Ordinances for

Bachelor of Technology Programs (B.Tech Regular)

(Common to all B.Tech programs)

1. **Short title and Commencement**

   (a) These ordinances shall be called the "Himachal Pradesh Technical University Ordinances for Bachelor of Technology Programs.

   (b) They shall come into force with immediate effect.

2. **Definitions**

   (a) "Academic Council" means the Academic Council of the University;

   (b) "Advisory Committee" means an Advisory Committee comprising of prominent and knowledgeable members having expertise in the area of Engineering and Technology from within and outside the University or College;

   (c) "Board" means the Board of Governors of the University;

   (d) "Board of Studies" means the Board of Studies of the Department;

   (e) "Common Entrance Test (CET)" means a test conducted by the Himachal Pradesh Technical University for admission to under-graduate degree programs as per the directions of the State Government of Himachal Pradesh from time to time;

   (f) Institute or College" means an institution, organization, training centre or other establishment providing teaching, research, and experimentation of practical training in engineering affiliated to the University;

   (g) "JEE (Main)" means the Joint Entrance Examination conducted by the Central Board of Secondary Education, New Delhi;

   (h) "NCC" means National Cadet Corps given basic military training in small arms and parades;

   (i) "NSS" means National Service Scheme an Indian government sponsored public service program conducted by Department of Youth Affairs and Sports of the Government of India for developing student's personality through community service; and

   (j) "University" means the Himachal Pradesh Technical University.

3. **Undergraduate Degree Programs**

   (a) The University offers four year full time programs in specialized engineering disciplines that address the immediate national requirements by providing adequately trained manpower. The list of currently running UG degree programs is given in Annexure- I.

(b)   The University will confer B. Tech degree to candidates who are admitted to the Bachelor of Technology (B.Tech) Programs and fulfill all the academic and co-curricular requirements as prescribed by these Ordinances.

(c)   The programs may be added/deleted or amended in accordance with the decision of the Board from time to time.

4.   **Academic Session**

(a)   Each academic yearshall be divided into two semesters (Odd and Even) of approximately sixteen weeks duration excluding end semester examinations, evaluation and grade finalization. The academic session in each semester shall be of at-least seventy working days with 40 hours of teaching. The odd semester will normally commence in the month of July/August every year, and the even in the month of December/January.Academic Session may be scheduled for the Summer Session/Semester as well.

(b)   The schedule of academic activities for a Semester, including the dates of registration, mid-semester and end-semester examinations, inter-semester break and other activities, etc. shall be referred to as the Academic Calendar, which shall be prepared by the Dean (Academic), approved by the Academic Council, and announced at least TWO weeks before the commencement of the academic year.

(c)   The Academic Calendar must be strictly adhere d to, and all other activities including co-curricular and/or extra-curricular activities must be scheduledso as not to interfere with the Curricular Activities as stipulated in the Academic Calendar.

(d)   Whenever any of the Teaching Days gets declared as a Holiday or otherwise when the classes get suspended, irrespective of whatsoever be the reasons, appropriate makeup for such loss shall be made by having the class/lab /teaching sessions conducted on a suitable date by following the particular Class Time Table of that Teaching Day which was so lost.

5.   **Admission**

(a)   The admissions to B.Tech program shall be as per ordinances andregulations of the University and in accordance with the guidelines issued by the State and CentralGovernment from time to time.

(b)   The admissions shall be made through centralized counseling on the basis of merit depending upon the availability of seats in the Institution.

(c)   Every student admitted to the Under Graduate degree program shall have to submit the necessary documents such as Migration Certificate /Transfer Certificate (in original), as the case may be, and attested copies of other required academic certificates.After completing all necessary formalities, a permanent Enrolment Number shall be provided to him/her for all future references.

6. **Eligibility**

   (a) The eligible for admission to B. Tech program shall be as notified by the Government from time to time.

   (b) If any board awards only letter grades without providing an equivalent percentage of marks on the grade sheet, the candidate should obtain a certificate from the Board specifying equivalent marks, and submit it at the time of counseling. In case such a certificate is not provided by the candidate, the decision of the Admission Committee regarding his/her eligibility shall be final.

   (c) In addition, candidates who are interested to seek admission as foreign nationals or under other categories as approved by the Government of Himachal Pradesh will also be considered for admission to the B. Tech Program providedthey fulfill the criteria and their applications are received through proper channel.

   (d) The candidates who have passed three years Diploma from a recognized Board/University will also be eligible for admission in the appropriate branch of Engineering/Technology of B. Tech. second Year under Lateral Entry Scheme as notified by the Government from time to time..

