

CHAPTER-II
ORDINANCE NO: 13
MASTER OF TECHNOLOGY PROGRAMMES (M.TECH REGULAR)
(Common to all M.Tech programs)

(Under Section 35 of the Himachal Pradesh Technical University Act 2014)

(Approved by the Board of Governors and the Academic Council in their meetings held on 25/7/2015 and 21/7/2015 respectively)

Sr. No.	Existing	Amendments	Remarks
1.	Short title and Commencement		
	(a) These ordinances shall be called the "Himachal Pradesh Technical University Ordinances for Master of Technology (M.Tech) 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 University;		
	(e) "Common Entrance Test" means an entrance test conducted by the Himachal Pradesh Technical University for admission to post-graduate degree programs as per the directions of the Government of Himachal Pradesh from time to time;		
	(f) "GATE" means Graduate Aptitude Test in Engineering conducted by the Indian Institute of Technology;		
	(g) 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;		
	(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.	Admission		

	(a)	The admissions to M. Tech (Regular and Part Time) programs shall be as per ordinances and regulations of the University and in accordance with the guidelines issued by the State and Central Government from time to time. The admissions shall be made by the University through centralized counseling on the basis of merit depending upon the availability of seats in the Institution.		
	(b)	Every student admitted to the Post Graduate program shall have to submit the necessary documents such as Migration Certificate (in original)/Transfer Certificate (in original), as the case may be, and attested copies of other required academic certificates.		
4.	Eligibility			
	(a)	A candidate shall be eligible for admission to M. Tech program if he/she has passed the Bachelor's degree or its equivalent from a recognized University in the appropriate branch of Engineering securing at least 50% (45% in case for candidate belonging to reserved category) in the qualifying examination.		
	(b)	The candidate must have qualified in GATE (Graduate Aptitude Test in Engineering) or Common Entrance Test (CET) conducted by the Himachal Pradesh Technical University.		
	(c)	Candidates <i>sponsored by the Industries, Govt. Departments</i> , established Institutes/ Research and Development (R & D) Organizations/National laboratories fulfilling the eligibility as per Clause 4(a) are also eligible to apply subject to production of sponsorship Certificate and Leave sanctioned from the employer.		
	(d)	Foreign nationals whose applications are received through Indian Council for Cultural Relation , Government of India, fulfilling the eligibility as per Clause 4(a) , are also eligible to apply.		
	(e)	Non Resident Indians fulfilling the eligibility as per Clause 4(a) are also eligible under the self-financing scheme, for which applications are invited through their embassies.		
	(f)	GRE/GMAT Score with TOEFL, academic record and letters of reference will be considered as additional requirement for Foreign nationals.		
	(g)	A Candidate seeking admission in the various	The Academic Council, after detailed	

		<p>courses in the University, the maximum age limit is 26 years in case of Boys, 28 years in case of girls and 29 years in case of SC/ST (both boys and girls) as on 1st July for post-graduation courses and 22 years in case of Boys, 24 years in case of girls and 25 years in case of SC/ST (both boys and girls as on 1st July for under graduation courses.</p> <p>Academic Council 23.5 BoG- 22.4</p> <p>Page no 22 to 25</p>	<p>discussions and keeping in view that the All India Council for Technical Education (AICTE) and Pharmacy Council of India has not defined and maximum age limit in the Approval Process Handbook 202-21 for the under graduate and post- graduate courses, allowed the University to withdraw the Notification No. Himtu-29GA) C-2/2011-1990 dated 25th February, 2020 to attract more admission in the UG and PG courses offered by the Himachal Pradesh Technical University in Campus, Off-Campuses and affiliated institutions.</p>	<p>Academic Council- 27.2</p> <p>BoG 26.9</p> <p>Refer page no 138 to 140</p>
5.	Duration of the Program			
	(a)	A student is ordinarily expected to complete the M. Tech program in 4 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 8 semesters from the date of initial registration.		
	(b)	The maximum duration of the program shall exclude the period of withdrawal and rustication.		
	(c)	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.		
6.	Temporary Withdrawal from the Program			
	(a)	A student may be permitted to discontinue/withdraw from the program by the University up to one year (2 Semester) for reasons of ill health or other valid reasons:		
		Provided he/she 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 program within the maximum prescribed time limit.		
		Provided further that there are no outstanding dues in the Department/Hostel/ Library, etc. against the name of the candidate.		

