

VISVEVARAYA TECHNOLOGICAL UNIVERSITY, Belagavi
Regulations governing
THE DEGREE OF MASTER OF ARCHITECTURE (M. Arch.)
Under Outcome Based Education (OBE)
and
Choice Based Credit System (CBCS) Scheme
(Full-time)
(Effective from academic year 2018 -19)

Definitions of Keywords:

The following are the definitions/descriptions that have been followed for the different terms used in the Regulations of M.Arch. Programmes:

- 1) **Programme:** Is an educational programme in a particular stream/ branch of Architecture/branch of specialization leading to award of the Degree. It involves events/activities, comprising of lectures/ tutorials/ studio projects/ field work, outreach activities/ project work/ professional training/ viva voce/ seminars/ term papers (research paper) / assignments/ presentations/ self-study etc., or a combination of some of these.
- 2) **Branch:** Means specialization or discipline of study that provides specific domain knowledge in M. Arch Degree Programme, like M. Arch in Urban Design, M. Arch in Habitat Design etc.
- 3) **Semester:** Refers to one of the two sessions of an academic year (vide: serial number 4), each session being of sixteen weeks duration (with working days greater than or equal to ninety).The odd and even semesters shall be as per the University academic calendar.
- 4) **Academic Year:** Refers to the sessions of two consecutive semesters (odd followed by an even) including periods of vacation.
- 5) **Course:** Refers to usually referred to as 'papers' and is a component of a programme. All Courses need not carry the same weight. The Courses should define learning objectives and learning outcomes. A Course may be designed to comprise comprising of lectures/ tutorials/ studio projects/ field work, outreach activities/ project work/ professional training/ viva voce/ seminars/ term papers (research paper) / assignments/ presentations/ self-study etc., or a combination of some of these.
- 6) **Credit:** Refers to a unit by which the Course work is measured. It indicates the relative importance of a course.
- 7) **Audit Courses:** Means the Knowledge/ Skill enhancing Courses without the benefit of a grade or credit for a Course.
- 8) **Choice Based Credit System (CBCS):** Refers to customizing the Course work, through Core, Elective and soft skill Courses, to provide necessary support for the students to achieve their goals.
- 9) **Course Registration:** Refers to formal registration for the Courses of a semester (Credits) by every student under the supervision of a Faculty Advisor (also called Mentor, Counselor etc.,) in each semester for the Institution to maintain proper record.

- 10) Course Evaluation:** Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) to constitute the major evaluations prescribed for each Course, with only those students maintaining a minimum standard in CIE being permitted to appear in SEE of the Course.
- 11) Continuous Internal Evaluation (CIE):** To be normally conducted by the Course Instructor and include mid-term/weekly/fortnightly class tests, group discussion, viva voce and seminars etc., throughout the Semester, with weightage for the different components being flexible as decided only by the course teachers. Instructor also to discuss on CIE performance with the Students. CIE is also termed as Internal Assessment or Progressive assessment.
- 12) Semester End Examinations (SEE):** Refers to the examinations conducted by the University covering the entire Course Syllabus. SEE is also termed as University examination.
- 13) First Attempt:** Refers to a student who has completed all formalities and has become eligible to attend the SEE and has attended at least one head of passing, such attempt (first sitting) shall be considered as first attempt.
- 14) Credit Based System (CBS):** Refers to quantification of Course work, after a student completes teaching – learning process, followed by passing in both CIE and SEE. Under CBS, the requirement for awarding degree is prescribed in terms of total number of credits to be earned by the students.
- 15) Letter Grade:** It is an index of the performance of students in a said Course. Grades are denoted by letters S, A, B, C, D, E and F.
- 16) Grading:** Grade refers to qualitative measure of achievement of a student in each Course, based on the percentage of marks secured in CIE and SEE. Grading is done by Absolute Grading [Refer: 18OMA12]. The rubric attached to each letter grades are as follows:
S – Outstanding, A – Excellent, B – Very Good, C – Good, D – Above Average, E – Average and F – Fail.
- 17) Grade Point (GP):** Refers to a numerical weightage allotted to each letter grade on a 10-point scale as under.

