



UNIVERSITY OF CALICUT

Abstract

Regulations for B.Voc. Programme under University of Calicut- w.e.f 2014- modifications in Clause 12 (Assessment of Students), Clause 12 (External), Annexure 27.1 and Annexure 27.4 - recommendations of BVoc Regulations Committee- implemented - erratum issued.

G & A - IV - J

U.O.No. 7404/2018/Admn

Dated, Calicut University.P.O, 19.06.2018

Read:-1. U.O.No. 7304/2018/Admn Dated, 16.06.2018

ORDER

The following erratum is issued to the University Order read above.

ERRATUM

"Software Development" has been deleted from Sl.No.1- Clause 12 Assessment of Students & Annexure 27.4.

U.O No.7304/2018/Admn Dated, 16.06.2018 stands modified to this extent. Corrected BVoc Regulations attached.

Ajitha P.P

Joint Registrar

To

Principals of all Colleges having approval for BVoc Programmes
Controller of Examinations,JCE 7,Digital Wing

Forwarded / By Order

Section Officer



UNIVERSITY OF CALICUT

Abstract

Regulations for B.Voc. Programme under University of Calicut- w.e.f 2014- modifications in Clause 12 (Assessment of Students), Clause 12 (External), Annexure 27.1 and Annexure 27.4 - recommendations of BVoc Regulations Committee- implemented - Approved-Orders issued.

G & A - IV - J

U.O.No. 7304/2018/Admn

Dated, Calicut University.P.O, 16.06.2018

- Read:-*1. U.O.No. 9809/2014/Admn Dated, 23.10.2014.
2. U.O.No. 7711/2017/Admn Dated 21.06.2017.
3. U.O.No.1980/2018/Admn dated 16.02.2018
4. Item 1,2 & 3 in the Minutes of the B.Voc Regulations Committee held on 12.06.2018
5. Orders of the Vice Chancellor in the file of even No. dated 13.06.2018

ORDER

Vide paper read first above, the Regulations for B Voc Programmes was implemented under the University of Calicut from 2014 admission onwards and orders were issued implementing the amendments in the B Voc regulations, Vide paper read second and third above,

Vide paper read fourth above, the committee for B.Voc Regulations has recommended the following modifications in Clause 12 (Internal), Clause 12 (External) 27.1 and Annexure 27.4 of the B.Voc Regulations:

1. Clause 12 Assessment of Students & Annexure 27.4 : Internal assessment (20 marks) shall be made applicable for internship and project for Software Technology, Software Development and Digital Film Production also.
2. Sl.No.3&4 Clause 27.1 & Clause 27.2 : The nomenclature of Bvoc Programmes "Information Technology- Software Development" and "Information Technology- Software Technology" have been changed as "Software Development " and "Software Technology" respectively.
3. Clause 12 External- Point 2 has been modified as follows:

At the starting of each semester, Colleges should prepare question bank (containing questions from each module of various types mentioned in section 13- pattern of question paper as follows: Section A- minimum of 10 times, Section B- Minimum of 10 times, Section C- Minimum of 5 times and Section D- Minimum of 5 times.) for the external theory/practical examinations for all courses during that semester and will be sent to the university. University will prepare the question papers and answer keys for each course and will sent back to the college for conducting the examination.

Vide paper read fifth above, the Vice Chancellor approved the above modifications, subject to the ratification of the Acadmic Council.

Sanction has, therefore, been accorded to include the above modifications in the Regulations for B.Voc. Programme under University of Calicut subject to the ratification of the Acadmic Council.

Orders are issued accordingly.

Ajitha P.P

Joint Registrar

To

Principals of all Colleges having approval for BVoc Programmes
Controller of Examinations,JCE 7,Digital Wing

Forwarded / By Order

Section Officer

Regulations for BVoc Programmes, University of Calicut

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1. Title

Regulations for conducting B. Voc. Programme under University of Calicut.

2. Scope

The regulations stated in this document shall apply to all B. Voc Programmes conducted by colleges affiliated to University of Calicut, sanctioned by the University Grants Commission. These regulations strictly adhere to B. Voc Programmes and may not apply to any other graduate or under graduate level programmes conducted by any college and/or university.

