

# **SHARNBASVA UNIVERSITY REGULATIONS FOR CHOICE BASED CREDIT SYSTEM (CBCS) FOR THE POST GRADUATE PROGRAMS, 2022 (M.TECH/ MBA/M.A./M.Com/MCA/M.Sc)**

## **1. TITLE AND COMMENCEMENT:**

These Regulations shall be called the “SHARNBASVA UNIVERSITY REGULATIONS FOR CHOICE BASED CREDIT SYSTEM (CBCS) AND CONTINUOUS ASSESSMENT GRADING PATTERN (CAGP) 2022

**FOR M.TECH/MBA/MCA/M.A./M.Com/M.Sc**

These regulations shall come into force from the academic year 2022

## **2. THE FACULTIES:**

The following are the Faculties:

- i) Faculty of Engineering & Technology
- ii) Faculty of Business Studies
- iii) Faculty of Social Sciences
- iv) Faculty of Science and Technology
- v) Faculty of Fine Art and Music
- vi) Faculty of Computer Applications
- vii) Faculty of Languages

## **3. DEFINITIONS OF KEY WORDS:**

- i. “**University**” means the Sharnbasva University, Kalaburagi;
- ii. “**Academic Year**” is divided into three semesters viz; Two main semesters (Odd and Even Semesters) and One supplementary semester.
- iii. “**Semester**” Duration of each main semester will be of 19 weeks and that of a supplementary semester will be of 8 weeks. The activities in each semester shall include: (a) Registration of courses in the first week of semester, dropping the courses in the middle and withdrawal from courses towards the end by the students, under the advice of faculty, (b) Teaching, learning, examination and evaluation.
- iv. “**Choice Based Credit System**” (CBCS) means Choice Based Credit System which provides choice for the students to select from prescribed courses (core, electives and foundation courses);
- vi. “**Credit Based Semester System**” (CBSS) Under the CBSS, the requirement for awarding a degree is prescribed in terms of number of credits to be earned by the students.
- vii. “**Course or Subject**” Usually referred to, as ‘papers’ is a component of a programme. All courses need not carry the same weightage. The courses should define learning objectives and learning outcomes. A course may be designed to comprise lectures / tutorials / laboratory work / field work / outreach activities / final project work / internship training / viva-voce / seminars / term papers / assignments / presentations / self-study etc. or a combination of some of these.

- viii. “**CIE**” and “**SEE**” means respectively the Continuous Internal Evaluation and Semester End Examination of the University.
- ix. “**First Attempt**” referred to a student who has completed all formalities and passed all the heads in SEE in single attempt, shall be considered as first attempt.
- x. “**Convocation**” means the convocation of the University, where the Degrees, Honorary Degrees, Diplomas, Academic Distinctions and Certificates are awarded as per the requirements of the University.
- xi. “**Letter Grade**” means an index of the performance of students in a said course. Grades are denoted by letters O, S, A, B, C, D, E and F.
- xii. “**Grade Point**” means a numerical weight allotted to each letter grade on 10-point scale.
- xiii. “**Credit**” means a unit by which the course is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture) or two hours of tutorial/practical work/field etc., work per week.
- xiv. “**Credit Point**” means the product of grade point and number of credits for a course.
- xv. “**Semester Grade Point Average**” (SGPA): It is a measure of academic performance of student/s in a semester. It is the ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed up to two decimal places.
- xvi. “**Cumulative Grade Point Average**” (CGPA): It is a measure of overall cumulative performance of a student over all semesters. 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 in all the semesters. It is expressed up to two decimal places.
- xvii. “**Programme**” means an educational programme leading to award of a degree certificate.
- xviii. “**Transcript or Grade Card or Certificate**”: Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, number of credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.
- xix. “**Notification**” means the notification of the University.
- xx. “**Degree**” means a degree awarded by the University with or without specialization and/ or Minor;
- xxi. “**Student**” means a person admitted to and pursuing a specified programme of study in the University.
- xxii. “**Teacher**”, “**Course Instructor**” means respectively a faculty appointed for imparting instruction and research guidance to students in the University and the Teacher instructing a Course.
- xxiii. “**HEI**” means Higher Education Institutions.
- xxiv. “**Academic Bank of Credits (ABC)**” the Academic Bank of Credits, is a national-level facility which will promote the flexibility of the curriculum frame

- work and interdisciplinary/multidisciplinary academic mobility of students across the Universities/HEIs in the country with appropriate “credit transfer” mechanism.
- xxv. **“Multiple Entry and Multiple Exit”** The multiple entries and exit points in the academic programs offered at Universities, HEIs would remove rigid boundaries and create new possibilities for students. There are occasions where students have to force to give up their education mid way for several valid reasons. To facilitate flexible learning within the stipulated period, multiple exit and entry options can be provided to the needy students. The multiple entry option is provided to the students at the beginning of odd semester (3<sup>rd</sup> semester) and multiple exit option is provided at the end of even semester (2<sup>nd</sup> semester).
- xxvi. **“OBE”**, means **Outcome Based Education**.
- xxvii. **“AICTE”** means the All India Council for Technical Education.
- xxviii. **“AIU”** means the Association of Indian Universities, New Delhi.
- xxix. **“MHRD or MOE”** means the Ministry of Human Resource and Development or the Ministry of Education.
- xxx. **“Government”** means the Government of Karnataka.
- xxxix. **“UGC”** means the University Grants Commission, New Delhi.