	(b)	A student who has been granted temporary withdrawal from the Institute under the provisions of Clause 6(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.			
7.	Structure of the Program				
	(a)	Every stream of specialization in M. Tech program will have a curriculum and syllabi for the courses approved by the Academic Council.			
	(b)	The curriculum shall broadly consist of following categories of courses:			
	(i)	A core program comprising of courses of candidate's stream of specialization;			
	(ii)	An elective program comprising of courses which may be very specific or specialized or advanced to obtain a specialization in the discipline/subject of study or which provides an extended scope or nurtures the candidates proficiency/skill; and			
	(iii)	Project work or Industrial Training as prescribed by the BOS depending upon the specific requirement of the program.			
	(c)	The student may be required to give one or more seminars during the program.			
	(d)	All M.Tech programs shall be designed to have a minimum of 72 and a maximum of 80 credits. A candidate has to earn a minimum of 72 credits for successful completion of M. Tech degree under different categories of courses as follows:			
		Sr. No	Program Component	Minimum Credits	
		(i)	Compulsory Core	26	
		(ii)	Electives	14	
		(iii)	Project work	32	
			Total	72	
	(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)	A student will have to register in all the <i>core courses</i> listed in the curriculum of his/her stream of specialization and successfully complete all of them. However, the Departmental BOS may grant permission to a student not to register for some of the core courses and substitute them with some other courses, depending on the courses successfully completed by the student in the undergraduate program.		
	(g)	Electives will have to be taken from the courses offered by the Department in that particular semester. However, departments may permit the selection of electives other than those listed against the stream, provided they have relevance to the area of specialization and subject to the approval of the Faculty Adviser.		
	(h)	Students may be permitted to register for a maximum of two B. Tech courses. The concerned departments will identify such courses and get prior approval of the Academic Council.		
	(i)	A student can be permitted to take a Industrial Project in place of Project of one year duration having 32 credits.		
	(j)	Medium of Instruction/Evaluation/etc. shall all be English.		
8.	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 course may consist of 12 experiments for a 2 credit lab (one session per week) or 6 experiments for a 1 credit lab (one session per 2 weeks).		
	(d)	Credit for the seminar, project work and industrial /practical training will be as specified in the curriculum approved by the Academic Council.		

9.	Enrollment and Registration			
	(a)	From the second semester onwards, every student, after consulting his Faculty Advisor, is required to enroll with the Departmental Post Graduation Committee (herein referred to as DPGC) to be constituted by the Dean after the approval of the Vice-Chancellor 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 12 credits and up to a maximum of 24 credits in each semester. However the minimum/maximum credit limit can be relaxed by the DPGC 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 Clause 21 . The number of courses for which they have registered should enable the student to earn the credits required to continue the program.		
	(i)	A candidate admitted to M. Tech Program can exercise an option to exit from the program with a PG Diploma after earning 34 credits (26 Compulsory Core+8 Electives) successfully.		
	(j)	All the course work must be completed during the first two semesters and project/training during the 3 rd and fourth semesters.		
	(k)	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.		
	(l)	During the final project semester, students are not normally permitted to register for courses. However, students who are short of a few credits required for the degree may be allowed to register for one or two courses along with the project under the specific recommendation from the Head of the department. In such cases the project duration may be extended accordingly beyond the normal period with the approval of the Vice Chancellor.		
10.	Attendance			
	(a)	A student must attend every lecture, tutorial and practical class. To account for approved	The Director / Principal of the concerned college may condone	Academic Council

		<p>leave of absence (e.g. representing the University in sports, games or athletics, placement activities, etc.) and /or any other such contingencies like medical emergencies etc., the attendance requirement shall be a <i>minimum</i> 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.</p>	<p>the attendance to the extent of 5 % only and additional / further 5% of the attendance shall be condone by the Vice Chancellor ,i.e. the student having 70% of attendance the Director/ Principal shall permit the student to sit in the examinations by relaxing 5% of attendance and if the student is having 65% attendance then the permission of relaxation of attendance for appearing in the examination shall be permitted by the Vice –Chancellor with the conditions that the head of Institution should forward all the genuine cases after making recommendations to the University for getting the necessary approval. The attendance requirement for the student shall be minimum of 75% of the classes actually conducted. No student shall be allowed to appear at University examinations with an attendance below 65% in any of the registered subjects with the prior necessary approval.</p>	<p>21.22 BoG 20.4 Refer page no 149 to 155</p>
	(i)	NIL	<p>In pursuance of decision taken under Resolution No. 31.38.3 by the Academic Council, Himachal Pradesh Technical University, Hamirpur in its 31st meeting held on 27th July, 2023, the Board of Governors of Himachal Pradesh Technical University, Hamirpur under Resolution No. 29.5 in its 29th meeting held on 21st September, 2024 has approved an additional relaxation of 5 % in the attendance for the students who take active part in Sports and extra-curricular activities. The concerned Dean/Director-Principal may exercise this power on genuine & convincing ground as stated in the notification.</p>	<p>Academic Council 31.38.3 BoG- 29.5 Refer page No.- 156 to 158</p>
	(b)	<p>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.</p>		