3. Objectives

The B. Voc courses are designed with the following objectives,

- a) To provide judicious mix of skills relating to a profession and appropriate content of General Education.
- b) To ensure that the students have adequate knowledge and skills, so that they are work ready at each exit point of the programme.
- c) To provide flexibility to the students by means of pre-defined entry and multiple exit points.
- d) To integrate NSQF within the undergraduate level of higher education in order to enhance employability of the graduates and meet industry requirements. Such graduates apart from meeting the needs of local and national industry are also expected to be equipped to become part of the global workforce.
- e) To provide vertical mobility to students coming out of 10+2 with vocational subjects.

4. Terms and Definitions

- a) **B. Voc:** Bachelor of Vocation- a scheme introduced by UGC for skills development based higher education as part of college/university education.
- b) **NSQF :** National Skills Qualifications Framework
- c) **Programme:** A Programme refers to the entire course of study and examinations for the award of the B. Voc degree.
- d) **Semester:** A term consisting of 90 working days including examination days distributed over a minimum of 18 weeks of 5 working days consisting of six hours.
Total credits in a semester: 30(equivalent to 450 hours)
For final semester internship, the total duration is 900 hours.

- e) **Course:** Refers to the conventional paper, which is portion of the subject matter to be covered in a semester. A semester shall contain many such courses from general and skill development areas.
- f) **Exit Level:** B. Voc has multiple exit points at each year and successfully completing a year (2 semesters) the candidate will be awarded Diploma. Higher Diploma and/or B.Voc Degree will be awarded accordingly mentioned (in Item 6).
- g) **Sector:** Sector refers to conventional branch.
- h) **Credit:** B. Voc programme follows a credit semester system and each Course has an associated credit.
- i) **Grade:** Uses seven point grading system suggested by Hrudayakumari Commission to assess the students.
- j) **B. Voc Steering Committee:** A University level committee consisting Convenor of Steering Committee on CUBCSS UG, Director, College Development Council (DCDC) , Controller of Examinations and principals/representatives of respective colleges.
- k) **B. Voc Governing council:** A college level committee constituted by the principal of the college. Member includes principal, representative from industrial partner, head of the department and other faculty members nominated by the principal and university representative.

5. Programme Structure

The B. Voc Programme is designed to bridge the potential skill gap identified. The curriculum in each of the years of the programme would be a suitable mix of general education and skill development components.

General Education Components:

- a) The general education component provides emphasis to Communication skill, Presentation skill, Health and Safety, Industrial Psychology, Environmental awareness, Entrepreneurship development and other relevant subjects in the field.
- b) An option for additional language should be provided which enhances the employability outside the state.
- c) General Education Components should not exceed 40% of the curriculum
- d) All B.Voc Programmes should follow the General Education Component pattern listed in the LRP Programmes of University of Calicut. The Courses are distributed as per the following table. Changes made in the syllabus of the General Education Component by the respective boards will be applicable to B.Voc courses also.

No	Semester	Course No	Course Code	Paper
1	1	1.1	GEC1EG01	A01
2	1	1.2	GEC1ML02 GEC1AR02 GEC1HD02	MAL1A01(2) ARB1A07(1) (A07)
3	2	2.1	GEC2EG04	A02
4	2	2.2	GEC2ML05 GEC2AR05 GEC2HD05	MAL2A02(2) ARB2A08(1) (A09)
5	3	3.1	GEC3EG07	A03
6	4	4.1	GEC4EG10	A04

Skill Development Components:

- This component should match the skill gap identified.
- At least 50% of Skill Development Component should be allotted to practical and can grow up to 60% based on the nature of the course. The practical component can be carried out in the college and/or the industry partner premises.

