

ORDINANCE No. -.....95

for

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

**Under National Education Policy-2020**

**Governing the award for the Degree of Bachelor of Technology (B.Tech.) Honors/Research  
with Multiple Entry and Exit Options**

(Ordinance prepared as per the provisions given in Statute 28(1) (b) of  
The Central Universities Act, 2009)

## 1.0 TITLE AND COMMENCEMENT

- 1.1 The Ordinance shall be called as Ordinance for B.Tech. Degree programme with Honors/Research with multiple entry and exit options.
- 1.2 The one-year (two semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) undergraduate certificate course, two years (four semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) undergraduate diploma course, three years (six semester + 10 credits of NSQF complaint skill based courses lasting two month, including at least 6 credits job specific internship/ apprenticeship) bachelor of vocational education and four years (Eight Semester) B.Tech. Degree/Honors/Research, shall be designated as 'Bachelor of Technology /Bachelor of Technology Honors/Bachelor of Technology Research' in respective Branches. The performance evaluations of these programmes are on the basis of credits system as well as percentage of marks earned.
- 1.3 This ordinance will come into force from the academic session commencing after the date of notification issued by the University.

## 2.0 DEFINITION & KEY WORDS

- 2.1 "*Vishwavidyalaya*" or "*University*" means Guru Ghasidas Vishwavidyalaya (A Central University established by the Central Universities Act, 2009 No. 25 of 2009) located at Koni, Bilaspur, Chhattisgarh.
- 2.2 "*Student*" means one who has been admitted in the four years B.Tech. programme of this University through merit list of Joint Entrance Examination (JEE) (main) or any other

procedure decided by Guru Ghasidas Vishwavidyalaya for Admission to B. Tech. degree course time to time.

- 2.3** The candidate shall be eligible for admission on the basis of the “*Academic Year*” means two consecutive (one odd and one even) semesters.
- 2.4** “*Choice Based Credits System (CBCS)*” means a program that provides choice for students to select from the prescribed courses (Basic Science, Humanities, Engineering Science, Mandatory Courses, Professional Core, Professional Elective, Open Elective, etc.) as per the guidelines issued by UGC / AICTE / regulatory bodies where ever applicable and as approved by the appropriate bodies of the University.
- 2.5** “*Course*” means “papers” through different modes of delivery and is a component of a programme as detailed out in the respective program structure.
- 2.6** “*Credits Point*” means the product of grade point and number of credits for a course.
- 2.7** “*Credits*” means a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture, seminar or tutorial) per week or two hours of practical work/field work/project etc. per week. The number of credits for each course shall be defined in the respective examination scheme.
- 2.8** “*Cumulative Grade Point Average (CGPA)*” means a measure of overall cumulative performance of a student in all semesters. The CGPA is the ratio of total credits points secured by a student in various courses registered up to the semester concerned and the sum of the total credit points of all the registered courses in those semesters concerned. It is expressed up to two decimal places.
- 2.9** “*Grade Point*” means a numerical weight allotted to each letter grade on a 10-point scale or as prescribed by the AICTE/ University from time to time.
- 2.10** “*Letter Grade*” means an index of the performance of students in a course. Grades are denoted by letters O, A+, A, B+, B, C, P, and F.
- 2.11** “*Semester Grade Point Average (SGPA)*” means a measure of performance of a student in a particular semester. It is the ratio of total credits points secured by a student in various courses registered in a semester and the total credits of all courses in that semester. It shall be expressed up to two decimal places.

- 2.12 “*Semester*” means an academic session spread over 14-20 weeks of teaching work. The odd semester may normally be scheduled from July to December and even semester from January to June.
- 2.13 “*Grade Card*” means a certificate based on the grades earned. Grade card shall be issued to all the students registered for the examination after every semester. The grade card will contain the course details (code, title, number of credits, grade secured) along with SGPA of the semester and CGPA earned till that semester. The final semester grade card shall also reflect the cumulative total of marks obtained by the student in all semesters out of maximum marks allocated for which the grades of the program were evaluated. However, the final result will be based on the grades/CGPA.
- 2.14 “*Transcript*” means a certificate issued to all enrolled students in a program after successful completion of the program. It contains the SGPA of all semesters and the CGPA.
- 2.15 “*NEP*” means National Education Policy-2020.
- 2.16 “*NSQF*” means national skills qualifications framework defined in NEP-2020.
- 2.17 “*NHEQF*” national higher education qualification framework defined in NEP-2020.
- 2.18 “*UCF*” means unified credits level defined in NEP-2020.
- 2.19 “*Undergraduate certificate course*” means students who completed the requirement of NHEQF level 5/ UCF level 4.5.
- 2.20 “*Undergraduate diploma course*” means students who completed the requirement of NHEQF level 6 / UCF level 5.
- 2.21 “*Bachelor of vocational education*” means students who completed the requirement of NHEQF level 7 / UCF level 5.5.
- 2.22 “*Bachelor of technology (B.Tech.)*” means students who completed the requirement of NHEQF level 8 / UCF level 6.
- 2.23 “*Course Registration*” refers to the formal registration to courses of study in every semester by every student under the supervision of a faculty advisor (also called mentor, counsellor, class teacher, etc.), in the institution to maintain the proper record. registration to the University portal is mandatory.