	(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.				
11.	Assessment & Evaluation					
	(a)	The assessment of the candidate shall be based on continuous assessment. Each course shall have two components of assessment i.e. Internal Assessment (Component-I) and External Assessment (end semester examination/evaluation-Component-II).				
	(b)	The Internal assessment (Component-I) 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 component-II 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 practical's, training, etc. it shall be carried out jointly by the course Coordinator and External Examiner.				
	(d)	For each subject, there is a passing minimum as follows:				
	(i)	For Internal Assessment 40% (16 out of 40 marks)				
	(ii)	For External/end semester major examination 40% (24 out of 60 marks)				
	(iii)	Overall 40% (40 out of 100 marks).				
	(e)	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					
		Compo nent	Category	Max. Marks		
		I	(a) Teachers Assessment (Assignments/Quizzes)	16		

			(b) Mid- Semester Examination/Test (Two mid-term tests)	20		
			(c) Attendance	04		
		II	End-Semester Examination	60		
			Total	100		
		(ii) Laboratory Courses				
		Component	Category	Max. 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		
		Note: The laboratory courses will be evaluated by the teachers(s) associated with the course and an External Examiner to be appointed by the University on the recommendation of the Head of the Department concerned.				
		(iii) Audit Courses				
		Cours e Status	Marks Obtained	Grade Awarded		
		Audit Pass	≥ 50%	S (Satisfactory)		
		Audit Fail	< 50% ,	U, (Candidate has to repeat the course)		
		(iv) Industrial Work/Training				
		I - Marks to be awarded by the training organization	Technical Quality of the work	25		
			Attendance, Discipline and Involvement	15		
			Interest shown by the student	10		
			Sub Total	50		
		II- Marks to be awarded by the Department concerned	Project Report	15		
			Project Work	15		
			Viva Voce & Presentation	20		
			Sub Total	50		
			Total	100		
		v) Project Work				
		(a)	Every candidate shall be required to submit the thesis/dissertation on a topic approved by the Departmental Research Committee (herein after referred to as DRC) to be constituted by the Dean of the School/Principal of the affiliated			

			college with Head of the Department as the Chairman and two senior faculty as members to oversee the proceedings of the project work from allotment to submission.		
		(b)	The work on the project shall be initiated preferably after the completion of course work. The candidate has to submit, in consultation with his project supervisor, the title, objective and plan of action of his project work to the DRC for its approval. Only after the approval of DRC the student can initiate the Project work.		
		(c)	A candidate shall submit and present two status reports at least with a gap of three months between the initiation and final submission of the thesis/dissertation.		
		(d)	After the completion of project work, the candidate shall submit a draft copy of the thesis to the DRC through the concerned project supervisor and Head of the Department and shall make an oral presentation before the DRC. After the approval of the DRC, the candidate will submit three copies of the dissertation certified by the supervisor to the School/College for further examination.		
		(e)	The dissertation shall be adjudicated by three subject experts (One External and two Internal) approved by the Vice-Chancellor from a panel of five names recommended by the Dean of the concerned School or Principal of the affiliated College in consultation with supervisor and Head of the Department.		
		(f)	If the report of the examiners is not favorable, the candidate shall revise and resubmit the dissertation, in a time frame as prescribed by the DRC. If the report of the Examiners is unfavorable again, the dissertation shall be summarily rejected then the candidate shall change the topic of the Project or Supervisor or both.		
		(g)	If the report of all the examiners is favorable, viva-voice examination shall be conducted by a board consisting of the supervisor, Head of the Department and one of the External Examiner who		