7. **Duration of the Program**

   (a) A student is ordinarily expected to complete the B.Tech program in 8 semesters from the date of initial registration. However, a student may complete the program at a slower pace by taking more time, but in any case not more than 14 semesters from the date of initial registration in the program including rustication or temporary withdrawal from the course.

   (b) A student, who fails to fulfill all the academic requirements for the award of the degree within the stipulated period from the date of his /her initial admission, shall forfeit his seat.

8. **Temporary Withdrawal from the Program**

   (a) A student may be permitted to discontinue/withdraw from the program by the University up to 2 years (4 Semester) for reasons of ill health or others:

   > Provided the candidate applies to the Institute/Department within at least 2 weeks of the commencement of the semester or from the date he/she last attended his/her classes whichever is later, stating the reasons for such withdrawal together with supporting documents;

   > Provided further that the Institute/Department is satisfied that, counting the period of withdrawal, the student is likely to complete his/her requirements of the B.Tech degree within the maximum time limits specified for the program above.

Provided further that the there are no outstanding dues in the Department/Hostel/ Library/NCC/NSS, etc. against the name of the candidate.

(b) A student who has been granted temporary withdrawal from the Institute under the provisions of Clause 8(a) will be required to pay fees/charges (except tuition fees and hostel dues) during the period of leave. However, fees once paid will not be refunded.

(c) Normally, a student shall be permitted only once to withdraw from the program.

9. **Change of Branch**

(a) Normally a student admitted to a particular branch of the undergraduate program will continue studying in that branch till completion.

(b) However, in special cases the University may permit a student admitted through centralized counseling to change the branch of studies after the first year (first two semesters) subject to the following conditions:

   (i) Such change will be considered only at the end of the second semester.

   (ii) Only 5% students will be permitted to change their branch on merit basis subject to availability of seats.

   (iii) The students who have successfully completed the first semester will be eligible for consideration for change of branch subject to the availability of vacancies.

   (iv) After change of branch the number of students in that branch should neither fall below thesanctioned intake by more than five percent nor should go above the sanctioned intake.

(c) The process for the change of branchmust be made by inviting applications from eligible students on the prescribed form at the end of second semester of each academic year.

(d) All change of branch/program made in accordance with the above rules shall be made within twenty one (21) days from the commencement of the third semester. No change of branch shall be permitted thereafter.

10. **Structure of the Program**

(a) Each department shall have a curriculum for the program offered by it duly approved by the Academic Council.

(b) The complete programme of study will consist of following categories ofcourses distributed over eight semesters (6 semesters for lateral entrystudents):

   (i) a general core programcomprising Languages/Communication Skills,Humanities, Basic Sciences, Engineering sciences and Engineering Arts;

(ii)   an engineering core program introducing the student to the foundations of engineering in his/her branch;

(iii)   an elective program enabling the student to take up a group of courses from a pool which may be very specific or specialized or advanced or supportive to the discipline/subject of study or which provides an extended opportunity or exposure to explore diverse interests and nurture one's talent, proficiency/skills in a broader perspective; and

(iv)   Additional courses such as, Seminar, Industrial training, project, etc. prescribed by the department depending upon the specific requirement of the program.

(c)   In addition, a student shall be required to complete NCC/NSS/General Proficiency or other program compulsorily as may be approved by the Academic Council or recommended by Advisory Committee constituted for the purpose by the University/ College.These arenormally conducted during evenings of week days or Sunday and are designed for character building andto sensitize the students towards social/national issues.

(d)   All B.Tech programs shall be designed to have a minimum 180and maximum190 credits for direct entry to first year and for later entry, minimum 132 and Max. 142 credits under different categories of courses as follows:

Sr. No	Program Component	Category	Minimum Credits For	
			B.Tech	B.Tech (LE)
(i)	Foundation Core	Communication Skills, Basic Sciences and Math, Engineering Sciences, Management, Humanities & Social Science, Technical Arts, etc.	45	12
(ii)	Program Core	Departmental Core	92	92
(iii)	Electives	Open Electives from other departments	2	2
		Program Electives	6	6
(iv)	Mandatory Courses	Industrial Training, Seminar, Projects, etc.	35	20
		Grand Total	**180**	**132**

(d)   The curricula for the first two semesterswill be common for the all branches.

(e)   The nature of courses, syllabus and credits shall be reviewed and updated periodically by the Board of Studies (hereinafter referred as BOS) of the concerned Department and recommend the same to the Academic Council for approval.

(f)   Courses identified as core courses are compulsorily to be studied by a student for the

award of the B.Tech degree. For electives, failure to earn creditsdoes not necessarily require repeating the course. Instead another approved electivecould be permitted as a replacement course by the faculty advisor concerned. Forsome courses there could be a prerequisite course completion requirement forregistration.