- 2.24 “*Course Evaluation*” represents the measurement of the impact of the teaching-learning process and offers an opportunity for improving the quality of learning in courses and teaching performance. Courses evaluation is done by adopting different methods such as tests, quizzes, assignments, etc., during the teaching-learning period at the end of some modules or chapters of syllabus contents and at the end of the semester. While the former part of the evaluation is called the continuous internal assessment (CIA) and the later part of the evaluation is called semester end assessment (SEA).
- 2.25 “*CIA also known as formative assessment*” refers to the evaluation of students’ performance in the course during the teaching-learning process. CIA shall be done by the faculty teaching course and evaluation components may include tests, assignments, group discussion, quizzes, course-specific projects, seminars and attendance etc., conducted during the semester with a weightage for different activities as specified by the School / University.
- 2.26 “*SEA also called summative assessment*” refers to the examinations conducted by the University covering the entire course syllabus. For this purpose, Syllabi shall be modularized, and SEA questions shall be set from each module as specified by the School /University.
- 2.27 “*Academic bank of credits (ABC)*” refers to the ABC, is a national-level facility which will promote the flexibility of the curriculum framework and interdisciplinary/multidisciplinary academic mobility of students across the higher education institutions (HEIs) in the country with appropriate “credits transfer” mechanism.
- 2.28 “*Multiple Entry and Exit*” means the multiple entries and exit points in the academic programs offered at HEIs would remove rigid boundaries and create new possibilities for students. There are occasions when learners have to give up their education mid-way for various reasons. To facilitate flexible learning within the stipulated period (08 years for regular students and 06 years for lateral entry students), multiple exit and entry options are given to the needy students. The student can exit from the program only at the end of the even semester/s (2nd, 4th, and 6th semester) and the entry option is provided to the students at the beginning of the odd semester/s (3rd, 5<sup>th</sup> and 7<sup>th</sup> semester).

### 3.0 DURATION

The duration of undergraduate (U.G.) degree programmes leading to B. Tech. degree, shall be normally four years and the maximum duration shall be 8 years from the date of initial registration in First year B.Tech. course. If a candidate will not be able to complete the course in the maximum

duration of 8 years, then he / she will not be eligible to continue the course from that point of time itself and he/she will automatically exit from the program.

#### 4.0 ADMISSION PROCEDURE AND ELIGIBILITY

The minimum qualification for admission to the first year B. Tech. shall be the passing of Higher Secondary School Certificate Examination (10+2) scheme with Physics, Chemistry and Mathematics or any other subjects notified by the AICTE conducted by Central Board of Secondary Education or any other equivalent examination from recognized Board or University. The candidate shall be eligible for admission on the basis of the merit list of Joint Entrance Examination (JEE) (main) or any other procedure decided by Guru Ghasidas Vishwavidyalaya for Admission to B. Tech. degree course time to time. In general, the admission to B.Tech. degree course shall be governed by the rules of, Ministry of Education (MoE), Government of India (GoI) and Guru Ghasidas Vishwavidyalaya.

Admission to 2<sup>nd</sup> year eligibility for candidates who have passed a 3-years Diploma in Engineering recognized by the AICTE / State University (or) Equivalent Vocational / Technical Program / Under Graduate Certificate with NHEQF level 5 / UCF level 4.5 in the respective discipline for admission to 3<sup>rd</sup> semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time.