Course Code:

Each Course shall have a unique alphanumeric code number, which includes the abbreviation of subject component (GEC for General education component and SDC for Skill Development Component), the Semester number (1 to 6) in which the course is offered, abbreviation for subject and serial number of the courses. For example GEC1EG01 represent General education component in English of serial number 01 offered in the semester 1 and SDC4IT11 represent the Skill Development Component in the Sector Information Technology of serial number 11 offered in semester 4

6. Levels of Awards

B. Voc is programme with multiple exits. Following table shows the various certificates and their duration.

Awards	Duration
Diploma	2 Semester
Advance Diploma	4 Semester
B. Voc Degree	6 Semester

- Students are free to exit at any point in the duration of the programme.
- Only those students who successfully complete the courses and clear the examination are eligible for the certificate.
- Separate certificate will be awarded for each year for successful candidates.
- Students who fail in any course may be allowed to move the higher level but won't be eligible for any certificates until he/she clears previous courses.

5. B. Voc degree will confer to those who successfully complete the diploma, higher diploma and internship.

7. Duration of the course

Duration of B. Voc programme shall be 6 semesters distributed over a period of 3 academic years. Each semester shall have 90 working days inclusive of all examinations.

8. Sector and Specialization

Following sectors and specializations were considered while preparing this document.

1. Automobiles
2. Digital Film Production
3. Medical Laboratory Technology
4. Software Development
5. Software Technology
6. Jewellery Designing
7. Gemmology
8. Broadcasting & Journalism
9. Multimedia
10. Pharmaceutical Chemistry
11. Tourism & Hospitality Management

9. Board of Studies

The B. Voc Programmes in each sector is attached to the UG Board of studies of the parent subjects. The BoS is responsible for reviewing and approving the syllabus and provide suggestions in the curriculum. BoS will decide the fee structure and also formulate the index marks for ranking. B.Voc programmes and its associated BoS are attached in the annexure 1.

Each B.Voc Programme has the option to select any course of the existing Programme approved by BoS in the Calicut University

10. Conditions for Admissions

Eligibility

- The admission to B Voc programme will be as per the rules and regulations of the University for UG admissions.
- Basic eligibility for B.Voc is 10+2 and above in any stream (No age limit)

- The eligibility criteria for admission shall be as announced by the University from time to time.
- Separate rank lists shall be drawn up for reserved seats as per the existing rules.
- Grace Marks may be awarded to a student for meritorious achievements in co-curricular activities such as Sports/Arts/ NSS/NCC/ Student Entrepreneurship.
- Preferred subjects and index mark calculations will be decided by the respective Board of Studies.

Diploma Holders

Diploma holders (after 10+2) in the parent courses, approved by the University, who satisfies eligibility criteria can be admitted to the higher diploma(3 rd semester) based on the availability of the seats and is under the sole discretion of the principal of the college/ B. Voc consortium.

Reservation/Quota

A maximum of 50 students can be admitted to one B. Voc programme. The students can be admitted only to the first semester (except for diploma holders). No students are admitted directly to the Third and Fifth semester in any circumstance except for diploma holders. Diploma holders may be permitted to third semester directly as mentioned above.

The reservation rules for Government/Aided Colleges are as same as that of the regular UG programmes conducted in colleges affiliated to this university.

Fees Structure

1. The course fee and examination fee for the first three years will be decided by the University. The details of the fee structure for various courses are attached in the annexure 2.
2. The college can collect Caution deposit, PTA fund, special fees, university fees, sports fee etc according to the norms provided by the university at the time of admission.
3. After third year, with the consent of university/UGC, the college can conduct the same programme in self-financing mode (provided UGC not granting further funds).

The course fee and examination fee (Regular/improvement/supplementary) structure in self financing mode will be decided by the University.

11. Course Calendar

The B. Voc programme conducted by the affiliated institutions follows a separate calendar from the conversional degree/ PG programme. The programme is distributed over six semesters and each semester constitute 90 working days inclusive of examination.

Note: Within a week after the commencement of classes of each semester, Head of each Institution should forward the list of students, details of faculty members allotted from the college and from industry partners along with their qualification and year of experience, to the University. Also, Head of each Institution shall ensure the availability of sufficient number of faculty members having experience and qualifications in the institution.

12. Assessment of Students

Assessment of students for each subject will be done by internal continuous assessment and Semester-End examinations. This dual mode assessment will be applicable to both Theory and Practical courses except for internship and project. Total marks in theory course reflect 80 marks external and 20 marks internal assessments. The mark division for practical courses are 20 marks internal and 80 marks external. For internship and project, there is no internal assessment.

