VEER MADHO SINGH BHANDARI UTTARAKHAND TECHNICAL UNIVERSITY

(Formerly Uttarakhand Technical University, Dehradun Established by Uttarakhand State Govt. wide Act no.415 of 2005)
Suddhowala, PO-Chandanwadi, Premnagar, Dehradun, Uttarakhand (Website-www.uktech.ac.in)

ORDINANCE

For

Master of Technology (Part Time)

Programme

(For admission in 2023-24 and onwards)

Approved in 16th meeting of Executive Council of Veer Madho Singh Bhandari Uttarakhand Technical University, Dehradun held on 04th January 2024

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VEER MADHO SINGH BHANDARI

UTTARAKHAND TECHNICAL UNIVERSITY

Dehradun, Uttarakhand-248007, INDIA

Ordinance

for

Master of Technology (Part Time) Programme
M.Tech. PART-TIME

(w.e.f. 2023-24 and onwards)

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This Ordinance is for 3 years part time Master of Technology (Part-Time) programme of six semesters.

1.   Admission:

1.1   Admission to first year of M.Tech (Part-Time) three years part-time programme will be made as per the rules prescribed by Academic Council of VMSB Uttarakhand Technical University, Dehradun.

1.2   Admission on migration of a candidate from any other University to this University is not permitted.

2.   Eligibility:

2.1.   The minimum qualifications for admission to M.Tech (Part-Time) programme will be as per AICTE norms approved by Academic Council of the University.

2.2.   The minimum qualification and experience for admission to M.Tech (Part-time) programme shall be as follows:

   (a) Qualification as per clause 2.1 above and
   (b) Minimum two years working experience in any Organization/Institution.
   (c) Presently working in any Organization/Institution at a distance of not more than 50 Kilometers from the Institute.
   (d) For General/OBC candidates 60% marks in B. Tech/BE or equivalent (Civil/Electrical/Mechanical/Industrial/Chemical/Electronics/Computer).
   (e) For SC/ST candidates 55% marks in B. Tech/BE or equivalent (Civil/Electrical/Mechanical/Industrial/Chemical/Electronics/Computer).
   (f) Candidates having 60% marks and valid qualified GATE score for General/OBC candidates and 55% of marks and valid qualified GATE score SC/ST candidates will be given preference in admission.
   (g) NOC from the employer.

2.3.   Direct admission on vacant seats at institution/college level.

   The eligibility criteria for direct admission/sponsored admission on seats remaining vacant after counseling may be filled as notified from time to time by University.

2.4.   Academic Council shall have power to amend or repeal eligibility criteria laid down on adopting new guidelines of AICTE/UGC.

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3.   Duration of Course:

3.1.   M. Tech (Part Time) is 3 year (6 semesters) programme. There are two regular semesters in a year. The semester that usually begins in July (July to November/December) is known as the Odd Semester and the semester that usually begins in December/January (December/January to May) is known as the Even Semester. Academic session may be scheduled in the winter/summer vacations as well.

3.2.   Maximum time allowed for a candidate admitted in M.Tech (Part-Time) for completing M.Tech (Part-Time) is 5 years, failing which he/she shall not be allowed to continue his/her M.Tech. (Part-Time) Degree.

4.   Curriculum:

4.1.   The 3 years curriculum has been divided into 6 semesters and 1 year curriculum is divided into 2 semesters. It shall include lectures, tutorials, practical, seminars, project, dissertation etc. required for the degree course as prescribed in the scheme and instructions issued by the University from time to time.

4.2.   The curricular and co-curricular along with extra-curricular activities may be prescribed by University if AICTE guide lines are prescribed on the issue.

4.3   **Curriculum Structure**

The University follows a specialized credit based semester system. Every Programme will have a specific curriculum for all semesters (Semester 1 to Semester 6) with a syllabi consisting of Theory, Practical, Project work, Dissertation etc. as given below and shall be in accordance with the prescribed syllabus. The subjects shall be covered through lectures, Tutorials, laboratory classes, seminar, projects work, dissertation etc. as prescribed by university. The curriculum structure comprises of broad segments as tabulated below.

Knowledge Segments	Credits
Mathematics	5
Professional core courses	19
Professional Electives	13
Open Electives	3
Research Methodology and IPR	2
Seminar	3
Project	6
Dissertation	21
Total academic credits for M.Tech.(Part-Time) degree	**72**

5.   Attendance:

Every student is required to attend all the lectures, practical's and other prescribed curricular and co-curricular activities. The attendance can be condoned on medical ground or for other genuine reason beyond control of student but the attendance can be condoned only up to 20% only. Attendance will be deciding criteria for permission to appear in the examinations. It will be applicable subject wise and attendance will be counted from the date of admission in the course and first teaching class begins of the subject. The percentage of attendance will be estimated on the total classes held and the classes attended by the candidate.