			adjudicated the dissertation. The Board shall jointly report candidate's work by grading it (i) Excellent , (ii) Good or (iii) Satisfactory and assigning the corresponding grade as per Clause 13 .		
		(h)	If a candidate wishes to change his/her supervisor or topic of the project, he can do so with approval of DRC. If so, his date of registration for the Project work shall start from the date of change of Supervisor or topic as the case may.		
12.	End Semester Examinations			Clause: End Semester Examination and passing requirement	
(A)	(a)	The end semester examination shall be conducted by the University.			
	(b)	A student can only appear in the end-semester examination of a course if he/she.			Academic Council 32.13
		(i)	has registered for that course and paid the necessary fees;	A student can only appear in the end semester examination of a Course if he/she.	BoG 29.6
		(ii)	has minimum prescribed attendance;	Has minimum prescribed attendance.	Refer Page No. 159 to 167
		(iii)	has secured the minimum prescribed marks in Internal assessment (Component-I); and	has secured the minimum prescribed marks in Internal Assessment (IA); and	
				has registered for that course and paid the requisite fees;	
		(iv)	should have completed a minimum of 8 / 4 experiments in the lab course and secured the minimum prescribed marks in Internal assessment (Component-I).		
(B)	(32)	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 and 30% marks (e. g. 18 out of 60) in the End Semester Examination (ESE). Academic Council (20.14) BOG -19.5 Page No.- 168 to 181		A student shall be deemed to have passed a course, if the minimum marks (ESE +IA Put together) secured by him/ her is 40%, however a student must secure a minimum of 40% marks (e.g. 16 out of 40) in the IA and 40% marks (e.g. 24 out of 60) in the End Semester Examination (ESE) in absolute grading system for result preparation in regular, re-appear, re-evaluation and improvement and supplementary examination.	Academic council – 27.14 BoG - 26. 9 Page No.- 182 to 185
13.	Grading System				
	(a)	Relative grading will be followed if the number of students registered for a course is greater than 10 (Table 13.1).		Absolute grading will be followed for all the discipline for UG and PG from the academic session 2018-19	Academic Council 21.21
	(b)	The letter grade and the grade point to each student studying a course shall be awarded		Deleted	BoG- 20.4

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		<p>based on the statistical parameters, mean (\bar{x}) and standard deviation (σ) of the distribution of marks. These parameters are defined as follows:</p> $\bar{x} = \frac{\sum_{i=1}^n x_i}{n} \quad \sigma = \sqrt{\frac{\sum_{i=1}^n (x_i - \bar{x})^2}{(n-1)}}$ <p>Where x_i is the aggregate of marks obtained both from continuous assessment if applicable and the end semester assessment by the student in a course. n is the number of students appeared in the course.</p>				Refer page no 186 to 204
		Table 13.1				
		Total Marks secured by the Candidate	Grade	Point Value of Grade	Qualitative Assessment	
		$x_i \geq (\bar{x} + 1.75\sigma)$	O	10	Outstanding	Deleted
		$(\bar{x} + 1.00\sigma) \leq x_i < (\bar{x} + 1.75\sigma)$	E	9	Excellent	Deleted
		$(\bar{x} + 0.25\sigma) \leq x_i < (\bar{x} + 1.00\sigma)$	A	8	Very Good	Deleted
		$(\bar{x} - 0.50\sigma) \leq x_i < (\bar{x} + 0.25\sigma)$	B	7	Good	Deleted
		$(\bar{x} - 2.5\sigma) \leq x_i < (\bar{x} - 0.50\sigma)$	C	6	Average/Fair	Deleted
		$(\bar{x} - 2.0\sigma) \leq x_i < (\bar{x} - 2.5\sigma)$	D	4	Pass (minimum pass grade)	Deleted
		$x_i < (\bar{x} - 2.0\sigma)$	F	-	Unsatisfactory (fail)	Deleted
		-	I	-	Incomplete/Deferred due to Shortage of attendance.	Deleted
		-	Z	-	Absent in the End Semester/ Pending due to other reasons	
		-	S	-	Grade "S" is awarded on satisfactory completion of audit courses.	Deleted
		-	U	-	Grade "U" is awarded for not completing extra-curricular or general Proficiency activity satisfactorily.	Deleted
	(c)	If the number of students registered for a			Absolute grading will be followed	Academic

		course is ≤ 10 , absolute grading system will be followed (Table 13.2).				for all the discipline for UG and PG from the academic session 2018-19	Council 21.21 BoG- 20.4
		Total Marks secured by the Candidate	Grade	Point Value of Grade	Qualitative Assessment		Refer page no 186 to 204
		91 and above	O	10	Outstanding		
		81 and above but less than 91	E	9	Excellent		
		71 and above but less than 81	A	8	Very Good		
		61 and above but less than 71	B	7	Good		
		51 and above but less than 61	C	6	Average/Fair		
		40 and above but less than 51	D	4	Pass (minimum pass grade)		
		Below 40	F	-	Unsatisfactory (fail)		
	(d)	The minimum grade for successfully completing a theory subject is "D" and Practical/ Project/Seminar is "C".				Deleted	
	(e)	A student is considered to have completed a course successfully and earned the credits if he / she secure a letter grade other than F,I and Z in that Course.					
	(f)	In a laboratory course, if a student obtains ≥ 51 marks and is graded as 'D' or 'F' based on relative grading, he/she will be graded as 'C'.				Deleted	Academic Council 21.21 Refer page no 186 to 204
	(g)	A student who obtains 'F' grade has to reappear for the Component-II 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.					
	(h)	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.					
	(i)	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.		
14.	Declaration of Results			
	(a)	The result shall be announced by the Controller of Examination.		
	(b)	<i>The F/I grade once awarded stays in the record of the student and shall be deleted when he/she completes the course successfully later.</i> 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.		
15.	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)	<p>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:</p> $SGPA = \frac{\sum_{i=1}^n C_i G_i}{\sum_{i=1}^n C_i}$ <p>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.</p>		
	(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:		