Letter Grade and corresponding Grade Points on a typical 10 – Point							
Letter	S	A	B	C	D	E	F
Grade	10	09	08	07	06	04	00

- 18) Passing Standards:** Refers to passing a Course only when getting GP greater than or equal to 04 (as per serial number 17).
- 19) Credit Point:** Is the product of grade point (GP) and number of credits for a Course i.e.,
Credt points (CrP) = GP × Credits for the Course.
- 20) Semester Grade Point Average (SGPA):** Refers to the measure of academic performance of student/s in a semester. [Refer:18OMA12]
- 21) Cumulative Grade Point Average (CGPA):** Is a measure of overall cumulative performance of a student over all semesters. [Refer:18OMA12]

- 22) 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 will display the Programme details (Course code, title, number of credits, grades secured) along with SGPA of that semester and CGPA earned till that semester.
- 23) University:** Visvesvaraya Technological University (VTU), Belagavi.



VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAVI
THE MASTER OF ARCHITECTURE PROGRAMME (M.ARCH.)
UNDER CBCS SCHEME (Full-time)
(w.e.f Academic Year 2018-19)

18OMA 1.0	TITLE OF THE PROGRAMME
	The Programme shall be called Master of Architecture (Subject of Specialization), abbreviated as M.Arch. (Subject of Specialization).
18OMA 2.0	DURATION OF THE PROGRAMME
18OMA 2.1	Full-time Programme: The Programme shall extend over a period of four semesters and each semester (excluding Examination, Professional training and Vacation) shall be of 16 weeks duration.
18OMA 2.2	The Calendar of events in respect of the Programme shall be notified by the University in advance.
18OMA 2.3	Maximum Duration for Programme Completion A Full-time candidate shall be allowed a maximum duration of 4 years from the first semester of admission to become eligible for the award of Master's Degree, failing which he/she may discontinue the programme or register once again as a fresh candidate to I semester of the programme.
18OMA 3.0	ELIGIBILITY FOR ADMISSION
18OMA 3.1	Admission to the Master of Architecture Programme shall be open to all the candidates who have passed B.Arch. Examination (as per the eligibility criteria specified from time to time) of VTU or any other recognized University / Institution. The decision of the Equivalence committee shall be final in establishing the eligibility of candidates for a particular Programme. For the foreign degrees Equivalence certificate from the Association of Indian Universities is a must. The candidates who have completed their prerequisite degree through the distance mode education from any University (National or International) are not eligible for admission to M.Arch. Programs under any quota i.e., Government/ Management.
18OMA 3.2	Qualification awarded by the Indian Institute of Architects (AIIA) and recognized by the regulations of Council of Architecture (COA), shall be considered equivalent to B.Arch. The candidates seeking admission to M. Arch. Programs on the basis of IIA Associateship qualification shall qualify the Postgraduate Common Entrance Test (PGCET).
18OMA 3.3	Admission to M.Arch. Programme shall be open to the candidates who have passed the prescribed qualifying examination with not less than 50% of the marks in the aggregate of all the years of the degree examination. However, in the case of candidates belonging to SC/ST and Category I, the aggregate percentage of marks in the qualifying examinations shall not be less than 45%. Rounding off of percentage secured in qualifying examination is not permissible.