Admission to 3<sup>rd</sup> year eligibility for candidates with 10+4 /12+2 in appropriate domain with NSQF level 6 / Under Graduate Diploma with UCF level 5 completed in the respective discipline for admission to 5<sup>th</sup> semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time

Admission to 4<sup>th</sup> year eligibility for candidates with Bachelor degree in Vocational in appropriate domain with NHEQF level 7/ UCF level 5.5 completed in the respective discipline for admission to 7<sup>th</sup> semester B.Tech., degree program against the vacant seats. However, the candidate shall be eligible for admission on the basis of the entrance examination conducted by the Guru Ghasidas

Vishwavidyalaya or any other procedure decided by Guru Ghasidas Vishwavidyalaya for admission to B. Tech. degree course time to time.

With regard to the qualification earned from foreign countries, an equivalence certificate from the University/ Association of Indian Universities is mandatory for admission to B.Tech. Programs. In case of any dispute about the equivalence in qualification earned from foreign countries, the decision of the University in this regard shall be final and binding on all concerned.

The reservations in admission, cancellation of admission and fee refund will be as per AICTE/MoE/GoI/GGV norms and notifications issued in this regard from time to time.

#### **4.1 Eligibility for Under Graduate Certificate**

- (a) The Under Graduate Certificate course will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Under Graduate Certificate, the candidate who wants to exit after completing one-year (two semester) B.Tech. degree with 10 credits of skill-based courses lasting two month, including at least 6 credits job specific internship/apprenticeship with NHEQF level 5 / UCF level 4.5.
- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Under Graduate Certificate.

#### **4.2 Eligibility for Under Graduate Diploma**

- (a) The Under Graduate Diploma will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Under Graduate Diploma, the candidate who wants to exit after completing Two-year (Four semester) B. Tech. degree with 10 credits of skill-based courses lasting two months, including at least 6 credits job specific internship/ apprenticeship with NHEQF level 6 / UCF level 5.
- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Under Graduate Diploma.

#### **4.3 Eligibility for Bachelor of Vocational Education**

- (a) The Bachelor of Vocational Education will be offered by all departments of SoS Engineering and Technology GGV.
- (b) For applicability of Bachelor of Vocational Education, the candidate who wants to exit after completing Three-year (Six semesters) B. Tech degree with 10 credits of skill-based courses

lasting two months, including at least 6 credits job specific internship/ apprenticeship with NHEQF level 7 / UCF level 5.5.

- (c) A student shall report the concerned Head on or before the date notified by the Department /School/University, if he/she is interested to exit with Bachelor of Vocational Education.

#### **4.4 Eligibility for B.Tech. with Honors / Research**

##### **4.4.1 Eligibility for Honors degree**

- (a) The Honors degree will be offered by all departments of SoS Engineering and Technology GGV.
- (b) The allotment of seat into Honors degree is based on the percentage of marks or CGPA obtained in the B.Tech. degree programme. Percentage of marks shall be taken up to 4<sup>th</sup> semester.
- (c) A student shall report the concerned Head, if he/she is not interested to pursue/continue the Honors degree programme.
- (d) The students pursuing a B.Tech. degree programme can register for Honors degree offering from the same department.
- (e) Students registering for Honors degree shall select the subjects from same branches/department based on the recommendations of BOS committee. For example, if a student pursuing regular B.Tech. degree in Electronics & Communication Engineering shall the selects subjects in Electronics & Communication Engineering only and he/she will get B.Tech. Honors degree in Electronics & Communication Engineering.
- (f) Only those students, who have a CGPA of 7.5 or above, without any backlog, will be permitted to register for an Honors degree.
- (g) SGPA or CGPA in excess of 7.5 has to be maintained in the subsequent semesters in B.Tech. as well as Research degree without any backlogs in order to keep the Research degree registration active.
- (h) If a student failed in any registered course of the Honors, he/she shall not be eligible to continue the B. Tech Honors. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered to calculate the CGPA.
- (i) Separate SGPA/CGPA shall be shown on semester and final transcripts of B. Tech Honors.
- (j) The students shall complete Honors degree without supplementary appearance within stipulated period as notified by The University for the completion of B. Tech. programme.

- (k) Honors degree shall not be awarded at any circumstances without completing the B. Tech. programme in which a student got admitted.
- (l) If a student is detained due to lack of attendance, he/she shall not be permitted to register the courses for Honors degree.
- (m) The subjects completed under Honors degree programme shall not be considered as equivalent subjects in case the student fails to complete the B.Tech. degree programme.
- (n) For applicability of Honors degree, both B Tech and Honors degree courses shall be successfully completed with specified SGPA/GCPA.