#### Sequencing Plan for M. Tech/MBA/MCA degree curriculum

Semesters	Course Coverage
I	Programme Core and Elective Courses, Self Study, Advanced labs, Projects, and Seminars from referred journals.
II	Programme Core and Elective courses, Open Elective Course, Self Study, Advanced labs, Projects, and Seminars from referred journals.
III/IV	Programme Elective / Open Elective Courses, Advanced Labs and Seminars from referred journals.
IV/IV	Internship

	Final Project: Manufacturable/ Marketable/ Productive/ Usable one  Seminar
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**Credit Structure for Course Work**

Lectures (L) (hrs/Week/Sem)	Tutorial(T)/ Practice (hrs/Week/Sem)	Lab. Work (P)/ Seminar/ Assignments (hrs/Week/Sem)	Credits L:T:P	Credits (Total)
4	0	0	4:0:0	4
3	0	0	3:0:0	3
0	1	2	0:1:1	2
<b>Self Study/Assignments</b>				
4	0	0	-	1

**4. ACADEMIC YEAR:**

- i. The academic year is divided into three semesters viz; **Two main semesters (Odd and Even Semesters) and One supplementary semester (Also called as Summer Semester)**. Duration of each main semester will be of **18** weeks and that of a supplementary semester will be of **8** weeks.
- ii. The activities in each semesters shall include: (a) Registration of courses in the first week of semester, dropping the courses in the middle and withdrawal from courses towards the end by the students, under the advice of faculty, (b) Teaching, learning, examination and evaluation.

**5. SEMESTER SYSTEM AND CHOICE BASED CREDIT SYSTEM:**

- i. Semester wise credit based system shall be followed in each program of study except in the case of certificate and non-degree programs.

- ii. Every course offered shall have four components associated with the teaching-learning process, viz; Lecture -L ,Tutorial -T, Laboratory –P and Self-study-S/ Assignment-A.
- iii. Credits shall be assigned to each course in a programme of study is as follows: L- One hour lecture =One credit ; T- One Hour Tutorial =One credit ; P- Two hours of laboratory /Seminar = One credit ; S- Four hours of Self- study = One credit.
- iv. Each course in a programme of study shall be represented as L-T-P-S-C , where L, T, P, S, and C means respectively, number of lecture hours per week , number of tutorial hours per week , number of laboratory /seminar hours per week , number of self- study hours per week, and the number of credits assigned to the course.
- v. **A course shall have either or all the four components.** Consider the Following example; (1) A course may have only lecture component of 4 hours per week, then it will be represented ,as 4:0:0:0:4 . (2) A course may have 3 hours of lecture and two hours of tutorial, then it will be represented as 3:1:0:0:4. (3) If, the course, has only laboratory component of 3 hours duration and one hour of tutorial, then it will be represented, as 0:1:2:0:2. (4) For Self-Study/ Assignment course of 4 hours duration, then it will be repented as 0:0:0:4:1.
- vi. The number of credits required to be earned for Post Graduate programme shall be calculated at an average of TWENTY credits per main semester. For example, a **two** year Post Graduate programme shall comprise of **four** main semesters and therefore require 80 credits and a **three** year Post Graduate programme shall comprise of **six** main semesters and therefore require 120 credits.  
Note: 10% variation is allowed.
- vii. A full time student shall normally register for a minimum of **18** credits and maximum of **20** credits during main semester, whereas in supplementary semester a maximum of 12 credits.
- viii. Every course in a programme of study normally runs for the full length of a semester.

## 6. ADMISSION:

Admission to the University shall normally be made at the commencement of each academic year for various programmes of study except research programmes. The dates for advertisement, entrance examination, if any, counseling, admission, registration, commencement of classes, and other details for the academic session shall be notified by the Registrar, from time to time.

## 7. ELIGIBILITY FOR ADMISSION:

The Admission of students to various programmes of studies offered by the University shall fulfill the minimum qualifications laid down by the University, GoK, AICTE, UGC and MHRD for the programme of study concerned, subject to Rules of reservation for candidates belonging to SC, ST, and other Backward Classes as laid down by the State Government from time to time.