		$CGPA = \frac{\sum_{i=1}^m C_i G_i}{\sum_{i=1}^m C_i}$ <p>where, 'm' is the total number of subjects the student has registered from the first semester onwards up to and including the semester S.</p>		
	(d)	Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such.		
16.	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 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 pre-requisites if any for the courses offered.		
	(d)	A student shall be allowed to register for a maximum of two 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 by giving a crash course in the subject (optional for theory and compulsory for other courses) for a minimum of 18 contact hours and will be conducted either by the colleges individually or by some in clusters. 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.		
16 (A)	Improvement Term for all UG & PG		Academic Council 35.22	
1	Eligibility		Refer Page No 221 to 225	
(a)	For all UG & PG Courses except Pharmacy			
	The students, who are detained on account of shortage of attendance or on account of internal assessment (IA) having 'I' grade, are eligible to re-register for the course, when it is offered in the next semester, or complete the course if offered during the Improvement Term .			
(b)	For UG & PG Pharmacy Courses			
	The students, who have been awarded 'F' or 'AB' grade(s) in a subject during the regular semester, shall be eligible for the Improvement Term and semester examinations provided they have completed prerequisites, if any, for the courses offered. This is further subjected to adherence to PCI norms.			
2	Improvement Term is not a student's right and will be offered based on availability of faculty and other resources of the college. The students will have to apply for the Improvement Term at their respective college. Further they will have to fill the end semester examination form too for that subject with requisite fee.			
3	Improvement Term may be announced/notified by the Departments/Affiliated Colleges after commencement of semester. A student will have to register for Improvement Term by paying the prescribed fee within the stipulated time as notified by the College. List of students, who have registered for the Improvement Term, will be submitted to the Controller of Examination, HPTU along with the record (including remittance of University fee in the account of Finance officer of HPTU) by the college with copies to the Dean Academic of HPTU, and Finance officer of HPTU within ten days after the last date of registration notified by the institute.			
4	Improvement Term shall be conducted either by the college/department individually or in clusters by giving a crash course in the subject for requisite contact hours, however, the Improvement Term for each course should not be less than 18 contact hours for theory and 9 contact hours for practical.			
5	Student may register for a maximum of three theory subjects and two practical subjects (total five subjects) during the Improvement Term. If a student has been detained in both 'theory and practical' of a subject, these will be considered as two separate subjects for registration purposes (e.g., if a student fails in both the theory and practical components of a subject, these will be treated as separate subjects, i.e., if a subject has theory code XX and practical code XXP, the theory and practical components will be considered as two independent subjects). The student will be required to pay the fee(s) for both the theory and practical components separately.			