(Except for Broadcasting and Journalism, Software Technology and Digital Film Production)

Sl No	Courses	Internal	External
1	Theory	20	80
2.	Practical	20	80
3.	Internship/Project	0	100

Internal

Internal assessment shall be conducted throughout the semester. It shall be based on internal examinations, assignments (such as home work, problem solving, group discussions, quiz, literature survey, seminar, team project, software exercises, etc.) as decided by the faculty handling the course, and regularity in the class. Assignments of every semester shall preferably be submitted in Assignment Book, which is a bound book similar to laboratory record.

The mark distribution to award internal continuous assessment marks for theory subject should be as follows:

Assessment	Mark
Test papers (minimum two, best two out of three is preferred)	10
Assignments (minimum two) such as home work, problem solving, group discussions, quiz, literature survey, seminar, term-project, software exercises, etc.	5
Regularity in the class	5

The mark distribution to award internal continuous assessment marks for practical subject should be as follows:

Assessment	Mark
Evaluation in the lab and Rough Record	10
End-semester Test	4
Viva	1
Regularity	5

Note:

1. No candidate will be permitted to attend the end-semester practical examination unless he/she produces certified record of the laboratory.

2. Full credit for regularity in the class can be given only if the candidate has secured minimum 90% attendance in the subject. Attendance evaluation for each course is as follows

Attendance	Marks
90% and Above	5
85 to 89.9%	4
80 to 84.9%	3
76 to 79.9%	2
75 to 75.9 %	1

External

- Semester-End examinations for theory and practical courses will be conducted by the University. There shall be University examinations at the end of each semester for both theory and practical. Failed or improvement candidates will have to appear for the Semester-End examinations along with regular students.
- At the starting of each semester, Colleges should prepare question bank (containing questions from each module of various types mentioned in section 13- pattern of question paper as follows: Section A- minimum of 10 times, Section B- Minimum of 10 times, Section C- Minimum of 5 times and Section D- Minimum of 5 times.) for the external theory/practical examinations for all courses during that semester and will be sent to the university. University will prepare the question papers and answer keys for each course and will sent back to the college for conducting the examination.

- University will appoint a Chairman for each B.Voc Programme. Chairman will monitor the University Practical Examinations and Evaluation of Theory and Practical papers.
- For the evaluation of theory papers, Chairman should form a team consisting of a chief and required additional Examiners for each course.
- At the starting of each semester, Colleges should prepare a panel of External examiners for conducting Practical examinations. Chairman/University will appoint examiners from the panel proposed by colleges.
- Practical Examinations can be conducted and evaluated from the college or the industry partner premises. The team for conducting and evaluating practical exams should include an examiner appointed from the approved panel of faculties, and an internal examiner.
- Head of Institution/ Chief of Examination of the college should take necessary steps to prevent any malpractices in the Semester-End examinations. If any such instances are detected, they should be reported to the University without any delay.
- University will be issuing mark list, provisional/original certificates to the candidates.

Internship and Project

Internship and the major project should be carried out in the industry, not necessarily with industry partner. The major idea for internship is to implement the things learned and to get a real life experience. The Evaluation process follows 100% external assessment (Except for Broadcasting and Journalism).

1. There will be internship/project at the end of 2nd and 4th semesters and an internship for the whole sixth semester.
2. Every student will be assigned an internal guide, allotted from the parent department concerned or an expert available in the college appointed by the principal or the head of the department.
3. The student has to make regular discussions with the guide while choosing the subject/area and throughout the life time of the project.
4. At least three reviews should be conducted to evaluate the progress of work.
5. An evaluation team is constituted for conducting the evaluation. The team consist of external examiner, allotted by the university from the approved examination panel, representative from the industry and a faculty.
6. Students should submit a report of their work. A valid certificate from the organization should be produced as a proof that the work is carried out in the respective organization.

7. Students are required to demonstrate the working model of their work (if possible) to the panel of examiners. A viva will be conducted based on the report and students are supposed to clarify the queries regarding their work.
8. Mark distribution for internship assessment.(Except for Broadcasting and Journalism).