#### **4.4.2 Eligibility for Research degree**

- (a) The Research degree will be offered by all departments of SoS Engineering and Technology GGV.
- (b) The allotment of seat into Research degree is based on the percentage of marks or CGPA obtained in the B.Tech. degree programme. Percentage of marks shall be taken up to 4<sup>th</sup> semester.
- (c) A student shall report the concerned Head, if he/she is not interested to pursue/continue the Research degree programme.
- (d) The students pursuing a B.Tech. degree programme can register for Research degree offering from the same department.
- (e) Students registering for Research degree shall select the subjects from same branches/department based on the recommendations of BOS committee. For example, if a student pursuing B.Tech. degree in Electronics & Communication Engineering shall the selects subjects in Electronics & Communication Engineering only and he/she will get B.Tech. Research degree in Electronics & Communication Engineering.
- (f) Only those students, who have a CGPA of 7.5 or above, without any backlog, will be permitted to register for a Research degree.
- (g) SGPA or CGPA in excess of 7.5 has to be maintained in the subsequent semesters in B.Tech. as well as Honors degree without any backlogs in order to keep the Honors degree registration active.
- (h) If a student failed in any registered course of the Research, he/she shall not be eligible to continue the B. Tech Research. However, the additional credits and grades thus far earned by the student shall be included in the grade card but shall not be considered to calculate the CGPA.



- (i) Separate SGPA/CGPA shall be shown on semester and final transcripts of B. Tech. Research.
- (j) The students shall complete Research degree without supplementary appearance within stipulated period as notified by the University for the completion of B. Tech. programme.
- (k) Research degree shall not be awarded at any circumstances without completing the B. Tech. programme in which a student got admitted.
- (l) If a student is detained due to lack of attendance, he/she shall not be permitted to register the courses for Research degree.
- (m) The subjects completed under Research degree programme shall not be considered as equivalent subjects in case the student fails to complete the B.Tech. degree programme.
- (n) For applicability of Research degree, B. Tech. Research degree courses shall be successfully completed with specified SGPA/GCPA.

## **5.0 ENROLLMENT IN THE UNIVERSITY**

Every student admitted to the programme shall be enrolled before appearing in the first semester examination through the procedure prescribed by the competent authority from time to time.

## **6.0 TYPES OF COURSES**

Basic Science, Humanities, Engineering Science, Mandatory Courses, Professional Core, Open Elective, Professional Elective, Research Elective etc. as per the guidelines issued by AICTE / University where ever applicable and as approved by the appropriate bodies of the University.

## **7.0 ATTENDANCE AND ELIGIBILITY TO APPEAR IN THE EXAMINATION**

A Student shall be required to attend at least 75% of the classes actually held in the semester which may include theory class, seminars, practicals, projects, as may be prescribed. Provided that the Dean of the School of Engineering and Technology on the recommendations of the concerned Head of the Department may condone the shortage in attendance of those students who have secured at least 65% attendance. This condonation should not exceed 10% on the following satisfactory grounds;

- (a) Illness / Medical leave of the student certified by the University Medical Officer / Government Doctor.
- (b) Unforeseen mis happening with parents.
- (c) For participating in the extra and co-curricular events with prior approval from the university authority.

- (d) For participating in the sports activity with prior approval from the university authority.
- (e) For attending interviews with valid proof and prior permission of the concerned head of department.
- (f) Natural calamities.

The application must be supported by such documents as considered to be fit for granting such condonation.

7.1. A student who does not satisfy the requirement of attendance as per clause above, he/she will be detained due to shortage of attendance in a particular semester and he/she will have to repeat the same semester taking re-admission as a student in the next commencing academic session by paying fee as per the University norms.

## 8.0 EXTRA ORDINARY LONG ABSENCE

If a student does not participate in the academic activities of the School of Studies of Engineering and Technology of this Vishwavidyalaya for a period exceeding two years for reasons of ill health or medical grounds only, he / she shall neither be permitted to appear in any subsequent examinations nor shall be admitted or promoted to any semester and he / she shall cease to be a student of B. Tech. Degree Course. Here participation in academic activity means attending Lectures, Tutorials, Practicals and such other activities declared as academic activities.

## 9.0 MEDIUM OF INSTRUCTION/EXAMINATION

Medium of instruction and examination shall be in English only.