(g)   Summer training is to be satisfactorily completed before a student is declared eligible for the degree. The curriculum for an individual department may show different credit allocation for summer training, if considered necessary.

(h)   Medium of Instruction /Evaluation/etc. shall all be English.

11.   **Credit System**

(a)   All courses have a Lecture/Tutorial/Practical/Design component (L-T-P) to indicate the contact hours. 'T' and 'P' components of a course may be void. Separate Laboratory course (0-0-P) may also be provided. All courses have credit counts (C) which reflect its weightage depending on the number of hours of instruction per week.

(b)   For calculating credit, in general each lecture and tutorial hour per week will be considered as 1 credit and two practical hours as one credit.

(c)   A Lab will consist of 10-12 experiments for a 2 credit lab (one session per week) or 8-10 experiments for a 1 credit lab (one session per 2 weeks).

(d)   The curriculum of all the branches of B. Tech program is designed to have minimum 180 credits for the award of degree. For lateral entry students the number of credits to be earned for the award of the B.Tech degree shall be in accordance with the curriculum of programconcerned.

(e)   From third Semester onwards a student can registerfor a maximum of six theory courses and four laboratory courses per semester for a maximum of 27 credits whichever is more from the curriculum prescribed by the University, subject to the fulfillment of pre-requisites if any.

(f)   The students are permitted to register for additional backlog courses from fifth semester onwards. Students can register one backlog course in V & VI semesters and two backlog courses in VII & VIII semesters subject to a maximum of 35 credits.

(g)   Extra-curricular activities carry no credits anda student should satisfactorily complete the prescribed NCC/NSS/General Proficiency program by securing 'S' grade.

(h)   The general proficiency activities will include Games/Sports/Cultural/Literary/Field Activities/Industrial visit/Extension Lectures, etc. to be carried out beyond class hours.Students may be taken on conducted tours through industrial works arranged by the department to expose them to various technologies employed in the industry. The general

'S' or 'U' as per **Clause 17** shall appear in the Grade Card of the student in every even semester against the General Proficiency activity.

12. **Enrollment and Registration**

(a) From the second semester onwards, every student, after consulting his Faculty Advisor, is required to enroll with the Departmental Under Graduation Committee (DUGC) of department concerned by presenting himself/ herself at the commencement of each semester and register for the courses to be pursued by him/her, as per the program, on the date (s) fixed by the University in its academic calendar.

(b) **Lower and Upper Limits for Credits Registered in a Semester:**
A student must register for a minimum of 15 credits and up to a maximum of 35 credits in each semester. However the minimum/maximum credit limit can be relaxed by the DUGC on the recommendations of the faculty advisor, only under exceptional circumstances.

(c) The sole responsibility for enrollment and registration rests with the student. A student who does not enroll on the specified date for the purpose may be permitted late-registration, in consideration of any compelling reason (including medical reasons), within the next 15 days on payment of late fee as prescribed by the University. However, under no circumstances late registration after 21 calendar days from the scheduled date of registration is allowed.

(d) The registration procedure involves:

   (i) Filling of the registration cum examination form prescribed by the University, mentioning the courses to be pursued in the semester including the backlog, extra or optional courses if any;

   (ii) Payment of fees including examination fee and clearance of outstanding dues (mess, library and others if any), and

   (iii) Submission of the registration cum examination form and signing of the registration roll as notified by the College/Institution concerned.

(e) A student will be eligible for enrollment only if he/she has cleared all the dues of the College/Institute, Hostel, Library, etc. up to the end of the previous semester and completed the academic requirement of all the previous semesters, provided he/she is not debarred from enrolment, on disciplinary grounds.

(f) The list of all the registered students for the semester shall be sent to the University by the Colleges/Institutions/Departments on or before 30 September and 28 February respectively every year for further processing and necessary action.

(g) The registration cum examination form of each candidate must accompany the required examination fee as specified by the University to appear in the end semester examination. The examination fee once paid shall not be refunded if a student is expelled or detained/debarred from appearing the end semester examination on account of shortage of attendance, discipline or any other ground whatsoever.

(h) A student must ensure that he/she has earned the minimum specified credits to register for a particular semester as specified in **Clause22**.

13. **Attendance**

(a) A student must attend every lecture, tutorial and practical class. To account for approved leave of absence (e.g. representing the University in sports, games or athletics, placement activities, NCC/NSS activities etc.) and /or any other such contingencies like medical emergencies etc., the attendance requirement shall be a *minimum* of 75% of the classes actually conducted. However, the Vice Chancellor may condone attendance to an extent of 10% only in special cases. Each subject shall be treated as a separate unit for calculation of the attendance.

(b) A candidate, who does not satisfy the attendance requirement, mentioned as above, shall not be eligible to appear for the Examination of that subject and the candidate shall be required to repeat the subject during the summer term or whenever it will be offered next.