6	The time table of Improvement Term should not clash with time table for regular classes.					
7	Guest faculty members, engaged temporarily on lecture basis/SWF faculty, will also be eligible to conduct Improvement Term. Honorarium/Remuneration on this account (Improvement Term) will also be payable to them which will be over and above the honorarium/remuneration admissible to such teacher on their “Engagement on lecture basis/SWF”.					
8.	Fee for Improvement term per subject per student:					
i	Sr · N o.	Component	Total Fee payable by the student (Per Subject)	University fee (10% of Column 3)	Faculty fee (70% of Column 3)	Institutional (College) charges (20% of Column 3)
	(1)	(2)	(3)	(4)	(5)	(6)
	1.	Registration Fee for Theory	₹5000	₹500	₹3500	₹1000
	2.	Registration Fee for Practical	₹2500	₹250	₹1750	₹500
ii	The minimum amount payable to the teacher for theory subject					
iii	The minimum amount payable to the teacher for Practical subject = ₹1750					
iv	*The maximum amount payable to the teacher for theory ₹ 600* X 18 = ₹ 10800					
v	*The maximum amount payable to the teacher for Practical ₹ 250* X 9 = ₹ 2250					
vi	<p>*These are per lecture/practical (per hour) rates which are subjected to change as decided by HP Technical Education department from time to time and will be applicable accordingly.</p> <p>After remitting/depositing the designated fee(s)’ amount as per sub heads of section 6 (above), the balance amount will remain with the college as ‘Institutional (college) charges’ which may be utilized by the concerned Institution/College for activities as per norms of the college.</p>					
17.	Re-view of Answer Scripts					
	In case any student feels aggrieved on the final outcome of the assessment in any course, the student shall apply to the Controller of Examinations, along with the prescribed fee, for the review of end semester examination answer script, within the stipulated time after the declaration of the results of the examination. 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.			Not applicable		Academic Council 22.52 new rules to see/get photocopy of answer book. BoG- 21.16 Refer Page no – 226 to 231
18.	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:		1. A Candidate who has passed the UG & PG examinations of this university and who desires to improve the class will be permitted at his/her option to appear again for the same examination without being required to keep any terms. 2. A candidate who has re-appeared for the above examinations under the provision of improvement fail to improve his/her performance at such re-appearance shall be		Academic Council 22.46 BoG – 20.4 Refer Page no 232 to 234 Again in
	(i)	1. The student has obtained the lowest grade “D” in the course concerned, and				
	(ii)	The CGPA ≤ 6.5				
	(b)	2. Re-registering for a course for				

		betterment, a student can apply after the completion of the degree for one year i.e. next two semesters	ignored.	Academic Council 23.12 BoG- 22.4 Refer Page no 235 to 239
	(c)	For re-registering for a course, the student has to pay the requisite fee as prescribed by the University.	3. A candidate will be allowed to re-appear for the examinations for improvement of classes/grade after the date of passing his/her degrees within the total permissible duration of course.	
	(d)	A student cannot re-register for betterment in courses like Professional Practice in Industries, summer internship, courses having course Structure 0-0-P, mini Project, Project Work, etc.	4. A candidate shall have to improve maximum five subjects of course studied.	
	(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.	5. A candidate will be allowed maximum three attempts for the improvement of his/her grade within the stipulated total permissible duration of course.	
	(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.	6. A candidate appearing for the improvement of class/grade shall not be entitled to get any benefit of any rules/ordinance of the university regarding condonation.	
			7. A candidate appearing for the improvement of class/grade shall not be entitled to get any prize/medal/scholarship/award etc.	
			8. A candidate who has re-appeared for the examination under the provision of improvement of his/her class/grade and improves his/her class/grade by such re-appearance, will have to surrender his /her original degree, statement of marks and passing certificates etc. to the University. In the revise degree certificate, statement of marks and passing certificate, which will be issued to the candidate, mention will be made of the fact that he/she improved his/her class/grade	
			9. It has also been decided that the fee for improvement of class/grade will be at par with the fee for the special chance i.e. Rs. 3,000/- paper.	
19.	Progression to Higher Semester			
	(a)	A student has to earn a minimum number of credits and CGPA in a semester to move to the next semester.	A student shall be allowed to join the next higher semester provided he/she has undergone a regular course of studies in all the previous semester in sequential orders by registering him/herself in the beginning of each semester and who have filled examination form along with examination fee of previous examination.	Academic Council 32.13 All UG and PG courses BoG – 29.6 Refer page no
	(b)	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 has to re-register for the summer term to earn the required minimum credits or join back the 1st Semester to repeat the 1st Year.	However, (i) promotion to 7 th	

	(c)	A student has to obtain a minimum CGPA of 4.0 in order to qualify for continuation of registration at any stage and to move to the next semester.	semester (for direct entry students of B.Tech) will be permissible only if a student has earned 40 credits up to 5 th semester and (ii) for promotion to 7 th semester (for lateral entry students of B.Tech.) will be permissible only if a student has earned 30 credits up to 5 th semester.	240 to 246
20.	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 %, the student has to repeat the subject		
	(c)	A student shall be detained in a semester if he/she remains 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.		
21.	Termination from the Program			
	(a)	A student shall be terminated from the program at the end of a semester if he/she		
	(i)	fails to earn less than 8 credits in the first semester and 18 credits at the end of the second semester.		
	(ii)	Fails to secure CGPA of 4.00 at the end of first semester. <i>However, if the CGPA of any student falls below 4.0, he/she will be issued a warning and if he/she does not make good and continues to get a CGPA less than 4.0 after the completion of second semester also then he/she will be relieved from the program.</i>		
	(iii)	is found to have produced false documents or having made false declaration at the time of seeking admission.		
	(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 beyond 8 semesters.		
	(d)	Under no circumstances a student will be allowed to complete the program after a lapse of 8 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 10 semesters.		
22.	Moderation Committees			
	(a)	Question Paper Moderation Committee: There shall be a Result Moderation Committee of the University consisting of the following members to moderate the Question Paper(s) of the End-Semester Examination if required in view of large number of complaints from the students.		
	(i)	Dean Academic – (Convener)		
	(ii)	One subject expert who shall invariably 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 for 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		
	(iii)	One subject experts to be nominated by the Vice-Chancellor.		
		The above Committee will examine the result of the courses and in case of abnormal situation; it may suggest suitable measures to amend the result or award grace marks in appropriate component as the case may be. The controller of Examinations will place the		