<p>18OMA 3.4</p>	<p>i. For admissions under GATE (Architecture) qualification and roaster system of Government of Karnataka: The candidates should be GATE (Architecture) qualified or should have appeared for the Entrance Examination conducted by an authority recognized by Government of Karnataka / VTU/ any other University on approval by Government of Karnataka.</p> <p>ii. For admissions under Management Quota: The candidates should be GATE (Architecture) qualified or should have appeared for the Entrance Examination conducted by an authority recognized by Government of Karnataka / VTU/ any other University on approval by Government of Karnataka.</p> <p>Further, there shall be an Admissions Committee for the M.Arch. programme/s in each College consisting of the Principal of the College as the Chairman, Head of the concerned Department, one senior faculty of the concerned Department or Subject Experts as members. The Admissions Committee shall select the candidates for admissions through the process of interviews.</p> <p>iii. For admissions under Sponsored Quota: The candidates should be GATE (Architecture) qualified or should have appeared for the Entrance examination conducted by an authority recognized by Government of Karnataka / VTU/ any other University on approval by Government of Karnataka.</p>
<p>18OMA 3.5</p>	<p>The candidates, who are qualified in the GATE(Architecture) Examination shall be given priority. Such candidates shall be exempted from taking Postgraduate Entrance Examination (PGCET).</p>
<p>18OMA 3.6</p>	<p>If sufficient number of GATE qualified candidates are not available, such seats shall be filled from amongst the candidates appeared for Entrance Examination in the order of merit.</p>
<p>18OMA 3.7</p>	<p>The intake under various categories (regular, sponsored candidates and SC/ST) shall be as sanctioned and notified by the State Government and VTU, from time to time.</p>
<p>18OMA 3.8</p>	<p>Subject to the provisions of 18OMA 3.1 and 18OMA 3.2, members of the Teaching/Research Staff/Teaching Assistants working in any Architectural college/ Department recognized by COA either in the State of Karnataka or outside and who have put in a minimum of Three years of teaching experience on full-time basis in Architecture College / Department, Polytechnic institutions / any other institutions imparting Architectural education shall be eligible for admission to PG Programs under sponsored quota on full-time basis, if they are officially sponsored by their respective Institutions / DTE.</p>
<p>18OMA 3.9</p>	<p>Subject to the provisions of 18OMA3.1 and 18OMA3.2, members working in the State Government / Central Government / Quasi Government Organizations / Public Sector Industries / Reputed Private Industries, who have put in a minimum of three years of working experience and are sponsored by the concerned organizations shall also be eligible to seek admissions to PG Programs against sponsored quota. Preference for admission under 18OMA3.8 and 18OMA3.9 is given to candidates sponsored by State and central Governments.</p>

18OMA 3.10	The Architecture graduates other than the graduates of any of the Universities of Karnataka State shall have to obtain Eligibility Certificate from the VTU to seek admission to M.Arch. Programme in any of the colleges affiliated to VTU.
18OMA 3.11	There shall be no admission to M.Arch. Programme under lateral entry scheme.
18OMA 3.12	Admission to vacant seats: Seats remaining vacant (unfilled), after the completion of PG admission process by Karnataka Examination Authority, shall be filled by the Institution by inviting applications through notification. The seats shall be filled by Candidates preferably who have valid GATE (Architecture)/ PG CET score. In the absence of such Candidates, admission shall be based on merit in the entrance test conducted at the Institution level. An Admissions Committee, consisting of the Principal of the College, Head of the concerned Department and the subject experts, shall be in charge of admissions.
18OMA 4.0	REGISTRATION AND ENROLMENT: i) Except for the first semester, registration for a semester will be done during a specified week before the end semester examination of the previous semester. ii) The registration sheet contains the course number, course name, number of credits and category for each course taken in that semester. The student makes the choice of courses in consultation with his Faculty Adviser. iii) The Faculty Adviser will help the students in planning their courses of study and for getting general advice regarding either the academic programme or any other activity.
18OMA 5.0	ATTENDANCE REQUIREMENT
18OMA 5.1	Courses of each semester shall be treated as a separate unit for calculation of the attendance.
18OMA 5.2	Candidate has to put in a minimum attendance of 85 % in each course with a provision to condone 10% of the attendance by the Vice-Chancellor on the specific recommendations of the Principal of the college where the candidate is studying, based on medical grounds, participation in University level sports, cultural activities, seminars, workshops, paper presentation, etc. The necessary documents such as Medical Certificate, letter of participation in University level activities etc., shall be submitted along with recommendations to condone the shortage.
18OMA 5.3	A candidate, who does not satisfy the attendance requirement as mentioned in 18OMA 5.2 shall not be eligible to appear for the SEE of that semester and shall be required to repeat that semester during the subsequent year.
18OMA 5.4	Principals of the concerned colleges shall notify regularly, the list of such candidates who fall short of attendance.
18OMA 5.5	The list of the candidates falling short of attendance shall be sent to the University at least one week prior to the commencement of the examination.