(c) The Head of the Department shall notify regularly, the list of such candidates who fall short of attendance. The list of the candidates falling short of attendance shall be sent to the Controller of Examination with a copy to Registrar of the University at least one week prior to the commencement of the examination.

14. **Assessment& Evaluation**

(a) The assessment of the candidate shall be based on (i) continuous Internal Assessment (IA) throughout the semester and (ii) End Semester Examination (ESE) at the end of the semester.

(b) The IA is a continuous process spread over the semester and involves components as mid semester examinations, home assignments, quizzes, surprise quiz, case analysis, attendance, etc.In order to maintain transparency in internal evaluation, the tests and quiz answer sheets will be shown to the students.

(c) The assessment in ESE will be based on the performance in the end semester examination/Vive-voce examination/Presentation as the case may be. The evaluation in theory courses which involves written examination shall be carried out by the external examiner whereas in case of practicals, projects, training, etc. it shall be carried out jointly by the course coordinator and external examiner.

(d) The assessment of a candidate in each subject shall be done on absolute marks basis - 100 in case of theory courses and 50 in case of lab and other courses as follows:

(i) Theory Courses		
Component	**Category**	**Max. Marks**
I	(a) Teachers Assessment (Assignments/Quizzes)	16
	(b) Mid- Semester Examinations/Tests (Two mid-term tests of 2 hrs duration)	20
	(c) Attendance	04
II	End-Semester Examination	60
	Total	100
(ii) Laboratory Courses		
Component	**Category**	**Marks**
I	(a) File work and lab performance	15
	(b) Vive-voce (two mid-term viva-voce tests)	10
	(c) Attendance	5
II	End-Semester viva-voce Examination	20
	Total	50
Component	**Category**	

Note: The laboratory and project courses will be evaluated by the teachers(s) associated with the course and an external examiner not in the service of the university at the time of examination. In case the external examiner does not turn up for the examination, the headof the department concerned, in consultation with the course in-charge, shall call another person to act as the external examiner, even from within the College/other Institutions/University, if necessary.

(iii) Project/Seminar		
Component	**Category**	
I	Internal Assessment – The distribution and weightage to be decided by course co-coordinator	50
II	End-Semester Examination	50

	Total	**100**

Note: The Project and Seminar courses will be examined by the teacher(s) associated with the course and one or more Examiners from amongst the teachers of the department to be recommended by the Board of Studies of the department concerned.

(iv) Industrial/Practical Training

Component	Category	
I -Marks to be awarded by the respective Industrial/Practical training organization	Technical Quality of the work	25
	Attendance, discipline, involvement, etc.	15
	Interest shown by the student	10
	Sub Total	**50**
II- Marks to be awarded by the Department/Centre	Project Report	15
	Project Work	15
	Viva Voce & Presentation	20
	Sub Total	**50**
	Total	**100**

(v)Audit Courses

Course Status	Marks Obtained	Grade Awarded
Audit Pass	≥ 40%	S (Satisfactory)
Audit Fail	< 40% ,	U,Candidate has to repeat the course

(e) The sessional marks for theory, practicals, projects, etc. will be submitted to the University within 15 days after the close of classes for the semester.

(f) The sessional marks submitted by different institutions will be moderated by a Moderation Committee appointed by the Vice-Chancellor, if required.

(g) There shall be no reappear in the sessional/internal assessment of theory and practical subjects. The marks obtained by the student in sessional/internal assessment of theory and practical subjects shall be added as such to the marks obtained in written theory and practical examinations respectively.

15. **End Semester Examination and Passing Requirements**

(a)   A student can only appear in the end-semester examination of a course if he/she

   (i)   has registered for that course and paid the requisite fees;

   (ii)   has minimum prescribed attendance; and

   (iii)   hassecured the minimum prescribed marks in Internal Assessment (IA).

(b)   A student shall be deemed to have passed a course, if the minimum marks (IA+ESE put together) secured by him/her is $(\bar{x} - 2\sigma)$, where $\bar{x}$ is the average mark of the students registered for the course and σ is the corresponding deviation. However, the student has to secure a minimum of 40% marks(e. g. 16 out of 40) in the IA and30% marks (e. g. 18 out of 60) in the End Semester Examination (ESE).

16. **Grading System**

(a)   Relative grading will be followed if the number of students registered for a course is greater than 10 (Table 16.1).

(b)   The letter grade and the grade point to each student studying a course shall be awarded based on the statistical parameters, mean ($\bar{x}$) and standard deviation (σ) of the distribution of marks. These parameters are defined as follows:

$$\bar{x} = \frac{\sum_{i=1}^{n} x_i}{n} \qquad\qquad \sigma = \sqrt{\frac{\sum_{i=1}^{n}\left(x_i - \bar{x}\right)^2}{(n-1)}}$$

where, x_i is the aggregate marks (IA+ESE) obtained by the student in a course andn is the number of students appeared in the course.