## 10.0 EXAMINATION AND EVALUATION

- 10.1 **Practical Work** – The student shall be required to complete the Laboratory / Drawing / Design / Job preparation and other academic work assigned for that semester in the session.
- 10.2 There shall be a Semester End Assessment (SEA) at the end of each semester consisting of theory papers and practicals.
- 10.3 There shall be one SEA at the end of each semester conducted by Guru Ghasidas Vishwavidyalaya. Only those students, who will satisfy the attendance requirement to be eligible to appear at the SEA as per clause 7.0, will be permitted to appear in the SEA. The examination will consist of theory papers, laboratory practical and viva-voce as per the scheme of examination of that semester. These examinations shall be designated as follows.

- (a) During First year - I & II sem. B. Tech. Examination
- (b) During Second year - III & IV sem. B. Tech Examination
- (c) During Third year - V & VI sem. B.Tech./B.Tech. Honors/ B.Tech. Research Examination
- (d) During Fourth year - VII & VIII sem. B.Tech./B.Tech. Honors/ B.Tech. Research Examination

**10.4** The SEA will normally be held in the month of November-December and April – May in every academic session, or as decided by the University from time to time.

**10.5** Supplementary examination will be held only once in a year (for both even and odd semesters) normally in the month of June/July or as decided by the University from time to time.

**10.6** SEA time table shall be declared by the Controller of Examination before the commencement of examination.

**10.7 Basis of Subjects Evaluation**

**10.7.1** For passing in a subject (theory / practical) the performance of the candidate in each semester shall be evaluated subject wise. There shall be continuous assessment throughout the semester by conducting class tests / assignments/quiz test/ attendance, called as Continuous Internal Assessment (CIA) carrying 40% weightage, and end semester examination called Semester End Assessment (SEA) carrying 60% weightage. A student has to secure minimum 35% in the particular theory subject and minimum 40% marks in a particular practical subject to pass that subject in the SEA. For each practical subject 50% weightage will be given to the actual practicals performed during the semester CIA and 50% weightage will be given to the end semester examination.

**10.7.2** For evaluation of SEA practical examination of a subject, there shall be two examiners, one internal examiner who has conducted the practical in that semester and other external examiner to be appointed by the Head of the Department from the faculty amongst faculty members of the school /department concerned.

**10.7.3** To allot the marks of CIA, there shall be two Class Tests (CT) I & II each of 15 marks, 05 marks for assignments, surprise test, quiz test etc. and 05 marks for attendance. The distribution of marks for attendance is as below.

Percentage of attendance	> 75 - ≤ 80	>80- ≤ 85	>85- ≤ 90	>90- ≤ 95	>95- ≤ 100
Marks	1	2	3	4	5

**10.7.4** If a student fails to appear in the CIA of a semester due to unforeseen incident, a makeup test/examination may be conducted, if required, strictly on the recommendation of the concerned Head of the Department, and approval of the Dean (Engineering and Technology).

**10.7.5** For passing a subject the student is required to fulfill the following conditions:

- (a) Must have secured minimum 40% marks (CIA+SEA) for each theory /practical subject.
- (b) Must have scored minimum SGPA of 5.0 in the semester. If a student has cleared all the Theory and Practical subjects of one or and both semesters of a year, but has failed to secure SGPA of 5.0 in the semester or and semesters of a year then he/she will be allowed to re-appear in the supplementary examination in those subjects in which the student's Grade Points less than 5. If the student fails to secure SGPA of 5.0 even in the supplementary examination, he/she will not be promoted to the odd semester of the next higher year, and such student shall be treated as an ex-student. Other condition of promotion of the ex-student will be applicable as per Clause 11.
- (c) If a student has passed a semester examination in all the subjects as per above clauses, he/she shall not be permitted to reappear in that examination for improvement in grades/division.

**10.7.6 Basis of Credits**-Credits of a theory or practical subject is decided by:

$$\text{Credits} = (L + T + P/2),$$

Where; L = Lecture periods per week,

T = Tutorial period per week,

P = Practical periods per week.

Credits in a subject will be an integer, not in a fractional number. If a credits in a subject turns out in fraction, it will be taken as next integer number.

**10.7.7 For Projects/Practical Subjects**- Evaluation of project/practical during the semester will carry 60% weightage for CIA and the SEA will carry 40% weightage. The internal assessment will carry equal weightage of attendance (20% weightage), practical records (20% weightage) and internal viva – voice examination (20% weightage). The marks for attendance shall be awarded in project/practical subject as per the following Table.