18OMA 5.6	If a candidate, for any reason, discontinues the Programme during the course of study, he/she may be permitted to continue by registering to the Programme under the prevailing scheme. The candidate shall complete the studio assignments, class work and seminar including the submission of dissertation within the maximum stipulated period under the provision of 18OMA 2.3. Such candidate shall not be eligible to be considered for the award of rank.
18OMA 6.0	CONTINUOUS INTERNAL EVALUATION OR PROGRESSIVE ASSESSMENT
18OMA 6.1	Continuation Internal Evaluation (CIE) or progressive assessment marks refer to the marks awarded to a student on a continuous basis during a semester by the concerned course /studio teacher/teachers. a) In case of courses which are mainly studio based as per the scheme of teaching and examinations, the progressive marks shall be the sum total of marks given to the various drawings, maps, sketches etc., submitted from time to time by a student in a format prescribed by the studio teachers. b) In the case of courses which are mainly lecture based as per the scheme of teaching and examinations, the progressive marks shall be based on the average of two tests conducted normally at the end of 8th and 12th weeks of each semester. Provided that, the teacher may give assignments instead of tests which may include book reviews, write-ups, seminars etc. c) In the case of courses which are mainly practical based as per the scheme of teaching and examinations, the progressive marks shall be based on the assignments submitted by the students. A minimum of two assignments per semester shall be given. d) In all the three cases, viz., studio based, lectured based and practical based courses, the concerned teacher shall give a reasonable opportunity to the student to improve his / her progressive marks for example by re-doing the assignments or taking an additional test etc., within the time frame of the given semester.
18OMA 6.2	The progressive marks awarded to the students in a course/s shall be displayed on the notice boards of the colleges to enable the students to point out any discrepancies. The progressive marks finalized shall be signed by the concerned teacher/teachers, head of the department and Principal on each page and they shall be sent to the University.
18OMA 6.3	If a candidate fails to secure a minimum of 50 % of marks in progressive marks in any course/s, he /she shall not be eligible to take up theory/viva voce examination in those course/s.
18OMA 6.4	It shall be the responsibility of concerned Head of the Architecture department/ Principal to implement clause 18OMA 6.3. In the event of an ineligible candidate inadvertently allowed to appear for the theory/viva voce examination, the result of the concerned examination shall be declared as null and void.
18OMA 6.5	Such candidates, under 18OMA6.3, shall correct, improve, re-do the concerned works on the advice of course/s teacher and re-submit them during any of the subsequent semesters in order satisfy the progressive marks requirements in that course/s.
18OMA 6.6	The candidates who have not satisfied the progressive marks requirements shall register their names in their college for repeating

	the course work to satisfy the progressive marks requirements within 15 days from the commencement of any of the subsequent semesters.
18OMA 6.7	The list of such candidates, who have not secured the minimum progressive marks, shall be sent to the University along with the submission of progressive marks of the other successful candidates.
18OMA 6.8	After the submission of progressive marks to the University, any requests for changes in the marks by the college shall not be considered under any circumstances.
18OMA 6.9	Progressive marks sheet shall be submitted to the University without any delay when sought by the University.
18OMA6.10	The candidates shall write the Internal Assessment Tests/Progressive assessment tests in Blue Books/portfolios which shall be maintained by the Principal / Head of the Department for at least six months after the announcement of University results and shall be made available for verification as per the directions of the Registrar (Evaluation).
18OMA6.11	Every sheet of the progressive Assessment marks list shall bear the signatures of the concerned Teacher/Teachers, Head of the Department and the Principal.
18OMA 7.0	PAPER SETTING AND EVALUATION OF THEORY ANSWER PAPERS
18OMA 7.1	Question papers in theory courses shall be set by the Examiners appointed for the purpose by the University.
18OMA 7.2	There shall be double valuation for theory papers in the University examinations. The theory answer papers shall be valued independently by the two examiners appointed by the University.
18OMA 7.3	If the difference between the marks awarded by the two Examiners is not more than 15% of the maximum marks, the marks awarded to the candidate shall be the average of two evaluations.
18OMA 7.4	If the difference between the marks awarded by the two Examiners is more than 15% of the maximum marks, the Script shall be evaluated by a third Examiner. The average of the marks of nearest two valuations shall be considered as the marks secured by the candidate. However, if one of three marks falls exactly midway between the other two, then the higher two marks shall be taken for averaging.
18OMA 8.0	COURSES
18OMA 8.1	The syllabus of the Programme comprises of the following types of courses: i) <u>Professional Core Courses (PC)</u> - relevant to the chosen specialization. The core course is to be compulsorily studied by a student and is mandatory to complete the requirements of a program in a said discipline of study. ii) <u>Professional Electives Courses (PE)</u> - relevant to the chosen specialization; these are the courses, which can be chosen from the pool of papers. It shall be supportive to the discipline/ providing extended scope/enabling an exposure to some other discipline / domain / nurturing student skills. iii) <u>Open Electives Courses (OE)</u> , from other technical and/ or emerging specialization areas. iv) <u>Audit Courses (AC)</u> : (a) The Audit course can be any credit course offered by the program to which admitted (other than the courses considered for completing