		evaluated answer scripts along with the brief solution and marking scheme before the Committee for appropriate decision.		
23.	Graduating Requirement			
	(a)	A student shall be considered to have completed the program requirement successfully if he/she has		
	(i)	Cleared all courses prescribed for him/her in the discipline;		
	(ii)	Earned a minimum credits specified for the degree; and		
	(iii)	Obtained a minimum CGPA of 4.5 for ordinary degree.		
24.	Award of M. Tech Degree			
	(a)	A student who fulfills the following requirements shall be awarded the M.Tech degree in the appropriate discipline by the University:		
	(i)	Successfully acquired minimum credits as specified in the curriculum corresponding to the branch of his/ her study within the stipulated time;		
	(ii)	Earned the specified credits in all the categories of subjects;		
	(iv)	Secured a CGPA of 4.5 in passed subjects only;		
	(v)	No dues outstanding to the Institute, Hostels, Libraries, etc. and		
	(vi)	No disciplinary action is pending against him / her.		
	(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.		
	(c)	A candidate, depending upon his/her choice' shall be awarded Post Graduate Diploma in the concerned specialization if he/she earns 34 credits successfully after the completion of second semester with a minimum CGPA of 4.5.		
25.	Classification of Awards		Classification of awards in all the courses (UG & PG) of this	

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			University, except PCI regulated, under CBCS/NEP-2020 will be as under:-	
	(a)	A student is awarded I st Class with distinction if he/she passes all the required courses in first attempt within the permitted period and has CGPA more than 8.5. Even if a student takes a 'break of study' on valid reasons and pass all courses in first attempt, shall be eligible to get I st class with distinction.		Academic Council 31.35 BoG – 29.5 Refer page no 248 to 252
	(b)	A student is awarded I st Class if he/she		
	(i)	has a CGPA more than 6.5 at the completion of the required number of credits and		
	(ii)	has passed all the subjects within the normal duration in not more than two attempts.		
	(c)	All the other candidates who qualify for the degree shall be awarded second class.		(c) A student is awarded 1st Class if he/she: (i) Has CGPA of 6.0 or above and below 7.5 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
				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: CGPA 6.5 is equivalent to $6.5 \times 9.5 = 61.75\%$ of marks.		
	(e)	Extra credits earned by the students shall be counted for Honors degree, prizes and awards. However, the grade obtained by re-registration, shall not be considered for the award.		
26.	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 shall be awarded at the end of the terminal semester. Only those students who fulfill the following conditions shall be eligible for ranks/positions:		
	(i)	earned the required minimum credits as per the schedule given in the curriculum without any break; and		
	(ii)	passed every scheduled course in single attempt and		
	(c)	A student fulfilling all the conditions stated in sub-clause 26(b) and obtaining CGPA of 9.5 and above may be recommended by the Academic Council for Outstanding Performance.		
27.	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:		
		<ul style="list-style-type: none"> HPTU has signed an Agreement with the University. 		
		<ul style="list-style-type: none"> A student has to pay the fees for all the remaining years when he/she seeks transfer. 		

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			<ul style="list-style-type: none"> • 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:		
			<ul style="list-style-type: none"> • Universities recognized under section 12(b) of the UGC Act. 		
			<ul style="list-style-type: none"> • Universities as members of the Association of Indian Universities. 		
			<ul style="list-style-type: none"> • Institutions established by the State and Central Governments. 		
			<ul style="list-style-type: none"> • 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.			
28.	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.				
29.	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 provisions not 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 Ordinances shall be subject to ratification by the Appropriate University Authorities. Such actions of Vice-Chancellor shall not be treated as precedence under any circumstances.				
30	NIL		After the implementation of HPTU thesis guidelines, students can submit their thesis up to 31th July without late fee and up 30 th September with late fees. To make similarity in		Academic Council 32.14