Distribution	Marks
Content and relevance or Dissertation	60
Viva	20
Presentation	20

Minimum for pass

The successful completion of all the courses prescribed for the diploma/degree programme with E grade (40 %) shall be the minimum requirement for the award of diploma/degree.

Notes:

1. For Project/internship, the minimum for a pass shall be 50% of the total marks assigned to the respective examination.
2. A student who does not secure this pass marks in a subject will have to repeat the respective subject.
3. If a candidate has passed all examinations of B.Voc. Course (at the time of publication of results of last semester) except project/internship in the last semester, a re-examination for the same should be conducted within one month after the publication of results. Each candidate should apply for this Save-A-Year examination within one week after the publication of last semester results.

Moderation

- a) Moderation shall be awarded subject to a maximum of 5 % of external total marks to be awarded in Semester.
- b) For a course concerned, the maximum of moderation awarded shall be limited to 10% of the total marks to be awarded for the external course concerned.
- c) If a student fails for a single course, this limit can be enhanced to 15 % of external in the course.
- d) However Board of examiners/B. Voc consortium concerned shall have the liberty to fix low percentage of marks for moderation subjected to the conditions mentioned above.

13. Pattern of Questions for Semester-End Examinations of Theory/Practical Subjects

The question papers of Semester-End examinations of theory subjects shall be able to perform achievement testing of the students in an effective manner. The question paper shall be prepared

- (a) Covering all sections of the course syllabus and total marks from each module should be approximately same.
- (b) Unambiguous and free from any defects/errors
- (c) Emphasizing knowledge testing, problem solving & quantitative methods
- (d) Containing adequate data/other information on the problems assigned
- (e) Having clear and complete instructions to the candidates.

Duration of Semester-End examinations will be 3 hours. The pattern of questions for theory subjects shall be as follows:

Section	Total No of Questions	No. of Questions to be answered	Marks for each question	Total marks
A: Very Short/Objective answer questions	10	10	1	10
B: Short answer questions	12	8	2	16
C: Short Essays	9	6	4	24
D: Essays	4	2	15	30
Total				80

And for Practical,

Marks Distribution	Total marks
Theory/ Algorithm/Flow diagram	20
Implementation	30
Result/Output	10
Record	10
Viva	10
Total	80

14. Credit system

Each subject shall have a certain number of credits assigned to it depending upon the academic load and the nature and importance of the subject. The credit associated with each subject will be shown in the prescribed scheme and syllabi. Each course shall have an integer number of credits, which reflects its weightage.

- a) One Credit would mean equivalent of 15 periods of 60 minutes each, for theory, workshops/IT and tutorials;
- b) For internship/field work, the credit weightage for equivalent hours shall be 50% of that for lectures/workshops;
- c) For self-learning, based on e-content or otherwise, the credit weightage for equivalent hours of study should be 50% or less of that for lectures/workshops.

15. Grading- Indirect Grading System

- Indirect Grading System based on a 7 -point scale is used to evaluate the performance of students.

- Each course is evaluated by assigning marks with a letter grade (A+, A, B, C, D, E or F) to that course by the method of indirect grading.
- An aggregate of E grade with 40 % of marks (after external and internal put together) is required in each course for a pass (Except for project*) and also for awarding a degree/diploma.
- Appearance for Internal Assessment and End Semester Evaluation are compulsory and no grade shall be awarded to a candidate if she/he is absent for Internal Assessment / End Semester Evaluation or both.
- For a pass in each course 40% marks or E grade is necessary. (Except for project*)
- A student who fails to secure a minimum grade for a pass in a course is permitted to write the examination along with the next batch.
- After the successful completion of a semester, Semester Grade Point Average (SGPA) of a student in that semester is calculated using the formula given below. For the successful completion of a semester, a student should pass all courses. However, a student is permitted to move to the next semester irrespective of SGPA obtained.
- SGPA of the student in that semester is calculated using the formula

$$\text{SGPA} = \frac{\text{Sum of the credit points of all courses in a semester}}{\text{Total credits in that semester}}$$

- The Cumulative Grade Point Average (CGPA) of the student is calculated at the end of a programme. The CGPA of a student determines the overall academic level of the student in a programme and is the criterion for ranking the students. CGPA can be calculated by the following

$$\text{CGPA} = \frac{\text{Total credit points obtained in six semesters}}{\text{Total credits acquired (180)}}$$