	<p>the prescribed program credits) or other programmes offered in the institution, where the student is studying.</p> <p>(b) The students who are interested in audit courses can register for one audit course at a time during II and IV semesters. Audit students, considered on par with students registered for credit, hence have to satisfy attendance and progressive assessment requirements. However, audit students need not have to appear for SEE.</p> <p>(c) Registration for any audit course, in writing, shall be completed at the beginning of II and IV semesters. The Institution should intimate the University about the registration at the beginning of the semester and obtain a formal approval for inclusion of the audit course/s in the Grade cards/ Transcripts issued to the students.</p> <p>v) Project Work, Seminar and/or Internship.</p>
18OMA 9.0	PROFESSIONAL TRAINING
18OMA 9.1	A Candidate shall undergo Professional Training for <u>eight weeks</u> immediately after the completion of 2nd semester examinations and before the commencement of 3rd semester course work. The training shall be undertaken in an architectural firm / Govt. department specializing in Urban design / Urban planning / Landscape architecture / Construction Project Management. The training certificate shall be signed by an architect registered with Council of Architecture.
18OMA 9.2	At the completion of Professional training, every candidate shall submit a Training Report, Training Completion Certificate, approved & signed with seal of the Architect. Professional Training report shall consist of work/survey maps/drawings/study etc., carried out by the candidates during the Professional Training.
18OMA 9.3	The Viva voce examination in Professional Training shall be conducted during end of III semester examination.
18OMA10.0	DISSERTATION WORK
18OMA10.1	The topic and title of the dissertation shall be chosen by the candidate in consultation with the guide/panel of guides and co-guide, if any, during the end of third semester.
18OMA10.2	The dissertation work shall be carried out by each candidate independently during the fourth semester under the guidance of one of the faculty members (Full-time / Visiting) of the Department in the Institution of study.
18OMA10.3	Every Candidate shall submit report of the dissertation work duly approved by the guide and the co-guide, if any, at the end of the fourth semester. The dissertation work shall be countersigned by the guide/panel of guides, co-guide, if any, Head of the Department and Head of the Institution. The Candidate shall submit three copies of the dissertation report to the Head of the Institution.
18OMA10.4	The report shall consist of not only the write up about the selected work but also the various drawings, maps, illustrations (in a reduced scale) etc. For the purpose of the examination, the full scale drawings, maps, illustrations, models etc., shall be displayed to the examiners in addition to the report.
18OMA10.5	A soft copy of the Dissertation report of all the students shall be sent to Registrar (Evaluation), VTU by the Principal of the College.

18OMA10.6	Plagiarism Check The dissertation guide/s and head of the department shall ensure and certified the authenticity and originality of contents constituting the dissertation. All cited content shall be duly acknowledged. The text content of the dissertation shall be subjected to plagiarism check. The allowable plagiarism index is less than or equal to 25%. If the check indicates a plagiarism index >25% : <ul style="list-style-type: none"> • For the first time, the candidate has to resubmit the dissertation, to the Registrar (Evaluation), VTU along with the penal fees of Rs. 2000/- (Rupees Two thousand only) in person. • For the second time, the candidate has to resubmit the dissertation along with the penal fees of Rs. 4000/- (Rupees four thousand only) in person. • 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 or subject to the provision 18 OMA 2.3.
18OMA10.7	The date of submission of the dissertation may be extended without exceeding the duration specified in regulation 18OMA2.3 for full-time candidates.
18OMA10.8	The dissertation shall be evaluated by three examiners comprising of one internal examiner (guide/co-guide) and two external examiners appointed by the University. The evaluation of the dissertation shall be made independently by each examiner.
18OMA10.9	Average of the marks awarded by the three Examiners shall be the final dissertation marks of the candidate.
18OMA10.10	The IV semester Full-time candidates who have satisfied the progressive assessment of III semester Dissertation Seminar, but having backlog courses are permitted to complete dissertation report and to appear for SEE. The IV semester grade card shall be released only when the candidate completes all the backlog courses and become eligible for the award of degree.
18OMA10.11	A Student who has not satisfied progressive assessment in the subject Dissertation Seminar during III semester is not eligible to take up Dissertation in the IV Semester.
18OMA 11.0	ELIGIBILITY FOR PASSING AND AWARD OF DEGREE
18OMA 11.1	(1) A student who obtains any grade S to E shall be considered as passed and if a student secures F grade in any of the head of passing he/she has to reappear in that head for the SEE. (2) A student will be declared successful at the end the programme on obtaining CGPA \geq 5.00, with none of the Courses registered in a Semester or for the Degree Award remaining with F Grade. (3) In case, the CGPA fall below 5.00, the student shall be permitted to appear again for SEE for required number of courses (other than seminar and Practical) and times, subject to the provision of 18OMA2.3 , to make up CGPA \geq 5.0. The student should reject the SEE results of the previous attempt and obtain written permission from The Registrar (Evaluation) to reappear in the subsequent SEE.
18OMA11.2	For a pass in a theory course, the student shall secure minimum of 40% of the maximum marks prescribed in the Semester End Examination and 50% of marks in Internal Assessment and 50 % in the aggregate of progressive marks and SEE marks. The minimum