Percentage of attendance	65 - ≤ 75	> 75 - ≤ 80	>80- ≤85	>85- ≤90	>90- ≤95	>95- ≤100
Percent weightage of Marks	10	12	14	16	18	20

**10.7.8 Grading System-** Percentage as well as absolute grading system will be followed, in every subject, theory or practical. A student will be awarded a **Letter Grade**, based on his combined performance of CIA and SEA. These grades will be described by letters indicating a qualitative assessment of the student's performance through a number equivalent called "Grade Point" (GP) as given below. The following is the **Grade Point** pattern. Grade 'F' indicates not clearing (passing) of the subject.

Letter Grade (LG)	O	A+	A	B+	B	C	P	F	Ab
Grade Point	10	9	8	7	6	5	4	0	0

The Letter Grades are O (Outstanding), A+ (Excellent), A (Very Good), B+ (Good), B (Above Average), C (Average), P (Pass), F(Fail) and Ab (Absent in end semester examination). Grades will be awarded for every theory and practical/ subject separately.

**10.7.9 Absolute Grading System**

(a) The Absolute Grading System as explained below will be adopted for theory and project/practical subjects.

GRADE	PERCENTAGE OF MARKS OBTAINED IN THEORY/ PRACTICAL /PROJECT
O (Outstanding)	>90- ≤100
A+(Excellent)	>80 - ≤90
A (Very Good)	>70 - ≤80
B+(Good)	>60 - ≤70
B (Above Average)	>50- ≤60
C (Average)	>40- ≤50
P (Pass)	=40
F (Fail)	00 - <40

(b) 01 Grace Mark shall be given only once at the time of award of the degree to improve the Grade in overall result.

**10.7.10 Semester Grade Point Average (SGPA)-** Performance of a student in  $i^{\text{th}}$  semester is expressed by  $[SGPA]_i$  which is a weighted average of course grade points obtained by a student in the semester, and is expressed by

$$[SGPA]_i = \frac{[C_1G_1 + C_2G_2 + \dots]_i}{[C_1 + C_2 + \dots]_i} = \frac{[\sum C_j G_j]_i}{[\sum C_j]_i} = \frac{N_i}{D_i}$$

Where  $C_j$  stands for Credits and  $G_j$  stands for Grade points corresponding to  $j^{\text{th}}$  subject in a semester. SGPAs will be calculated up to two places of decimal with rounding off. SGPA will be calculated only when a student clears a semester without failing in any subject, theory or practical /project.

**10.7.11 Cumulative Grade Point Average (CGPA)-** This is a weighted average of course grade points obtained by a student for all the courses taken, since his / her admission. Thus, CGPA in the  $i^{\text{th}}$  semester with " $i \geq 2$ " will be calculated as follows:

$$[CGPA] = \frac{\sum_{k=1}^{k=i} N_k}{\sum_{k=1}^{k=i} D_k}$$

Where  $N_k$  stands for sum of Credits and Grade points of semester,  $D_k$  stands for sum of Credits points of semester. CGPAs will be calculated up to two places of decimal with rounding off. CGPA will be calculated only when a student clears a semester without failing in any subject, theory or practical /project.

If a student repeats a course or is declared fail in a subject, then only the grade points earned in the attempt when he / she cleared the course (subject) are counted towards CGPA. CGPA will be calculated in every semester along with SGPA, so that a student knows his / her latest CGPA.

## 11 PROMOTION TO NEXT YEAR AND SEMESTER

11.1 Those students who have cleared all the registered theory, practical subjects prescribed for the B.Tech. first year shall be promoted to the B.Tech. second year. Those students who have cleared all the registered theory, practical subjects prescribed for the B.Tech. second year shall be promoted to the B.Tech. third year. Those students who have cleared all the

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registered theory, practical subjects prescribed for the B.Tech. third year shall be promoted to the B.Tech. fourth year.

- 11.2 Those students who would have backlogs in registered theory and/or practical subjects in the odd and/or even semesters of any academic year will be allowed to appear in the supplementary examinations of the same year.
- 11.3 Those B.Tech. students who are allowed to appear the supplementary examination (of odd or even or both semester), may be allowed to attend the classes provisionally of the next higher odd semester of the next year. However, such provisionally permitted students will get their regular admission only after passing in all their backlog papers in supplementary examination, if eligible otherwise. The percentage of attendance of such students shall be counted from the date of commencement of the semester classes.
- 11.4 If a student fails to clear in the supplementary examination all the backlogs of theory, practical subjects of the odd and even semesters, he/she will not be promoted to the odd semester of the next higher year, and such student shall be treated as ex-student.
- 11.5 Ex-students, shall be required to clear their backlog papers (theory and or practical subjects), in the end semester examination of the corresponding semesters (odd and even) and supplementary examination to be conducted next year (in the following academic session). Such ex-students will be required to deposit the examination fees only.
- 11.6 The ex-students (including the detained students due to shortage of attendance) have to take the re-admission along with the regular students after clearing their backlogs and shall follow the current academic curriculum and regulations.
- 11.7 If any deviation/changes in ex-students curriculum (curriculum at the time of admission), the committee constituted by the department shall decide to regularize their courses in align with the current academic curriculum with the regular students.