### Admission Process:

- i. Admission to I year/I semester M.TECH/MBA/M.A./M.Com/MCA/M.Sc professional programmes shall be open to the candidates who have passed the B.E./B.Tech/BA/B.Sc./B.Com/BCA/BBM/BBA/MBBS/BAMS/BHMS etc or Equivalent examination recognized by the University.
- ii. NRI/PIO/FN seeking admission to the above professional programmes shall apply separately with equivalency/eligibility/migration certificate along with passport/visa/clearance/NOC from concerned bodies to the Admission Committee.
- iii. Only after the eligibility is ascertained, a NRI/PIO/FN can appear for the entrance test conducted by the University.
- iv. A candidate seeking admission under the Government Quota shall follow the procedures of the Post Graduate Common Entrance Examination (Such as GATE/KMAT/CAT etc ;) as notified by the Government of Karnataka from time to time.
- v. A candidate seeking admission under the University Quota (Management Quota) shall appear for entrance test conducted by the University by submitting application form and paying the prescribed entrance test fee. However, the students who have cleared tests mentioned in (iv) and possess rank are exempted.
- vi. Admission Committee shall prepare a merit list for each of programme of study subject to a minimum performance criterion in the entrance test as prescribed by the admission committee from time to time, and the percentage of marks obtained in the qualifying examinations as prescribed by Government of Karnataka.
- vii. Merit list as prepared by Admission Committee shall be submitted to the Chancellor for his/her approval.
- viii. The Admission Committee shall notify the list of selected candidates.
- ix. The selected candidates (as per the notification) shall complete the admission process by submitting the requisite forms along with supporting documents, paying the prescribed fees and full filling any other requirements mentioned in the notification.
- x. Candidates who have passed a qualifying examination not conducted by the University shall submit the eligibility and migration certificate in original, for admission to a programme of study.
- xi. Candidate shall be required to submit medical certificate and character certificate from the recognized Doctor and Head of the institution last attended respectively.

#### **8. ATTENDANCE REQUIREMENT:**

- i. Each semester is considered as one unit and the student is required to have a minimum attendance of 85% in each course with a provision of condonation of 10% of attendance by the Vice- Chancellor on the specific recommendation of the Dean of the Faculty of Engineering and Technology, indicating

- reasonable cause such as medical ground participation in University level sports, cultural programs, seminars, workshops, paper presentation, etc.
- ii. The calculation of the attendance shall be based on the number of hours prescribed by the University by its calendar of events. However, for first semester students the same will be reckoned from the date of admission to the course as per PG-CET/the University allotment.
  - iii. The shortage of attendance shall be informed to the students by the Dean/Chairperson/Coordinating Teacher periodically to be cautious and to make up the shortage. In case, a student's class attendance in a course is less than as stipulated by the University, the student is said to have dropped that course and the student has to re-register for the dropped course when the course is offered again by the Department if it is a hard core course. The student may choose the same or any alternate core/elective in case the dropped course is soft core/elective course.
  - iv. Provided that mere omission by the University to inform the student about the shortage of attendance shall not entitle him/her to appear for examination.

## 9. ASSESSMENT AND EVALUATION:

The assessment and evaluation of each student shall comprise of two components viz; Continuous Internal Evaluation (CIE) and Semester End Examination (SEE). Equal weightage shall be given for CIE and SEE.

### 9.1 Continuous Internal Evaluation:

The CIE shall be conducted by the course teacher throughout the semester. The suggested components of CIE for Theory and Laboratory course are as depicted below in Table-I and Table-II respectively.

**Table-I: Suggested components of CIE for Theory**

Sl. No	Components	Marks
1	Internal Test-I*	15
2	Internal Test-II*	15
3	Internal Test-III*	15
4	Session Wise Assignment	20

	Seminar	05
	Library work	05
	Attendance	
	95% - 100%	05
	85% - 94%	04

\*Average of Best Two performances of the Internal Tests shall be considered for 15 Marks.

**Table-II: Suggested components of CIE for Laboratory/Project**

Sl. No	Components	Marks
1	Conduction of experiments / Design and fabrication of the system/ Project	25
2	Evaluation of Lab Report/ Project Report	15
3	Mock Evaluation/ Presentation	10

The suggested components of CIE for Seminar, Internship and Main Project course are as depicted below in Table-III, Table-IV and Table-V respectively.



**Table-III: Suggested components of CIE for Seminar**

<b>Sl. No</b>	<b>Components</b>	<b>Marks</b>
1	Identification of Seminar topic from referred Journals in relevant domain suggested by the guide	20
2	Report on Seminar and Evaluation	40
3	Presentation	40

**Table-IV: Suggested components of CIE for Internship**

<b>Sl. No</b>	<b>Components</b>	<b>Marks</b>
1	Midterm Presentation on Internship	25
2	Report on Internship	25

**Table-V: Suggested components of CIE for Final Project**

<b>Sl. No</b>	<b>Components</b>	<b>Marks</b>
1	Final Project	50

	Literature Survey / Visit to industries / R & D/ Reputed Organizations (Public/Private) to finalize the project topic	
2	a) Design, Testing, Results analysis and Publication b) Presentation c) Thesis Writing/Report writing	30 10 10

**9.1.1 Provision to Drop the Course:**

In case a student secures less percentage of marks as prescribed in the course, the student is said to have **dropped** that course, and such a student is not allowed to write SEE in that course.

