per the provisions stipulated under its Act/ Statutes/ Regulations and with the approval of the University.</p> <p>Provided that in case a programme is under the domain of regulatory authority/ statutory council, the University shall take permission from the concerned regulatory authority/ statutory council for mobility of learners under such programmes.</p>



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	10.6	Temporary Discontinuation/ Break in the Programme
		<p>(a) If a candidate, for any reason, temporarily discontinues the Programme or take a break from programme during any semester, he/she may be permitted to continue in the programme by registering to the same semester of the prevailing Scheme, and shall complete all the remaining course work subject to the provision 23OBC 8.0.</p> <p>(b) Also the Candidates may have to complete additional course/s, if any, as per the decision of concerned Board of Studies and approval of Dean, on establishing equivalence between two Schemes. A Grade card shall be issued to that effect. Additional course/s shall not be considered for the eligibility criterion prescribed for promotion. However, based on the individual cases, it is considered to decide the SGPA and CGPA to admit the student for the award of degree. Such candidate shall not be eligible for the award of rank.</p>
	10.7	System of Grievance Redressal
		<p>a) The University shall institute a system of Grievance Redressal, in accordance with the guidelines specified by the Commission.</p>
		<p>b) The University shall provide an online facility for submitting grievances and track their status. The Online "Complaint Handling Mechanism" facilitates learners to submit online complaints through the interactive web portal and track their resolution status.</p>
23OBC 11.0		Applicability, Interpretation and Power to Modify
	11.1	These regulations of Visvesvaraya Technological University governing the Degree of Bachelor of Computer Applications by online mode shall be binding on all concerned.
	11.2	Interpretation. – If any question arises relating to interpretation of these Regulations, the decision of the University shall be final and binding.



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	11.3	Removal of Difficulties <p>(i) Nothing in the foregoing may be construed as limiting the power of the University to amend, modify or repeal any or all of the above.</p> <p>Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ clarifications/orders and prescribe such format/ procedure, as it may deem fit in the course of implementation of these and related Regulations to address and removal of any difficulty.</p>
		