## 12 AWARD OF CLASS OR DIVISION

12.1 The class/division awarded to a student with B. Tech. Degree shall be determined by the student's CGPA after clearing all the subjects of all the eight semesters, as given below:

- First Division with Distinction :  $7.5 \leq \text{CGPA} \leq 10.0$
- First Division :  $6.5 \leq \text{CGPA} < 7.5$
- Second Division :  $5.0 \leq \text{CGPA} < 6.5$

12.2 Division shall be awarded to a student only after clearing all the semesters as follows;

- (a) The total number of credits to be earned by students admitted to the first semester of 04 years B.Tech., the program shall be minimum 160.
- (b) The total number of credits to be earned by students admitted to the third semester of 04 years B.Tech., program under lateral entry scheme shall be minimum 120.
- (c) The students admitted through entry exit system in B.Tech. third semester / fifth semester / seventh semester has to earn minimum 160 credits including the credits deposited in his / her account in the Academic Bank of Credits (ABC).
- (d) A student shall be eligible to obtain an undergraduate B.Tech. degree with Honors if he/she earns minimum additional 20 credits from Massive Open online Courses (MOOCS) through National Programme on Technology Enhanced Learning (NPTEL) under Study Webs of Active –Learning for Young Aspiring Minds (SWAYAM) or as specified by the UGC/AICTE/ University norms from time to time regarding the earning of additional credits.
- (d) A student shall be eligible to obtain an undergraduate B.Tech. degree with Research if he/she earns minimum additional 20 credits from the subjects listed in the M.Tech. & Ph.D. scheme or as decided by the concern department.
- (f) The allotment of seat into Honors/Research based on the percentage of marks obtained in the major degree program. Percentage of marks shall be taken up to 3<sup>rd</sup> year in case of both regular entry students and lateral entry students. Only those students who have a CGPA of 7.5 or above at the end of 3<sup>rd</sup> year without any backlog will be permitted to register for Honors/Research.
- 12.3 No student shall be declared to have passed the final B.Tech. course unless he/she has fully passed all the semesters. The results of the 8<sup>th</sup> semester of those students, who have not passed examination in any previous semester, will be withheld. Such students shall be deemed to have passed the final B.Tech. examination in the year in which they pass / clear all the subjects of all the semesters, within the limit of the prescribed period of the whole course.
- 12.4 Undergraduate Certificate shall be awarded to those students who successfully complete the first year (first two semesters) of the undergraduate B.Tech. programme with minimum 40 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.
- 12.5 Undergraduate Diploma shall be awarded to those students who successfully complete the first two years (first four semesters) of the undergraduate B.Tech. programme of minimum



80 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.

12.6 Undergraduate Vocational Degree shall be awarded to those students who successfully complete the first three years (first six semesters) of the undergraduate B.Tech. programme of minimum 120 credits followed by an additional 10-credits bridge course(s) for two months, including at least 6-credits job-specific internship/apprenticeship.

### 13 TRANSCRIPT

Based on the Letter grades, Grade points and SGPA and CGPA, the Vishwavidyalaya shall issue the transcript for each semester and a consolidated transcript indicating the performance in all semesters.

### 14 CONVERSION OF CGPA / SGPA IN PERCENTAGE

There is no equivalence between the CGPA/SGPA scale and percentage. However notionally SGPA and CGPA to Percentage is as follows,

$$\text{Percentage of particular semester} = (\text{SGPA}) \times 10$$

$$\text{Percentage of B.Tech. Degree} = (\text{CGPA}) \times 10$$

### 15 RANKING

Only such candidates who complete successfully all courses in the programme in single attempt shall be considered for declaration of ranks, medals etc. declared and notified by the university, if any.