		Detail Mark Certificate, it is proposed that Session while student get submitted their thesis (in stipulated period) to the University may be written/ given in Detail Mark Certificate (DMC) for M.Tech/ M. Pharmacy Courses. E.g. if a student enrolled in M.Tech/M.Pharmacy, 4 th semester in the academic session May, 2018 and submitted the thesis in academic session May, 2022 then session will be given to student as May, 2022.	BoG 29.5 Refer page no – 279 to 280
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Annexure- I

LIST OF CURRENTLY RUNNING POST-GRADUATE DEGREE PROGRAMMES

Sr. No.	Program
1	Civil Engineering
2	Computer Science & Engineering
3	Electronics & Communication Engineering
4	Electrical Engineering
5	Mechanical Engineering
6	Electrical & Electronics Engineering

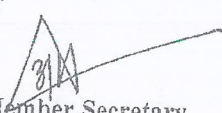
(c)	The F/I grade once awarded stays in the record of the student and will be deleted when he/she completes the course successfully later. The grade acquired by the student will be indicated in the grade card of the appropriate semester with an indication of the month and year of passing of that course.	(c)	No change
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Item No. 32.14 To consider and approve amendments in session to be printed/shown on 4th Semester in Detailed Marks Certificate for the Courses namely M. Pharmacy and M.Tech.

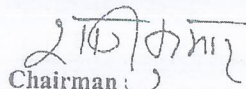
The Academic Council considered the existing provisions and approved the amendments in the existing provisions as mentioned hereunder:-

Existing	Amendments approved
As per previous practice, in detailed marks certificate of M.Tech./M.Pharmacy in 4 th semester session was given when student is enrolled as a regular candidate in the semester e.g. if a student enrolled in M.Tech./ M. Pharmacy 4 th semester in the academic session May, 2018 and submitted the thesis in academic session May 2022 then as per practice the session given to the student is May, 2018.	A student can submit his/her dissertation upto 31 st July of every year without late fee and upto 30 th September of every year with late fee. To make similarity in Detailed Marks Certificate, it is approved that when a student submits his/her thesis within the stipulated period to the University, the session may be mentioned in the Detailed Marks Certificate (DMC) for M.Tech./M. Pharmacy courses e.g. if a student is enrolled in M.Tech/M. Pharmacy in 4 th semester in the academic session May, 2018 and has submitted his/her thesis in academic session May, 2022, then session will be shown in the Detailed Marks Certificate of student as May, 2022.

The meeting ended with a Vote of Thanks to and from the Chair


Member Secretary
Academic Council

Confirmed by


Chairman
Academic Council

Item No. 29.6 To consider the recommendations of 32nd Meeting of Academic Council held on 20th September, 2023 at Himachal Pradesh Technical University, Hamirpur (H.P.)

The Minutes of 32nd Meeting of Academic Council held on 20th September, 2023 under the Chairmanship of Prof. Shashi Kumar Dhiman, Vice Chancellor, Himachal Pradesh Technical University at Hamirpur (HP) are placed for approval please.

Resolution

The Board of Governors taken following decisions in respect of items recommended by the Academic Council of Himachal Pradesh Technical University in its minutes of 32nd meeting held on 20th September, 2023:-

Item No. 32.1	Confirmed the minutes of meeting of Academic Council held on 27 th July, 2023.
Item No. 32.2 to 32.14	Approved the items. However decided that matters regarding new engagement of Guest Faculty may be placed in Finance Committee in future.

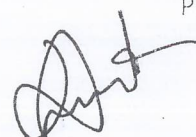
Item No. 29.7 To consider the recommendations of 33rd Meeting of Academic Council held on 23rd January, 2024 at Himachal Pradesh Technical University, Hamirpur (H.P.)

The Minutes of 33rd Meeting of Academic Council held on 23rd January, 2024 under the Chairmanship of Prof. Shashi Kumar Dhiman, Vice Chancellor, H.P. Technical University at Hamirpur (HP) are placed for approval.

Resolution

The Board of Governors taken following decisions in respect of items recommended by the Academic Council of Himachal Pradesh Technical University in its minutes of 33rd meeting held on 23rd January, 2024:-

Item No. 33.1	Confirmed the minutes of meeting of 32 nd meeting of the Academic Council held on 20 th September, 2023.
Item No. 33.2 to 33.6	Approved the items.
Item No. 33.7	Decided to place the item in the next meeting of Finance Committee.
Item No. 33.8 to 33.11	Approved the items.
Item No. 33.12	Decided to place the item in the next meeting of Finance Committee.
Item No. 33.13	Approved to defer the item.
Item No. 33.14 to 33.16	Approved the items.
Item No. 33.17.1 to 33.17.4	Approved the items.



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