A student has to re-register for the **dropped** course when the course is offered again by the department if it is a hard core course. The student may choose the same or an alternate core/elective, in case the dropped course is soft core/elective course.

A student who is said to have dropped the Internship/project work has to re-register for the same subsequently within the stipulated period.

**The details of any dropped course shall not appear in the Grade card.**

**9.1.2 Provision to withdraw course:**

A student can withdraw any course within 10 days from the date of commencement of semester. Whenever a student withdraw a course, he/she has to register for the same course in case it is hard core course, the same course or an alternate course if it is soft core/open elective.

**9.1.3. Provision for Appeal:**

If a student is not satisfied with the evaluation of CIE, he/she can approach the Grievance Reddressal Cell with the written submission together with all the facts, the assignments, test papers etc which were evaluated. This shall be done before the commencement of SEE. The Grievance Reddressal Cell shall look into the details and if necessary take corrective measures.

**9.2 Semester End Examination (SEE):**

- i. A student, who has complied with the minimum specified attendance in a programme, shall register for SEE by paying the prescribed fees. The registration process may be online/offline as notified from time to time by the Registrar Evaluation. The registration of a student shall be liable to be canceled by the office of the Registrar Evaluation where disciplinary issues are raised by the concerned Dean of Faculty.
- ii. After the last date of registration for SEE, the list of students along with their registered courses shall be released by the office of Registrar Evaluation. A student shall verify the accuracy of his/her particulars in the list and discrepancies, if any, shall be reported to office of Registrar Evaluation within Three days from the date of release.
- iii. The office of the Registrar Evaluation shall issue the Admit cards to eligible students based on the SEE list. The Admit card of a student shall be valid only for the SEE for which it is issued. The Admit card of a student shall include (i) recent photograph of the student and (ii) registered courses(Regular as well Back ) for SEE with course/subject codes.
- iv. With the specific approval of the Vice Chancellor/the Chancellor, under extra ordinary circumstances, a student whose name does not find place in the student list may be permitted to appear for SEE. The result of such a student may be announced after due verification.
- v. The Registrar Evaluation shall appoint Chief Superintendent and Deputy Chief Superintendent for the conduct of SEE as per the Time Table notified.

**Theory Examination:** The SEE shall be of three hours duration or as mentioned in the scheme. The evaluation for this component shall be 50% of the maximum marks.

**Laboratory Examination:** The SEE shall be of three hours duration or as mentioned in the scheme and shall comprise of Conduction of experiments / Design and fabrication of the system/ Project. The evaluation for this component shall be 50% of the maximum marks.

The SEE for Laboratory shall be held in batches over several days. There shall be one Internal and one External Examiner and the evaluation shall be based on experimental procedure, write up, Coding, Execution, Demonstration, Result analysis / Graphs if any and Viva-voce.

**Project Examination:** The SEE for the Project shall be evaluated by two examiners jointly and the evaluation shall be based on various components such as, Writing of Abstract, Project report, Oral Presentation, Demonstration and Viva-voce.

**Note:** The distribution of marks for various components shall be made available to the Examiners by the Registrar Evaluation from time to time.

**Question paper pattern:** The question paper for theory courses consist of Five modules. In each module, there are two full questions. The Students are required to answer five full questions selecting one from each module.

**Note:** Some courses which include design, drawing and mandatory courses shall have their own pattern.

**Valuation of Answer Scripts:**

The Registrar Evaluation shall appoint Chief Coordinator and Deputy Chief Coordinator for the evaluation of SEE answer scripts.

The Registrar Evaluation shall notify the guidelines for the evaluation of various subjects.

The answer books of SEE may be coded before issuing for evaluation by the office of the Registrar Evaluation.

- i. There shall be double valuation of theory papers. The theory Answer booklets shall be valued independently by two examiners appointed by the University.
- ii. 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.
- iii. If the difference between the marks awarded by the two Examiners is more than 15 per cent of the maximum marks, the answer booklet 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.

**10. ELIGIBILITY FOR PASSING:**

The CIE and SEE have equal weightage and the student performance is judged by taking into accountns the results of CIE and SEE individually and also combined. The passing standards are as depicted in the Table-VI.

	<b>Passing Standards For P.G.</b>
<b>CIE</b>	$\geq 50\%$ of Maximum marks
<b>SEE</b>	$\geq 40\%$ of Maximum marks
<b>CIE + SEE</b>	$\geq 45\%$ of Maximum marks taken together

The student who passes a course of a semester shall not be allowed to appear for the same again, unless he/she opts for rejection of results as per the following:

- i. A student may, at his/her desire, reject his/her total performance of SEE (including CIE marks) or he/she may reject the performance of SEE only. The rejection is permitted only once during the entire course of study.