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6. Examination:

6.1. The performance of a student in the semester shall be evaluated through continuous class assessment and end semester examination. The continuous assessment shall be based on class tests, assignments, tutorials, quizzes, viva voce and attendance. The marks for continuous assessment shall be awarded at the end of the semester (sessional marks). The end semester examination shall be comprised of written papers, practicals, viva voce, project work, design report, seminar and dissertation evaluated by supervisors and external evaluators with open defense.

6.2. Scheme of examination will be provided on each aspect and accordingly statement of marks will be prepared for records and award of M.Tech (Part-Time) degree.

6.3. The marks obtained in a subject shall consist of marks allotted in end semester theory paper, practical examination and sessional work. The grade will be awarded based on marks obtained as per Clause 10. The "F" grade denotes the failure in passing respective subjects and student has to make another attempt to pass the subject as per the provisions of this Ordinance.

6.4. The minimum pass marks in each theory subjects shall be 50% (including sessional marks) with minimum 40% in each theory papers in the end semester examination. If there is no sessional mark prescribed for theory papers then 50% will be minimum passing marks.

6.5. Project/Practical shall be 50% minimum marks to be declared pass and dissertation 70% marks will be minimum to be declared pass.

6.6. Aggregate of marks obtained by candidate to declare pass in M.Tech (Part-Time) shall be 50%.

7. Unfair Means:

7.1. If unfair means is adopted by the M.Tech (Part-Time) student, the subject evaluation will be cancelled and candidate has to reappear in the examination, whenever conducted by the University.

7.2. Dissertation must be candidates own work written with similarity index being less than 20% as per similarity check software prescribed by the University. If Plagiarism is found in the dissertation with sufficient proof, the M.Tech (Part-Time) degree will be made null and void at any stage.

8. Grace marks: In M.Tech. (Part-Time) grace marks will be nil.

9. Structure of Grading of Academic Performance:

The following shall be the structure of grading for academic performance of the students:

9.1 Award of Grades:

Students obtaining grades O to P, shall be declared pass. Students failing in subject will be awarded F grade. The grades shall be decided on the aggregate of evaluation of all the components like: -
Three written tests: CT-1, CT-2 and End Semester Examination Assignments, Quizzes, tutorials, practicals and regularity in attendance etc.

Practical, Project and dissertation shall be evaluated & graded as per guideline.

Structure of Grades and Grade Points:

Grades	Grade Point (GP)	% of Total Marks obtained in the course
O-Outstanding	10	90% and above
A+-Excellent	9	85% and above but less than 90%
A-Very Good	8	80% and above but less than 85%
B -Good	7	70% and above but less than 80%
C -Average	6	60% and above but less than 70%
P-Pass	5	50% and above but less than 60%
F-Fail	0	Less than 50%
AB- Absent	-	Absent

The "W" grade is awarded to a student if he/she is allowed to withdraw for an entire Semester only if he/she has been on authorized absence from the Institute/University on medical grounds for a period exceeding four weeks and informed to the University in time. The "I" grade is awarded to a student who is unable to complete the course.

9.2 Evaluation of Performance:

The performance of a student will be evaluated in terms of two indices, viz., the Semester Grade Point average (SGPA) which is the Grade point Average for a semester and Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point in time. The SGPA is calculated on the basis of grades obtained in all courses, except audit/non-credit courses, registered in the semester.

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

where C_i = Credits of the registered subject

G_i = Grade point awarded to the student in the registered subject

s = Total number of registered subjects in the semester, except audit/non-credit courses. Here the failed courses are also accounted.

The overall Grade of a student in the program of study upto the end of a particular semester shall becalled Cumulative Grade Point Average (CGPA). CGPA shall be calculated on the basis of all grades, except audit courses, obtained in all completed semesters as follows:

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

where C_i = Credits of the registered subject

G_i = Grade point awarded to the student in the registered subject

n = Total number of registered subjects, except audit/non-credit Courses. Here the failed courses are also accounted.

The SGPA and CGPA will be rounded off to 2 decimal points and reported in marksheet, transcripts, etc.

Conversion of Grade in to percentage: The performance of the students is measured in terms of CGPA (on a 10 point scale) as defined above. The equated percentage shall be equivalent to CGPA x 9.5.

Award of Division:

First Division - CGPA of 6.5 and above but less than 10 CGPA (First Division with Distinction will be awarded to those securing CGPA of 8 and above but less than 10 CGPA provided they pass all the examinations in first attempt)

Second Division- CGPA of 5 and above but less than 6.5 CGPA

Definition of Credit:
1 Hr.Lecture (L) per week	1 Credit
1 Hr.Tutorial (T) per week	1 Credit
2 or 3 Hours Practical (P) per week	1 Credit

Essential Credits for M.Tech (Part-Time) Degree: The credits essential for obtaining the M.Tech (Part-Time) Degree in a particular specialization is 72 credits for admissions in 3 year M.Tech (Part-Time) degree.