- SGPA and CGPA shall be rounded off to two decimal places. CGPA determines the broad academic level of the student in a programme and is the index for ranking students (in terms of grade points).
- An overall letter grade (Cumulative Grade) for the entire programme shall be awarded to a student depending on her/his CGPA (See Annexure 4)

Marks scored	Grade	Remarks
90 and Above	A+	Outstanding
80 to 89	A	Excellent
70 to 79	B	Very Good
60 to 69	C	Good
50 to 59	D	Satisfactory
40 to 49	E	Adequate
Below 40	F	Failure

16. Grade Cards

The University shall issue to the students grade/marks card (by online) on completion of each semester, which shall contain the following information:

- Name of University
- Title of B.Voc Programme
- Semester concerned
- Name and Register Number of student
- Code number, Title and Credits of each course opted in the semester
- Internal marks, External marks, total marks, Grade point (G) and Letter grade in each course in the semester
- The total credits, total credit points and SGPA in the semester (corrected to two decimal places)
- Percentage of total marks

The final Grade/mark Card issued at the end of the final semester shall contain the details of all courses taken during the entire programme including those taken over and above the prescribed minimum credits for obtaining the degree. However, as already mentioned, for the computation of CGPA only the best performed courses with maximum grade points alone shall be taken subject to the minimum credits requirements (180) for passing a specific degree. The final grade card shall show the percentage of marks, CGPA (corrected to two decimal places) and the overall letter grade of a student for the entire programme. The final grade/mark card shall also include the grade points and letter grade of general course and skill developmental courses separately. This is to be done in a seven point indirect scale.

17. Attendance

A candidate shall be permitted to appear for the Semester-End examinations only if he/she satisfies the following requirements:

- (a) He/she must secure not less than 75% attendance in the total number of working hours in each semester.
- (b) He/she must earn a progress certificate from the head of the institution stating that he/she has satisfactorily completed the course of study prescribed in the semester as required by these regulations.
- (c) His/her conduct must be satisfactory

It shall be open to the Vice Chancellor to grant condonation of shortage of attendance on the recommendation of the head of the institution in accordance with the following norms.

- The shortage shall not be more than 10%

- Shortage up to 20% shall be condoned once during the entire course provided such shortage is caused by continuous absence on genuine medical grounds.
- Shortage shall not be condoned more than twice during the entire course.
- Candidate who is not eligible for condonation of shortage of attendance shall repeat the semester as per university norms.

18. Registration/Re-registration

Every candidate should register for all subjects of the Semester-End examinations of each semester. A candidate who does not register will not be permitted to attend the Semester-End examinations; he/she shall not be permitted to attend the next semester. A candidate shall be eligible to register for any higher semester, if he/she has satisfactorily completed the course of study and registered for the examination. He/she should register for the semester at the start of the semester before the stipulated date. University will notify the starting and closing dates for each semester.

Rejoining the course

1. Rejoining the course will be allowed to only if the candidate has secured a minimum CGPA of 2.5.2.
2. The candidate should remit the fees prevailing that time.
3. B. Voc governing council will take the decision regarding the re joining.

19. Examination Monitoring Cell

Head of the each institution should formulate an Examination Monitoring Cell at the institution for conducting and supervising all examinations including the internal examinations. The structure and their collective responsibilities will be as per the university norms.

20. Electives

Students are permitted to take elective subjects provided along with the syllabus of the programme.

21. Grievance cell

Each college should setup a Grievance Cell with at least four faculty members to look into grievances of the students, if any.

22. Anti Ragging cell

Head of Institution shall take necessary steps to constitute anti-ragging committee and squad at the commencement of each academic year. The committee and the squad shall take effective steps as specified by the Honorable Supreme Court of India, to prevent ragging.

23. Class Committee

Head of institution shall take necessary steps to form a class committee for each class at the start of classes of each semester. This class committee shall be in existence for the semester concerned. The class committee shall consist of the Head of Department, Staff Advisor of the class, a senior faculty member of the department, a faculty member from another department, and three student representatives (one of them should be a girl).