- ii. The student who desires to reject the performance as per (i) shall reject performance in all the courses of that semester, irrespective of whether the student has passed or failed in any course. However, the rejection of performance of 4<sup>th</sup> semester final project work shall not be permitted.
- iii. A student who desires to reject the total performance of the semester (including CIE), has to take readmission for the relevant semester. Application for such readmission shall be sent to the Registrar through the Dean of faculty within 30 days from the date of announcement of the results. Late submission of application shall not be accepted for any reasons. Readmission to First semester in such cases shall not be considered as Fresh admission.
- iv. The student, who desires to reject only the results of SEE of a semester and does not desire readmission, shall be permitted to re-appear for examinations of all the courses of the semester in the subsequent examinations. However, the CIE marks obtained by the student in the rejected semester shall be retained. Application for such readmission shall be sent to the Registrar through the Dean of faculty within 30 days from the date of announcement of the result as per the admission notification issued by the University from time to time. Late submission of application shall not be accepted for any reasons.

**Grace Marks:** Grace marks shall be awarded to the students in SEE for passing theory/ Laboratory and / or passing semester as per the following attributes:

- i. Grace marks shall be awarded to theory / laboratory to a maximum of 2% of total SEE marks, if and only if the student clears that theory / laboratory with minimum prescribed marks.
- ii. If a student failed in any one theory / laboratory, he/she is eligible for 3 grace marks, if and only if he/she passes the semester.

A student is granted either i or ii of the above, not both. The granted marks shall be documented in the records but not disclosed in the grade card.

**Make Up Examination:**

The Make Up examination shall be available to students who may have missed to attend the SEE of one or more courses in a semester for valid reasons and given the 'I' grade. The students having 'X' grade shall also be eligible to take up Make Up examination. The Make Up examinations shall be held as per dates notified in the Academic Calendar by notification from time to time. The standard of the Make Up examination shall be same as that of regular SEE for the courses.

**11. ELIGIBILITY REQUIREMENTS FOR PROMOTION TO NEXT ACADEMIC YEAR:**

- i. The candidate is allowed to move from **ODD to EVEN or EVEN to ODD** semester provided he/she has to satisfy the attendance and CIE requirements

### **Carry Over Backlog Courses: For PG Programmes:**

- ii. **From 1<sup>st</sup> semester till 3<sup>rd</sup> semester the student/s who obtains required attendance, CIE and appears for SEE but fails (F Grade) to pass a course/s is allowed to move forward to the next semester (odd/even) irrespective of number of F Grades, including courses absent for SEE. However, for the award of a degree, the student must pass all courses as per applicable schemes and regulations and earn the prescribed credits. This is subject to a permitted maximum duration (4 years).**

#### **Successive Failures:**

- iii. a) If a student fails to pass a Course even after four attempts, that course is deemed to be exempted for him/her. Then, the student may choose a course / courses of his / her choice with the matching number of credits from the pool of courses suggested by the concerned Board of Studies. The courses so selected should not have been studied by the student or to be studied in higher semester/s. The faculty advisor shall guide/advise the student in this regard. The department has to make arrangements for the registration and conduction of CIE for the selected course.
- iv. This provision is given only for two courses (one at a time) during the entire maximum duration of a programme.

### **12. MAXIMUM DURATION FOR PG PROGRAM COMPLETION:**

The student shall complete the PG program of **TWO/ THREE** years within a maximum period of **FOUR/SIX** Academic years from the date of first admission, failing which he/she shall be declared as **Not Fit for Professional Technical Education**.

### **13. Multiple Entry and Multiple Exit Option**

**13.1. ENTRY 1:** (at 1<sup>st</sup> semester) A program of study leading to entry into 1<sup>st</sup> year of the Master's degree is open to those who have met the entrance requirements, including the degree level of education specified in the programme admission regulations at clause no.7.

**13.2. EXIT 1:** The exit option is given to the students at the end of 1<sup>st</sup> year along with a **PG Diploma certificate** mentioning the area of specialization. The student has to complete all academic requirements of 1<sup>st</sup> year and earn requisite credits of 1<sup>st</sup> and 2<sup>nd</sup> semester and also recommended by Academic Council and approved by Board of Management of the university.

**13.3. ENTRY 2: (at 3<sup>rd</sup> semester).** All the 1<sup>st</sup> year students of PG programme eligible for vertical progression to move from one academic year to next academic year as per clause 11(ii).

This option is also open to those who have left after completion of 1<sup>st</sup> year of the program and wants to join back for the continuation of their study, **subject to the condition of maximum duration of 4 years from the date of 1<sup>st</sup> admission.**

**13.4. EXIT 2:** (after 4<sup>th</sup> semester) On successful completion of two years, the relevant degree with research shall be awarded, the student has to complete all academic requirements to complete the two years of the PG program and earned requisite credits of 1<sup>st</sup> to 4<sup>th</sup> semester.

Further student should have completed bridge courses, if any, as applicable is compulsory.