10. Earned Credits (EC):

The credits assigned to a course in which a student has obtained "P" (minimum passing grade) or a higher grade will be counted as credits earned by him/her.

11. Promotion:

11.1 A student has to usually earn a minimum 12 number of credits in a semester to be eligible to register for the new subjects offered in the next semester. But in odd semesters if this requirement is not met, the student is to be forewarned and allowed to continue to the next even semester. However at the end of even semesters this requirement will be strictly implemented as detailed in "Eligibility criteria for registering in higher semesters". Students who do not meet this requirement detailed in Table 1 is not permitted to register for new course in the higher semesters. They have to either register for appearing in examination of the failed course in normal semesters in which they are offered course(s).

Table 1: Eligibility Criteria for Registering in Higher Semesters for 3 year M.Tech. (Part-Time) Programme

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Semester	Allotted Credits	Cumulative Credits	Minimum cumulative credits required to register for courses in higher semester
First	14(14+3*)	14	Not insisted
Second	08(08+3*)	22	22
Third	12 (12+3*)	34	Not insisted
Fourth	08 (08+3*)	42	42
Fifth	15	57	Not insisted
Sixth	15	72	--

Optional credit course to students and it is not mandatory to promote in the next academic year. The marks of these optional subjects will be displayed in mark sheet.

Faculty advisors (Head of Department to designate One Faculty advisor) shall monitor advice and support the students for this. Institute shall make necessary arrangement to inform the students about the minimum cumulative credits requirement to register for higher semester as in Table1.

11.2 The candidate shall appear in the theory papers which does not satisfy clasue11.1only two times after main examinations, otherwise has to leave the M.Tech (Part-Time) course.

11.3 There shall be no carryover in M.Tech (Part-Time) 3rd year.

11.4 Project/Dissertation duration will be one year and RDC (PG) will monitor the progress of the candidate on the topic at least two times before permission to write dissertation.

12 Evaluation of Dissertation:

12.1 Supervisor will submit at least three members expert list from relevant area with complete name & address and Head of Institution will designate one name outside the institute for evaluation of M.Tech. (Part-Time) dissertation and supervisor will evaluate independently.

12.2 If the mark is less than 70%, then candidate has to resubmit his/her dissertation for next evaluation.

12.3 The internal assessment marks will be awarded based on evaluation of progress made by student in the work at least three times in a semester. Each evaluation will be of equal weightage. Total internal marks will be sum of :
i)Progress review   -   60%
ii)Supervisor assessment   -   40%

12.4 There will be open defence of M.Tech (Part-Time) dissertation before external evaluator and any one of the two Professor/Associate Professor nominated by Head of Institution. The aggregate marks will be sum of marks awarded individually by External evaluator + Nominated internal teacher (Professor/Associate professor) + Supervisor during viva-voce examination i.e. open defence. The marks distribution will be on the following basis

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Quality of work	-	200
Report	-	100
Presentation	-	100
Viva-voce	-	50

12.5 It is compulsory for every student to submit/publish a research paper in SCI/Scopus/UGC indexed journal or national/ international conference before submission of thesis and also submit the similarity check report of originality being not less than 80% as per similarity check software prescribed by University.

13. Results:

The result of a candidate shall be declared on the basis of performance of both semesters of the same academic year by the University.

14. Award of Rank and Medals:

On the basis of final year result, the top three candidates in branch of M..Tech (Part-Time) shall be awarded rank according to their merit provided they pass all the examinations in first attempt in the minimum duration prescribed for the programme.

15. Cancellation of Admission:

The admission of a student at any stage of study shall be cancelled if:

He/She is not found qualified as per AICTE/State Government norms/Guidelines or the eligibility criteria prescribed by the University.

or

He/She is found unable to complete the course within the stipulated time as prescribed in Clause 3.2.

or

He/She is found involved in creating indiscipline in the Institution/ College or in the University.

or

The University can cancel the admission of any student who fails to submit the prescribed documents by the specified date or to meet other stipulated requirement(s). The University may also cancel the admission at any later stage if it is found that the student had supplied false information or suppressed relevant information while seeking admission.

The University reserves the authority to withdraw the degree conferred to a candidate on account of any discrepancy in the candidature observed at later stage.

16. Change of College:

As it is a specialized programme hence change of College shall not be permitted.

17. The Academic Council shall have the power to amend/relax any provision provided in the ordinance in any specific matter/situation subject to the approval of Executive Council of the University & such decision(s) shall be reported to the Chancellor of the University.

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