	Passing Grade in a course is “E”.
18OMA 11.3	For a pass in Professional Training/ Practical/ Project/ Dissertation /Viva-voce examinations, a student shall secure a minimum of 50 % of the maximum marks prescribed for the SEE in Professional Training/Practical/Project /Dissertation /Viva-voce. The Minimum Passing Grade in a course is “E”.
18OMA11.4	Promotion: There shall be no restriction for promotion from an odd semester to the next even semester, provided the student has fulfilled the attendance requirement.
18OMA 11.5	Candidates, under full-time programme, with a maximum of two backlog courses of first year shall be eligible for taking admission to second year(III semester).
18OMA 11.6	A candidate may at his/her desire reject his/her latest semester results of University examination in respect to all courses of that semester. However, in the 4th semester the rejection shall not include the Dissertation result. Rejection shall be permitted only once during the entire Programme. The Internal Assessment marks of the rejected semester shall remain the same. Rejection including Internal Assessment is not permitted.
18OMA 11.7	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 cannot take admission to the next odd semester.
18OMA 11.8	Application for rejection shall be submitted to the Registrar (Evaluation) through the Principal of the College, within thirty days from the date of announcement of results.
18OMA 11.9	A candidate, who opts for rejection of results of a semester shall be eligible for the award of class and distinction, but shall not be eligible for the award of rank.
18OMA11.10	A student shall be declared to have completed the degree of Master of Architecture, provided the student has undergone the stipulated course work as per the regulations and has earned the prescribed Credits of the programme.
18OMA 12.0	COMPUTATION OF SGPA AND CGPA
18OMA 12.1	(i) The University adopts 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. (ii) The grading system with the letter grades and the assigned range of marks under absolute grading system are as given here under;

Level		Outstanding	Excellent	Very Good	Good	Above Average	Average	Fail
Letter Grade		S	A	B	C	D	E	F
Grade points		10	9	8	7	6	4	00
Percentage of Marks Scored in	Course with Prog marks & theory (SEE) *	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 55	< 55 ≥50	< 50
	Course with Prog marks & VIVA VOCE	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 55	< 55 ≥50	< 50
	Course with Prog Marks only	≥ 90	<90 ≥80	< 80 ≥70	< 70 ≥60	< 60 ≥ 55	< 55 ≥50	< 50
<p>* For a pass in a theory course, the student shall secure minimum of 40% of the maximum marks prescribed in the Semester End Examination and 50% of marks in Internal Assessment and 50 % in the aggregate of progressive marks and SEE marks. The minimum Passing Grade in a course is “E”. (18OMA11.2)</p> <p>(iii) A student obtaining Grade F in a Course shall be considered fail and is required to reappear in subsequent SEE. Whatever the letter grade secured by the student during his /her reappearance shall be retained. However the number of attempts taken to clear a Course shall be indicated in the grade cards/ transcripts.</p>								
18OMA 12.2	<p>Grade Point Averages:</p> <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> $SGPA = \frac{\sum[\text{Course Credits} \times \text{Grade Points}] \text{ for all the Courses in that Semester}}{\sum[\text{Course Credits}] \text{ for all the Courses in that Semester}}$ $CGPA = \frac{\sum[\text{Course Credits} \times \text{Grade Points}] \text{ for all Courses excluding those with F and transitional grades until that Semester}}{\sum[\text{Course Credits}] \text{ for all Courses excluding those with F grades until that semester}}$							