**13.5. The Students who have completed Bachelor's degree with Honors / Research and with CGPA  $\geq$  7.5, the programme duration will be of one year. Maximum duration will be of two years.**

#### **14. TYPES OF COURSES:**

- i. **Programme Core Courses (PCC):** Programme core course is a Core Course in the main programme of study and the students have to study compulsorily. These courses shall be in the range of 25-30% of the total minimum credits for a programme of study.
- ii. **Programme Elective Courses (PEC):** an Programme Elective Course, which can be chosen from a pool of courses, and which may be very specific or specialized or advanced or supportive to the programme of study or which provides an extended scope or which enables an exposure to some other programme of study or nurtures the students proficiency. These courses shall be in the range of 20%-25% of the total minimum credits for a programme of study.
- iii. **(a). Open Elective Course (OEC):** An elective course chosen generally from the other programme of study, with an intention to seek exposure is called an **open elective course**. These courses shall be in the range of 10%-15% of the total minimum credits for a programme of study.  
**(b). Online course (OC):** These include MOOCS, NPTEL, On line courses designed by University etc. These courses shall be in the range of 5%--10% of the total minimum credits for a programme of study.  
**(c). Self-Study Elective Course (SEC):** An elective course designed to acquire an advanced knowledge to support a mini project work or major project work, and a student studies such a course on his own with an advisory support by a teacher is called a **self-study elective course**. These courses shall

be in the range of 1-2% of the total minimum credits for a programme of study.

- iv. **Internship, Research or Seminar and Project Work (PW):** These are intended to enhance the student's practical knowledge and exposure to research and industry. The credits for this category shall be in the range of 20%-- 25% of the total minimum credits for a programme. Major project work shall normally be carried out in regular semesters.

### **Internship:**

The student of PG programme shall undergo Internship of 16 weeks starting immediately after the end of the third semester examinations.

- Each student shall be attached with an internal faculty guide.
- After 8 weeks of Internship, the student is required to make Presentation on the progress of Internship in the concerned department.
- After completion of Internship, the student shall submit the report to the concerned department with the approval of both Internal and External guides ( From the Industry/Organization where the student has carried out Internship)
- There shall be 50 CIE marks comprising of Mid-term presentation and report submission after completion of Internship.
- Viva-voce on Internship shall be conducted at the concerned department and date of Viva-Voce shall be fixed in consultation with the external guide.
- Viva-Voce shall be conducted by both Internal and External guides and jointly evaluate the Internship report for 50 marks. The expenses of the external guide shall be borne by the student
- The internal guide has to visit at least once during the course of Internship. The expenses of the visit has to be borne by the student
- The University shall not provide any kind of financial assistance to any student for Internship and for the conduct of Viva-Voce on the Internship

### **PROJECT WORK:**

Project work of each semesters (excluding final semester) shall be carried out in a group of two / three students.

Each Group shall be attached a Guide (Faculty Member of the Department),

### **Final Project Work**

- Final Project shall be carried out during the III/IV semester of the programme individually by the students and it shall be of 16 week duration.
- Each student shall be attached with a Guide (Faculty Member of the Department).
- The student in consultation with the Guide shall carry out literature survey/visit industry/ R&D/ Reputed Organizations (public/private) to finalize the topic of the project.



- Every Student shall submit a report on project survey and present a seminar before the review committee comprising of Chairman of the program, One senior faculty and the Guide.
- The student shall be permitted to register for Final Project only after successful presentation of seminar before the review committee.
- Before submitting the final Thesis/Report, the work shall be evaluated by a review committee.
- It is mandatory to Publish / Present a paper on the project in the reputed International / National Journals / Conferences at National level.
- Viva-Voce exam shall be conducted only if the student has completed all the prescribed courses of the previous semesters.

**Seminar:**

Each student shall be attached with an internal faculty guide.

The student shall choose seminar topic on the emerging area from referred Journals only.

The student shall present his/her seminar before a committee comprising of Chairman of the Program, One senior faculty and the Guide.

- v. **Audit Courses:** A student may be permitted to take any number of audit courses and above the graduation requirements for learning a subject.

**Certain Programme** of study may have additional requirements such as apprenticeship and residency.

**15. GRADING PATTERN:**

- i. The **SHARNBASVA UNIVERSITY** adopts absolute grading system wherein the marks are converted to grades and every *semester* results shall be given with *semester grade point average* (SGPA) and Cumulative Grade Point Average (CGPA).
- ii. The Grading pattern shall have the letter grade and grade points, as per the following table:

**Grades and Grade Points**

Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Poor	Fail
Letter Grade	O	S	A	B	C	D	E	F
Grade Points	10	9	8	7	6	5	4	00

- iii. A student shall be awarded Grade F if he/she either fails in the course or is absent for the SEE of that course and the student shall be required to reappear for the semester end examination. If the course is laboratory/practical component, the student shall re-appear both CIE and SEE. Absenting in any one or both of them shall result in award of F Grade.