### 16 DISCIPLINE

- Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activity which will tend to bring down the prestige of the Institute.
- Any act of indiscipline of a student reported to the concerned Head / Dean (Engineering and Technology), will be investigated and necessary action will be taken as per university rules from time to time.
- Ragging in any form and of any dimension is a criminal and non-bailable offence in our country. The current State and Central legislations provide for stringent punishment, including imprisonment. Once the involvement of a student is established in ragging, the offending student will be dismissed from the University and will not be admitted into any other Institution. Avenues also exist for collective punishment, if individuals cannot be identified in this inhuman

act. Every senior student, along with the parent, shall give an undertaking every year in this regard and this should be submitted at the time of admission / registration.

## 17 REGISTRATION REQUIREMENTS

- Every student is required to be present and register at the commencement of each semester on the day(s) fixed for and notified in the Academic Calendar from time to time.
- Late registration will be permitted with a fine as decided from time to time up to three weeks from the date of commencement of each semester as notified in the Academic Calendar from time to time. If the student does not register in the specified time, he / she has to be registered in the next year in the same semester.
- Percentage attendance for all students will be counted from the date of commencement of the semester, irrespective of his/her date of registration. However, in case of first year first semester, attendance will be counted from date of admission into the school or date of commencement of class work, whichever is later.
- Minimum two weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 2<sup>nd</sup> semester; three weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 4<sup>th</sup> semester; and four weeks of Industrial training/Internship during summer break is compulsory after the end semester examination of 6<sup>th</sup> semester. The student has to submit the industrial training /Internship report to the concerned department at the time of registration in the next odd semester of the higher academic year and required to defend his/her industrial training/Internship during odd semester of next higher year.
- During the 8<sup>th</sup> semester, all the students are required to complete internship and project work. The project work may be carried out either from the department or from the industry. The student has to submit the Internship report and Project report to the concerned department before the last working day of 8<sup>th</sup> semester as mentioned in the academic calendar and required to defend his/her internship and project work at the end of the 8<sup>th</sup> semester.
- The curriculum for any semester, except for the final semester will normally carry credits between 20 to 32.
- A student who has successfully secured CGPA equal and more than 7.5 in his/her 1<sup>st</sup> year courses, can be registered for courses in other departments of the university for his/her higher semesters of study. The registration in such courses will be done after recommendation of Head of the Department and approval of the Dean, Engineering and Technology followed by the same

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of the Head of the Department concerned of the course offered in. The student has to attend the classes of the courses in addition to the fulfilling the requirements of registered regular subjects in his/her department prescribed by the Head of Department.

## 18 TRANSFER OF CREDITS

With due approval the courses studied through on-line / off-line like Massive Open Online Courses (MOOCS) through National Programme on Technology Enhanced Learning (NPTEL) under Study Webs of Active –Learning for Young Aspiring Minds (SWAYAM) in Indian/ Foreign University/Institutions by the students during their study period at GGV Bilaspur (C.G.) may count towards the credits requirements for the award of B.Tech. degree. The credits transferred will reduce the number of courses to be registered by the student at GGV. The guidelines for such transfer of credits are as follows.

- On successful completion of the courses opted by students under SWAYAM, the credits earned by them shall be included in their Grade card.
- Credits transferred will not be used for SGPA/CGPA computations except SWAYAM. However, credits transferred will be considered for overall credits requirements of the programme.
- Students can earn credits only from other department of the University (GGV) / IISC/IITs/NITs/Central Universities and other Indian and Foreign Institutions/Universities with which GGV has an MOU (and that MOU must have specific clauses for provisions of credits transfer by students).
- Credits transfer can only be considered for the courses at same level (i.e., UG, PG, etc.).
- The credits / grades indicated in the grade sheet obtained from the university in which the student has completed the courses should be used by the student as part of his/her transcripts.


## 19 INTERPRETATION OF REGULATION

In case of any dispute in the matter of interpretation of this Ordinance, the decision of the Vice-Chancellor of the University shall be final and binding on the students.

## 20 POWER TO MODIFY


Notwithstanding all that has been stated above, the Academic Council of the University has the right to propose any modifications or amendments to the Executive Council for final decision of the above regulations and further actions from time to time.

21 Matters not covered in this Ordinance shall be governed by the relevant ordinance of the University.


  
(M.K. Singh)


  
(G.C. Srivastava)

  
(Manish Sharma)

  
(A.K. Kushwaha)

  
(Dr. R.K. Prasad)

  
(Dr. S.V. Arjun)

  
(Same Dm)

  
(Dr. Rajesh Mahale)

  
(M.C. Raw)

  
(Dr. A.K. Prasad)