Table 16.1			
Total Marks secured by the Candidate	**Grade**	**Point Value of Grade**	**Qualitative Assessment**
$x_i \geq \left(\bar{x} + 1.75\sigma\right)$	O	10	Outstanding
$\left(\bar{x} + 1.00\sigma\right) \leq x_i < \left(\bar{x} + 1.75\sigma\right)$	E	9	Excellent
$\left(\bar{x} + 0.25\sigma\right) \leq x_i < \left(\bar{x} + 1.00\sigma\right)$	A	8	Very Good
$\left(\bar{x} - 0.50\sigma\right) \leq x_i < \left(\bar{x} + 0.25\sigma\right)$	B	7	Good
$\left(\bar{x} - 1.25\sigma\right) \leq x_i < \left(\bar{x} - 0.50\sigma\right)$	C	6	Average/Fair

	Grade	Point Value	Qualitative Assessment
$\left(\bar{x} - 2.0\sigma\right) \le x_i < \left(\bar{x} - 1.25\sigma\right)$	D	4	Pass (minimum pass grade)
$x_i < \left(\bar{x} - 2.0\sigma\right)$	F	-	Unsatisfactory (fail)
-	I	-	Incomplete/Detained due to Shortage of attendance.
-	Z	-	Absent in the End Semester/ Pending due to other reasons
-	S	-	Grade "S" is awarded on satisfactory completion of extra-curricular or general Proficiency activity.
-	U	-	Grade "U" is awarded for not completing extra-curricular or general Proficiency activity satisfactorily.

c) If the number of students registered for a course is ≤ 10, absolute grading system will be followed (Table 16.2).

Table 16.2:			
Total Marks secured by the Candidate	**Grade**	**Point Value of Grade**	**Qualitative Assessment**
$x_i \ge 91$	O	10	Outstanding
$81 \le x_i < 91$	E	9	Excellent
$71 \le x_i < 81$	A	8	Very Good
$61 \le x_i < 71$	B	7	Good
$51 \le x_i < 61$	C	6	Average/Fair
$40 \le x_i < 51$	D	4	Pass (minimum pass grade)
$x_i < 40$	F	-	Unsatisfactory (fail)
Incomplete/Detained due to Shortage of attendance.	I	0	Incomplete/Detained due to Shortage of attendance.
Absent in the End Semester/ Pending due to other reasons	Z	0	Absent in the End Semester/ Pending due to other reasons
Grade "S" is awarded on satisfactory completion of extra-curricular or general	S	0	Grade "S" is awarded on satisfactory completion of extra-curricular or general Proficiency

Proficiency activity.			activity.
Grade "U" is awarded for not completing extra-curricular or general Proficiency activity satisfactorily.	U	0	Grade "U" is awarded for not completing extra-curricular or general Proficiency activity satisfactorily.

(d) A student who obtains 'F' grade has to reappear for the ESE only. Such a student need not attend the classes and marks obtained in sessional tests, assignments, quizzes and attendance will be carried for the subsequent attempts of the student.

(e) Grade "I" (Incomplete) is awarded to a student if he/she has shortage of attendance or does not obtain the minimum pass marks in the internal assessment (Component-I). Such a student has to re-register for the course during the summer term or whenever it is offered next.

(f) The grade "Z" is awarded to a candidate if he/she is reported to have compelling grounds to absent himself/herself from the end semester examination on account of:

(i) Illness or accident which disabled him from appearing at the examination or

(ii) Any exigency in the family at the time of the examination, which, in the opinion of the Institute, required the student to be away from the campus

Provided his/her attendance and performance in internal assessment are complete and satisfactory. Such a student shall have to appear only in the end semester examination only during the summer term or along with the next semester examinations provided he/she registers for the same. The grade shall be converted in to appropriate letter grade depending upon his/her combined performance in the sessional and end semester examination.

(g) **Transitional Grades U:**

A student who has been awarded "U" grade in extra-curricular or general proficiency activity shall have to register for the same and improve his/her performance. The grade "U" shall be converted to grade "S" on satisfactory completion of the activity.

17. **Declaration of Results**

(a) Normalized marks are referred to the Controller of Examination for the finalization of results. Controller of Examination assigns letter grades and announces the results.

(b) *'U' grade obtained by a student will be deleted in the grade card once that course is successfully completed*. The satisfactory grade 'S' acquired by the student will be indicated in the grade card of the appropriate semester with an indication of the month and the year

of passing. The Cumulative Grade Point Average(CGPA) will be accordingly revised.