### Grade Point Scale

Level	Outstanding	Excellent	Very Good	Good	Above Average	Average	Poor	Fail
Letter Grade	O	S	A	B	C	D	E	F
Grade Points	10	9	8	7	6	5	4	00
Score (marks)	$\geq 90$	$< 90$	$< 80$	$< 70$	$< 60$	$< 55$	$< 50$	$< 45$
Range (%)		$\geq 80$	$\geq 70$	$\geq 60$	$\geq 55$	$\geq 50$	$\geq 45$	

### If the student scores

- iv. W , X and I Grades:

**W Grade** shall be awarded to a student who has withdrawn from a course before the prescribed date in a semester under faculty advice. Further, the “W” grade shall be recorded in the grade card. A student with “W” grade must re-register for the course as and when the course is being offered in a subsequent semester and fulfill the passing standards. The “W” grade shall

be converted to one of the other letter grades (O to F). “W” grade is not awarded in supplementary semester.

**X Grade** shall be awarded to a student whose attendance is satisfactory and CIE rating ( $\geq 60\%$ ) in a course, but SEE performance observed to be poor, for such course X grade shall be awarded provided the student makes an appeal to the Vice-Chancellor in writing through the Dean/ Chairman of the programme within 4 days after the announcement of result. The student shall be provided with an opportunity in the Make-Up examination; however the grades (‘B’ to ‘O’) will be reduced to the next lower grade and the other grades remains same. If the student does not appear for the make up SEE after the registration the X grade shall be converted to an F grade. The X grade is not awarded at Make Up examination or in supplementary semester examination.

**I Grade** shall be awarded temporarily to a student who is unable to appear for SEE for one or more courses, with the permission of the Vice-Chancellor in response to a written appeal ( Through the Concerned Dean/ Chairman of the programme immediately or within 4 days from the date of completion of said examination) by the student, due to valid reasons such as medical emergency, calamity in the family or any other valid reason. For such a student, the I grade shall be converted in to one of the other letter grades as in the table after the completion of scheduled make up SEE. If the student does not appear to the make-up SEE, the I grade shall be converted to an F grade.

- v. **AP and AF Grades:** A student shall be awarded either an **Audit Pass (AP)** or **Audit Fail (AF)** grade for an audit course. The Audit Pass (*AP*) grade shall be awarded if the student satisfies the attendance and performance criteria specified for the course by the concerned Faculty. Otherwise, an *AF* grade shall be awarded.
- vi. **COMPUTATION OF SGPA and CGPA:**  
The **SGPA** is the ratio of sum of the product of the number of credits with grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e

$$\text{SGPA}(S_i) = \frac{\sum (C_i * G_i)}{\sum C_i}$$

Where  $C_i$  is the number of credits of the  $i^{\text{th}}$  course and  $G_i$  is the grade point scored by the student in the  $i^{\text{th}}$  course.

The **CGPA** is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a program. ,

$$\text{i.e CGPA} = \frac{\sum (C_i * S_i)}{\sum C_i}$$

Where  $S_i$  is the **SGPA** of the  $i^{\text{th}}$  semester and  $C_i$  is the total number of credits in that semester.

The **SGPA** & **CGPA** shall be rounded off to 2 decimal places and reported in the transcripts.

**Illustration of Computation of SGPA and Format for Transcripts**

**Computation of SGPA**

**Illustration No. 1**

Course	Credit (C)	Letter Grade	Grade point (G)	Credit point (C X G)
Course 1	4	A	8	4X8=32
Course 2	4	C	6	4X6=24
Course 3	4	B	7	4X7=28
Course 4	3	O	10	3X10=30
Course 5	3	D	5	3X5=15
Course 6	1	C	6	1X6=06
Course 7	1	S	9	1X9=9
	20			144

Thus.  $SGPA = 144/20 = 7.2$

**Illustration No. 2**

Course	Credit (C)	Letter Grade	Grade point	Credit point
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			(G)	(C X G)
Course 1	4	A	8	4X8=32
Course 2	4	C	6	4X6=24
Course 3	4	B	7	4X7=28
Course 4	3	O	10	3X10=30
Course 5	3	F	0	3X0=0
Course 6	1	C	6	1X6=06
Course 7	1	S	9	1X9=9
	20			129

Thus.  $SGPA=129/20= 6.45$

**Illustration No. 2(A)**

Course	Credit (C)	Letter Grade	Grade point (G)	Credit point (C X G)
Course 5	3	B	7	3X7=21
	20			(First Attempt=129+Subsequent Attempt =21 )=150

Thus.  $SGPA=150/20= 7.5$

**Illustration No. 3**

<b>Course</b>	<b>Credit (C)</b>	<b>Letter Grade</b>	<b>Grade point (G)</b>	<b>Credit point (C X G)</b>
<b>Course 1</b>	<b>4</b>	<b>A</b>	<b>8</b>	<b>4X8=32</b>
<b>Course 2</b>	<b>4</b>	<b>C</b>	<b>6</b>	<b>4X6=24</b>
<b>Course 3</b>	<b>4</b>	<b>B</b>	<b>7</b>	<b>4X7=28</b>
<b>Course 4</b>	<b>3</b>	<b>O</b>	<b>10</b>	<b>3X10=30</b>
<b>Course 5</b>	<b>3</b>	<b>S</b>	<b>9</b>	<b>3X9=27</b>
<b>Course 6</b>	<b>1</b>	<b>C</b>	<b>6</b>	<b>1X6=06</b>
<b>Course 7</b>	<b>1</b>	<b>S</b>	<b>9</b>	<b>1X9=9</b>
	<b>20</b>			<b>156</b>