There should be at least two meetings of the class committee every semester; it shall be the responsibility of the Head of Department to convene these meetings. The decisions of the Class Committee shall be recorded in a register for further reference. Each class committee will communicate its recommendations to the Head of Institution.

The responsibilities of the class committee are:

- (a) To review periodically the progress and conduct of students in the class.
- (b) To discuss any problems concerning any subjects in the semester concerned.
- (c) To identify weaker students of the class and suggest remedial measures.
- (d) To review teaching effectiveness and coverage of syllabus.
- (e) Discuss any other issue related to the students of the class.

24. College Transfer

College transfer is not allowed in any circumstances.

25. B.Voc degree is recognised at par with other U.G Programme approved by University of Calicut.

26. Transitory provision

Notwithstanding anything contained in these regulations, the Vice-Chancellor has the power to provide by order that these regulations shall be applied to any program with such necessary modification.

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Note: * For Project/internship, the minimum for a pass shall be 50% of the total marks assigned to the respective examination

27. Annexure

1. Board of Studies

No	B. Voc Programmes	Affiliated Board of Studies
1	Auto Electricals and Electronics	Electronics (Single Board)
2	Medical Laboratory Technology	Medical Laboratory Technology(Single Board)
3	Software Development	Computer Science & Applications (UG)
4	Software Technology	Computer Science & Applications (UG)
5	Jewellery Designing	Gemmology and Jewellery Designing
6	Gemmology	Gemmology and Jewellery Designing
7	Digital Film Production	Audio Visual Communication(Single Board)
8	Multimedia	Multimedia(Single Board)
9	Broadcasting & Journalism	Journalism (UG)
10	Pharmaceutical Chemistry	Pharmaceutical Chemistry
11	Tourism & Hospitality Management	Hotel Management

Software Technology, Software Development and Digital Film Production

2. Fees Structure

No	B. Voc Programmes	Fees
1	Auto Electricals and Electronics	a) If the course is conducted under Aided stream, equivalent to BSc Computer Science (Aided Stream)
2	Medical Laboratory Technology	
3	Software Development	
4	Software Technology	
5	Jewellery Designing	
6	Gemmology	b) If the course is conducted under Self Finance mode, equivalent to BSc Computer Science (Self Finance Stream)
7	Digital Film Production	
8	Multimedia	
9	Broadcasting & Journalism	
10	Pharmaceutical Chemistry	
11	Tourism&Hospitality Management	

3. Grading & Credit distribution

Evaluation(both internal and external)is carried out using Mark system .The grading on the basis of a total internal and external marks will be indicated for each course and for each semester and for the entire programme, Indirect Grading System in 7 point scale is as below:

To find semester Grade Point Average (SGPA)

SGPA = $\frac{\text{Sum of the credit points of all courses in a semester}}{\text{Total credits in that semester}}$

SGPA = $\frac{C_1G_1 + C_2G_2 + C_3G_3 + \dots}{C_1 + C_2 + \dots}$

Where G1, G2.....are grade points and C1, C2....are credits of different courses of the same semester

Credit point of a semester= SGPA X Credit load of the semester

Seven Point indirect Grading System

% of marks (internal & External)	Grade	Interpretation	Grade point average(G)	Range of grade points	Class
90 and Above	A+	Outstanding	6	5.5-6.0	First class with Distinction
80 to below 90	A	Excellent	5	4.5 – 5.49	
70 to below 80	B	Very Good	4	3.5 – 4.49	First Class
60 to below 70	C	Good	3	2.5 – 3.49	
50 to below 60	D	Satisfactory	2	1.5 – 2.49	Second class
40 to below 50	E	Pass/Adequate	1	0.5 – 1.49	Pass
below 40	F	Failure	0	0.0 – 0.49	Fail

Note: For Project/internship, the minimum for a pass shall be 50% of the total marks assigned to the respective examination.