(c) ***The F/I grade once awarded stays in the record of the student and will be deleted when he/she completes the course successfully later.*** The grade acquired by the student will be indicated in the grade card of the appropriate semester with an indication of the month and the year of passing of that course.

18. **Performance Indices**

(a) At the end of every semester, a student's academic standing shall be determined by **Semester Grade Point Average (SGPA), and a Cumulative Grade Point Average (CGPA).**

(b) The SGPA is the credit-weighted average of grade points of all courses pursued by the student during a semester and is computed as follows:

$$SGPA = \frac{\sum_{i=1}^{n} C_i G_i}{\sum_{i=1}^{n} C_i}$$

where, 'C$_i$' is the course Credits allotted to ith subject, 'G$_i$' the grade-points earned and 'n' is the number of courses pursued by the student during the semester. It would indicate the performance of the student in the semester to which it refers.

(c) The CGPA is the credit-weighted average of grade points of all courses except "Graduating Course" passed by a student in all the semesters since admission. Starting from the second semester, at the end of each semester S, a Cumulative Grade Point Average (CGPA) will be computed for every student as follows:

$$CGPA = \frac{\sum_{i=1}^{m} C_i G_i}{\sum_{i=1}^{m} C_i}$$

where, 'm' is the total number of subjects the student has registered from the first semester onwards up to and including the semester S.

(d) Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such.

19. **Summer Term and Supplementary Examination**

(a) Students who could not earn the required minimum credits at the end of the even semester have two options to continue with the studies. They are permitted to re-register for the course, when it is offered in the next academic year or complete the course if offered during the summer term.

(b)   Summer term courses will be announced by the Departments/Affiliated Colleges in consultation with the University at the end of the every even semester. A student will have to register for summer term courses by paying the prescribed fee within the stipulated time.

(c)   The student who has been awarded grade 'F', 'I' or 'Z' in a subject during the regular semester, shall be eligible for the summer term provided they have completed prerequisites if any for the courses offered.

(d)   A student shall be allowed to register for a maximum of three courses during a summer term.

(e)   The assessment procedure in any summer term course will be the same as in the regular semester courses. However, absolute grading will be applied for the students appearing for the Supplementary Examination.

(f)   A student failing in the supplementary examinations will have to re-register for the course whenever it will be offered next.

(g)   Summer courses shall be conducted either by the colleges individually or in clustersby giving a crash course in the subject for a minimum of 18 contacthours. Supplementary examination for summer term and other courses shall be conducted immediately after the summer term by the University.

(h)   Summer course is not a student right and will be offered based on availability of faculty and other institute resources.

(i)   Marks sheets will be issued only once in a year after the result of supplementary examinations is declared, however a soft copy will be available at the end of each semester.

20. **Re-view of Answer Scripts**

In case any student is not satisfied with the evaluation in subject, he/she may apply to the Controller of Examinations, along with the prescribed fee for review of end semester examination answer script within the stipulated time. The Controller of Examinations shall facilitate the review of the answer script and if any discrepancy is noticed during review the same shall be rectified and the originally awarded grade shall be amended accordingly.

21. **Re-registration for Betterment**

(a)   A student may re-register to reappear in Component - II (theory part only) for improving the Grade in any course(s) subject to the following conditions:

(i)   The student has obtained the lowest grade "D" in the course concerned, and

(ii)   The CGPA ≤ 6.5

(b)   A Student can re-register in a course at any time before the completion of his graduation program provided the University permits for it.

(c)   For re-registering for a course, the student has to pay the pre-requisite fee as prescribed by the University.

(d)   A student cannot re-register for betterment in courses like Practicals, Professional Practice in Industries, summer internship, courses having course Structure 0-0-P, mini Project, Project Work, Practical training or any other courses which are conducted as vocational courses.

(e)   In case of re-registration for betterment, the student is exempted from attending the course and the marks obtained in Component-I by the student earlier for that course will be carried forward.

(f)   The grade obtained by the student while repeating will be final and in no case the grade obtained in previous attempt will be considered. However, such an improvement is not considered for the award of Rank or Gold medal.

22.   **Promotion to Higher Semester**

(a)   A student has to earn a minimum number of credits and CGPA in a semester to move to thenext semester as given hereunder:-

For Regular Students:

(i)   to be eligible for admission to third Semester, a student must earn a minimum of 50% of total Credits in 1st year failing which he/she may re-register for the summer term to earn the required minimum credits or join back the 1st Semester to repeat the 1st Year.

(ii)   to be eligible for admission to fifth Semester, a student must earn 90% of total Credits in the 1st year and 50% of total Credits in 2^{nd}year failing which he/she has to re-register for the summer term to earn the required minimum credits or join back the 3rd Semester to repeat the 2^{nd}Year.