**Thus. SGPA=156/20= 7.8**

**CGPA for Illustration No. 2 and Illustration No. 3 as below:**

**CGPA= (20X7.5+20X7.8)/40 =7.65**

**CGPA after Final Semester**

<b>Semester 1</b>	<b>Semester 2</b>	<b>Semester 3</b>	<b>Semester 4</b>

<b>Credit</b>	<b>Credit</b>	<b>Credit</b>	<b>Credit</b>
<b>: 20</b>	<b>: 20</b>	<b>: 20</b>	<b>: 20</b>
<b>SGPA:</b>	<b>SGPA:</b>	<b>SGPA:</b>	<b>SGPA:</b>
<b>7</b>	<b>8.5</b>	<b>9.2</b>	<b>6.86</b>

Thus,

$$\text{CGPA} = (20 \times 7 + 20 \times 8.5 + 20 \times 9.2 + 20 \times 6.86) / 80 = 7.89$$

Transcript:

**CONVERSION OF GRADES INTO PERCENTAGE:**

Conversion of GPA into Percentage is given below

$$\text{Percentage of Marks} = (\text{CGPA Earned}) * 10$$

**CLASS/DIVISION DECLARATION:**

<b>Equivalent Percentage</b>	<b>Class</b>
<b>&gt;= 70%</b>	<b>First Class with Distinction</b>
<b>60% &lt;= % &lt; 70%</b>	<b>First Class</b>
<b>50% &lt;= % &lt; 60%</b>	<b>Second Class</b>
<b>45% &lt;= % &lt; 50%</b>	<b>Pass Class</b>
<b>&lt; 45%</b>	<b>Fail</b>

## **15 AWARD OF PG DEGREE:**

(a). Students shall be declared to have completed the Program of Post Graduate Degree and is eligible for the award of degree provided the students have undergone the stipulated Course work of all the semesters under the Scheme of Teaching and Examinations and have earned the prescribed number of credits within the permitted maximum duration.

(b) For the award of degree, completion of bridge courses, mandatory audit course/ courses if any, as applicable is compulsory.

## **16 AWARD OF PRIZES, MEDALS AND RANKS:**

All these awards will be in two broad groups

2. All Co-Education Programmes and

3. All Exclusively for Women Programme.

- i. 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.
- ii. For award of rank in a specialization of M.TECH/MBA/M.Sc/MCA/M.A. etc; the CGPA secured by the student from I to IV for TWO years PG and I to VI semester is considered, for THREE years PG of all semesters CGPA shall be considered.
- iii. A student shall eligible for a rank at the time of award of the degree of Master of Technology/MBA/M.Sc/MCA/M.A etc, provided the student:
  - a. Has passed I to IV OR I to VI semester in all courses in first attempt only in case of candidate admitted to I year.
  - b. Has passed III to VI semester in all courses in first attempt only in case of candidate admitted under lateral entry scheme.
  - c. Has completed all the prescribed Audit/mandatory courses.
  - d. Is not repeated in any semester because of rejection of result of a semester/ shortage of attendance etc.
  - e. Has completed all the semester without any break/discontinuity.
  - f. Has completed all the semesters in the University.
  - g. Has not been transferred from any autonomous institution or from any other University to the Sharnbasva University.
- iv. Total number of ranks awarded shall be 10% of the total number of students appeared in final semester subject to the maximum of 10 ranks in a specialization.
- v. For award the rank in specialization, a minimum of 10 students should have appeared in the final semester examination.

### **Illustration.**



- a. If 1228 students appeared for the VIII semester in Electronics and Communication Engineering Programme, the number of ranks to be awarded for Electronics and Communication Engineering shall be 10.
- b. If 90 students appeared for the VIII semester in Biomedical Engineering, the number of ranks to be awarded for Biomedical Engineering will be 9.
  
- vi. If 10 or less students appeared for the final semester of any degree, the number of ranks shall be awarded is one.
- vii. In case of fraction number of ranks, it is rounded to higher integer when the first decimal place value is greater than or equal to 5.
- viii. Ranks are awarded based on the merit of the students as determined CGPA. If two or more students get the same CGPA, the tie shall be resolved by considering the number of times student has obtained higher SGPA. If it is not resolved even at this stage, the number of times student has obtained higher grades like S, A, B, etc., shall be taken into account to decide the order of the rank.

**17 APPLICABILITY AND POWER TO MODIFY:**

- i. The regulations governing the degree of Bachelor of Engineering / Technology of SUK shall be binding on all concerned.
- ii. Notwithstanding anything contained in the foregoing the university shall have the power to issue directions /orders to address any difficulty.
- iii. 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.