**18OMA12.2
(continued)**

(a) SGPA and CGPA Calculations: An Illustrative Example for one academic year

er (Odd :I, Even:	Course Number	Credits	Grade	Grade Points	Credit Points	SGPA, CGPA
I	XX101	5:0:0 = 5	B	8	5 × 8	$SGPA = \frac{117}{25}$ $= 4.68$
I	XX102	3:2:0 = 5	Absent	0	5 × 0 = 00	
I	XX103	3:0:0 = 3	A	9	3 × 9 = 27	
I	XX104	0:1:1 = 2	F	0	2 × 0 = 00	
I	XX105	4:1:0 = 5	D	6	5 × 6 = 30	
I	XX106	5:0:0 = 5	E	4	5 × 4 = 20	
Total		25 (18*)	Total	117		

(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.

II	XX107	3:1:1 = 5	C	7	5 × 7 = 35	$SGPA = \frac{157}{25}$ $= 6.28$
II	XX108	4:0:0 = 4	B	8	4 × 8 = 32	
II	XX109	3:0:0 = 3	D	6	3 × 6 = 18	
II	XX110	4:1:0 = 5	E	4	5 × 4 = 20	
II	XX111	2:1:1 = 4	A	9	4 × 9 = 36	$CGPA = \frac{(117 + 157)}{18 + 23}$ $= 274/41 = 6.68$
II	XX112	2:0:0 = 2	F	0	2 × 0 = 00	
II	XX113	0:2:0 = 2	B	8	2 × 8 = 16	
Total		25 (23*)	Total	157		

(23*): 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.

If the Student secures letter grades as detailed below after reappearance to SEE then the SGPA and CGPA shall be calculated as indicated below.

I	XX102	3:2:0 = 5	D	6	5 × 6 = 30	$SGPA (I Semester) = \frac{117 + 30 + 14}{25}$ $= 161/25$ $= 6.44$
I	XX104	0:1:1 = 2	C	7	2 × 7 = 14	

II	XX112	2:0:0 = 2	D	6	2 × 6 = 12	$SGPA (II Semester) = (157 + 12)/25$ $= 169/25$ $= 6.76$
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CGPA at the end of the academic year after passing all the Courses of the two consecutive semesters under consideration = $\frac{(6.44 \times 25 + 6.76 \times 25)}{50} = 6.60$ ■

(b) CGPA Calculation of the Programme: An Illustrative Example

Semester	I	II	III	IV
Credits of the	25	24	26	25
SGPA	7.00	8.50	9.20	6.80

18OMA 12.3	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 semesters shall be issued.
18OMA 12.4	Conversions of Grades into Percentage and Class Equivalence Conversion formula for the conversion of CGPA into percentage is given below: Percentage of marks secured, $P = [\text{CGPA Earned} - 0.75] \times 10$ Illustration For A CGPA Of 8.20: $P = [\text{CGPA Earned } 8.2 - 0.75] \times 10 = 74.5 \%$
18OMA12.5	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 $P \geq 70\%$ (ii) First Class (FC) if $P \geq 60\%$ but $<70\%$ and (iii) Second Class (SC) if $P < 60\%$.
18OMA 13.0	Award of Prizes, Medals and Ranks
18OMA 13.1	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.
18OMA 13.2	Award of Ranks i) For award of rank in a Specialization of Master of Architecture, the CGPA secured by the student on completion of the programme is considered. ii) A student shall be eligible for a rank at the time of award of degree of Master of Architecture, provided the student: a) Is not a repeater in any semester, b) Has not rejected the results of any semester, and c) Has passed 1st to 4th semester in all the courses in first attempt only. iii) The Total number of ranks awarded shall be 10% of total number of students appeared in 4th semester subject to a maximum of 10 ranks in a Specialization. iv) For award of ranks in a Specialization, a minimum of 10 students should have appeared in the 4th semester examination. v) 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.
18OMA 13.3	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.
18OMA 14.0	Applicability and Power to Modify
18OMA 14.1	The regulations governing the Degree of Master of Technology of Visvesvaraya Technological University shall be binding on all concerned.
18OMA 14.2	POWER TO MODIFY: i) Notwithstanding anything contained in the foregoing, the University shall have the power to issue directions/ orders to address any difficulty. ii) 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.