(iii)   to be eligible for admission to seventh Semester, a student must earn 100% of total Credits in the 1st year, 90% of total Credits in 2nd year and 50% of total Credits in 3rd year failing which he/she has to re-register for the summer term to earn the required minimum credits or join back the 5th Semester to repeat the 3^{rd}Year.

For Lateral Entry Students:

(i) to be eligible for admission to fifth semester, a student must earn a minimum of 50% of total Credits in 2nd year failing which he/she has to re-register for the summer term to earn the required minimum credits or join back the 3rd semester to repeat the 2ndYear.

(ii) to be eligible for admission to 7th semester, a student must earn 90% of total Credits in the 2nd year and 50% of total Credits in 3rdyear failing which he/she has to re-register for the summer term to earn the required minimum credits or join back the 5th semester to repeat the 3rdYear.

(b) A minimum 3.0 CGPA is required in order to qualify for continuation of registration at any stage and move to the next semester.

(c) A student who has not completed the NCC/NSS requirements (if prescribed) in the first four semesters will not be permitted to continue or move to next higher semester of the Program.

(d) A student may be asked to register for a regular course or to do a substitute course if the same course becomes obsolete and is not being offered anymore.

23. **Detention**

(a) A student shall be detained in a subject/course and will not be allowed to appear in the end semester examination (Component-II) if he/she secures less than minimum pass marks in internals assessment (Component-I) and/ or 75% of attendance in that course.

(b) In case of the marks in continuous evaluation of any subject of a semester being less than 40% or the attendance is less than 75%.

(c) A student shall be detained in a semester if he/she remain absent continuously for more than 6 (six) weeks in a semester without sanctioned leave from the authorities concerned.He/she has to repeat the semester.

24. **Termination from the Program**

(a) A student may be terminated from the program and his/her name will be struck off the rolls if the candidate

(i) fails to secure a SGPA of 3.0 at the end of any semester. However, a student securing a SGPA below 3.0 may be allowed to continue in the following semester by the Director/Principal of the College on valid grounds to improve the CGPA in the following semester. A student who secures a CGPA below 3.0 in four consecutive semesters will not be allowed to continue in the program.

(ii)   is found to have produced false documents or having made false declaration at the time of seeking admission.

(iii)   is found to be pursuing regular studies and/or correspondence courses (leading to degree or diploma) in any other college, university or an educational institution.

(iv)   on having been found to be concurrently employed and performing duty or carrying out business in contravention to academic schedule of the College/Institute.

(b)   A student may be rusticated from the University/College on disciplinary grounds based on the recommendations of any committee or examination committee by the Vice Chancellor/Head of the Institution.

(c)   **Mercy Appeal:** If the name of a student is removed from the rolls of the University/College, he/she may appeal to the Vice-Chancellor/Head of Institution stating the reasons for not being able to abide by the regulations or earn the requisite credits and the Vice-Chancellor/Head of Institution, if satisfied with the reasons, may allow the continuation of admission of the student only once during the tenure of the program or extend the total duration of the program by two semesters, at the maximum, beyond 14 semesters.

(d)   Under no circumstances a student will be allowed to complete the program after a lapse of 14 semesters from the initial registration in the program. However, in case of rustication or temporary withdrawal, the student shall be allowed to complete the program in 16 semesters.

25.   **Moderation Committees**

(a)   **Question Paper Moderation Committee:** There shall be a Question Paper Moderation Committee of the University consisting of the following members to moderate the End-Semester Examination Question Paper(s) if required in view of large number of complaints from the students.

    (i)   Dean Academic – (Convener)

    (ii)   One subject expert who shall invariably be the paper setter and

    (iii)   One subject experts to be nominated by the Vice-Chancellor.

(b)   **Result Moderation Committee:** There shall be a Result Moderation Committee of the concerned School/Department consisting of the following members to moderate course-wise results of the End-Semester Examinations if required in view of extremely poor performance by a large number of students:

    (i)   Controller of Examination - (Convener)

(ii)   One subject expert who shall invariably the paper setter and

(ii)   One subject experts to be nominated by the Vice-Chancellor.

The Result Moderation Committee will examine the result of the course and in case of abnormal situation; it may suggest suitable corrective measure to amend the result or award grace marks in appropriate component as the case may be. The controller of Examination will place the evaluated answer scripts along with the brief solution and marking scheme before the Committee. In case of difference of opinion among the members of the Committee, the majority decision will prevail.

26.   **Graduating Requirement**

(a)   A student shall be considered to have completed the course if he/she

(i)   has passed successfully all courses prescribed in the curriculum/scheme;

(ii)   has earned the minimum credits specified for the degree; and

(iii)   has obtained a minimum CGPA of 4.5 at end of the eighth semester.