Example for Credit Calculation (Semester 1)

Cours e code	Cours e name	Mark s Obtai ned	Max Mark s	Credi t (C)	Grad e Point(G)	Credi t Point (C*G)	Grad e	
		Inter nal	Exter nal	Total				
XXX X	XXX X	16	64	80	100	4	5	20
XXX X	XXX X	10	40	50	100	4	2	8
XXX X	XXX X	18	78	96	100	4	6	24
XXX X	XXX X	14	56	70	100	4	4	16
XXX X	XXX X	18	58	76	100	5	4	20
XXX X(P)	XXX X	15	36	51	60	4	5	20
XXX X(P)	XXX X	20	39	59	60	5	6	30

SGPA = Sum of the credit points of all courses in a semester 1

Total credits in that semester

SGPA = 20+8+24+16+20+20+30

30

= 138/30

= 4.6 (A)

Percentage of marks of semester 1 = (482/620) * 100
= 77.74%

Note: The percentage of marks shall be approximated up to two decimal points.

4. Assessment for students (Applicable to Broadcasting & Journalism, Software Technology, and Digital Film Production only)

Sl No	Courses	Internal	External
1	Theory	20	80
2.	Practical	20	80
3.	Internship/Project	20	80

5. Mark Distribution (Sample)

Sem No	Course No	Code	Paper	Credits/ hrs/ week	Marks		
					Internal	External	Total
1	1.1	GEC1EG01	Communication Skills in English	4	20	80	100
	1.2	GEC1MT01	Mathematics I	4	20	80	100
	1.3	GEC1ML01 GEC1AR01 GEC1HD01	Optional Language (Malayalam/Arabic/Hindi)	4	20	80	100
	1.4	SDC1EC01	Fundamentals of computer & Programming in C	4	20	80	100
	1.5	SDC1IT01	Internet programming	5	20	80	100
	1.6	SDC1EC02(P)	Programming in C	4	20	80	100
	1.7	SDC1IT02(P)	Internet Programming lab	5	20	80	100
2	2.1	GEC2EG02	Reading Literature in English	4	20	80	100
	2.2	GEC2MT02	Mathematics II Numerical Methods	4	20	80	100
	2.3	GEC2PH01	Digital fundamentals	4	20	80	100
	2.4	SDC2CS01	Data structures	4	20	80	100
	2.5	SDC2IT03	Programming in Java	5	20	80	100
	2.6	SDC2IT04(P)	Ds through Java	5	20	80	100
	2.7	SDC2IT05(Pr)	Mini Project	4	0	100	100
3	3.1	GEC3EG03	General Informatics	4	20	80	100
	3.2	GEC3MT03	Technical writing skills	4	20	80	100
	3.3	GEC3ES01	Environmental Science	4	20	80	100
	3.4	SDC3IT06	Basic Networking Concepts	4	20	80	100
	3.5	SDC3IT07	Introduction to RDBMS and SQL	5	20	80	100
	3.6	SDC3IT08(P)	Graphics, animation &CADD Lab	4	20	80	100
	3.7	SDC3IT09(P)	Database & Networking Lab	5	20	80	100
4	4.1	GEC4EG04	History and Philosophy of Science	4	20	80	100
	4.2	GEC4MT04	Software Engineering principles	4	20	80	100
	4.3	GEC4HS01	Health & Safety Education	4	20	80	100
	4.4	SDC4IT10	Operating Systems	4	20	80	100
	4.5	SDC4IT11	Advanced Computer Networks	5	20	80	100
	4.6	SDC4IT12(P)	Networking & OS Lab	5	20	80	100
	4.7	SDC4IT13 (Pr)	Project	4	0	100	100
5	5.1	GEC5IM05	Industrial Management	4	20	80	100
	5.2	GEC5IP01	Industrial Psychology and Counselling	4	20	80	100
	5.3	GEC5LS01	Life Skill Education & Presentation Skill	4	20	80	100
	5.4	GEC5ED01	Entrepreneurship Development & HRM	4	20	80	100
	5.5	SDC5IT14	J2ee/dot net/Mobile Software Development using Android	5	20	80	100
	5.6	SDC5IT15	Python Programming and Mobile Web	4	20	80	100
	5.7	SDC5IT16(P)	Android and Python P programming	5	20	80	100
6	6.1	SDC6IT17(P)	Internship and Project(900hrs)	30	0	100	100
Total							3600