27.   **Award of B. Tech Degree**

(a)   A student who fulfills the requirements mentioned under **Clause 26**shall be awarded the B.Tech degree in the appropriate discipline by the University:

(b)   The degree shall be awarded after the same is recommended by the Academic Council and approved by the Board of Governors of the University.

28.   **Classification of Awards**

(a)   A student is awarded Ist Class with distinction if the student passes all the courses required in the first attempt within the permitted period and has more than 8.0 CGPA on a 10 point grade. Even if a student takes 'break of study' on valid reasons and pass all subjects without arrears, he/she is eligible to get Ist class with distinction.

(b)   A student is awarded 1st Class if he/she

(i)   hasCGPA more than 6.5 at the completion of the required number of credits

(ii)   has passed all the subjects in not more than two attempts after the stipulated period. However, if the student has been permitted to go through 'break of study' on valid reasons, this period will not be counted as part of stipulated/permitted period.

(c)   All the other candidates who qualify for the degree are given second class.

(d)   To convert CGPA into equivalent marks a multiplication factor of 9.5 is adopted. Ex: CGPA6.5 is equivalent to 6.5x9.5=61.75% of marks.

(e)   Extra credits earned by the students will be counted for Honors degree, prizes and awards. However, the grade obtained by re-registration, shall not be considered for the award.

29   Award of Medals

(a)   University may institute Gold and Silver medals to the highest and second highest rank holders respectively as per CGPA and other academic conditions in each program of specialization.

(b)   Ranks/Positions will be determined at the end of the terminal semester. Only those students who fulfill the following conditions will be eligible for ranks/positions:

   (i)   They do not have any break in their studies;

   (ii)   They have passed every scheduled course in first attempt;

   (iii)   They have passed every course on time as per the curriculum;

   (iv)   They have earned credits as per the schedule given in the curriculum;

(c)   A student fulfilling all the conditions stated in **sub-clause 29(b)**and obtaining CGPA of 9.5 and above shall be recommended by the Academic Council for Outstanding Performance.

30.   Credit Transfer

(a)   University offers Credit Accumulation and Credit Transfer frame work for promoting and facilitating inter University transfer and mobility of students across different Indian Universities and educational institutions.

(b)   The procedure and conditions for transfer/ accepting of credits earned by a student shall be as follows:

   (i)   **Credit transfer from Himachal Pradesh Technical University (herein after referred to as HPTU) to other University:** Student from HPTU can take transfer to another University under the following conditions:

      •   HPTU has signed an Agreement with the University.

      •   A student has to pay the fees for all the remaining years when he/she seeks transfer.

- However, a student, after seeking transfer from HPTU can return to HPTU after a semester or year. Based on courses done in the other University, equivalent credits shall be awarded to such students.

(ii) **Credit transfer from another University to HPTU:** The University will accept the transfer of credits earned by a student from the following Institutions/Universities:

- Universities recognized under section 12(b) of the UGC Act.

- Universities as members of the Association of Indian Universities.

- Institutions established by the State and Central Governments.

- Any Institution/University with which HPTU has a signed Agreement.

(c) When a student seeks transfer from other University to HPTU, equivalent credits based on the courses studied by him/her shall be assigned.

(d) To graduate from HPTU, a student must study at least half of the minimum duration prescribed for a program at HPTU.

31. Transitory Ordinance

Candidates admitted prior to the implementation of these Ordinances shall be governed by the Ordinances under which they were admitted. Students who fail in the courses that are no more offered in these new ordinances and new curriculum will be allowed to pass the alternative courses, and in case there are no alternative courses, the old courses may be offered. For such candidates, any marks obtained earlier shall not be taken into account for passing the course(s) and they will have to obtain marks in all components of evaluation afresh. A student admitted previously may apply to the University to be governed by these ordinances.

32. Powers to Modify

Notwithstanding all that has been stated above, if any difficulty arises in giving effect to the provisions of these Ordinances, the Vice-Chancellor may by order make such provisionsnot inconsistent with the Act, Statutes, Ordinances or other Regulations, as appears to be necessary or expedient to remove the difficulty. Every order made under these rule shall be subject to ratification by the Appropriate University Authorities. Such actions of Vice-Chancellor shall not be treated as precedence under any circumstances.

LIST OF CURRENTLY RUNNING UNDER-GRADUATE DEGREE PROGRAMMES

Sr. No.	Program
1	Civil Engineering
2	Information Technology
3	Computer Science & Engineering
4	Electronics & Communication Engineering
5	Electrical Engineering
6	Mechanical Engineering
7	Textile Engineering
8	Electrical & Electronics Engineering
9	Automobile Engineering