



KAKATIYA UNIVERSITY, WARANGAL, TELANGANA
M.TECH (MINE PLANNING) Three (3) YEARS PART TIME COURSE
RULES AND REGULATIONS
WITH EFFECT FROM 2019-2020 ONWARDS

1.0 MINIMUM QUALIFICATION FOR ADMISSION

The candidates should have passed BE/B. Tech./AMIE in Mining Engineering or Mining Machinery Engineering or equivalent. The candidates must qualify the entrance test examinations conducted by the University.

2.0 ELIGIBILITY FOR ADMISSION

- 2.1 The candidates should have passed BE / B.Tech./AMIE in Mining Engineering or Mining Machinery Engineering or equivalent.
- 2.2 The candidates must be regular employee with the sponsoring agency for at least two years, after obtaining the qualifying degree.
- 2.3 The sponsoring agency must be a Government establishment or a public-sector undertaking, or a reputed private engineering college
- 2.4 The sponsoring agency shall issue the No Objection Certificate for pursuing the M.Tech PTPG course.
- 2.5 The selected candidates must relocate their work place within the radius of 50 km from the college.

3.0 HOW TO APPLY

A candidate seeking admission into M.Tech PTPG programme will have to apply in a prescribed form as per admission Notification issued by the Director, Admissions, KU or the Principal, UCE, Kothagudem.

4.0 THE PROGRAMMES OF STUDY

The programs of study prescribed for the degree of Master of Technology shall provide for specialization in the following branch.

- 4.1 Mining Engineering with a specialization of Mine Planning.

5.0 DURATION AND COURSE WORK

- 5.1 The duration of the part time M.Tech programme is 3 years having six semesters. The first two years or four semesters of M.Tech PTPG will be class work and the last one year or last two semesters of M.Tech PTPG will be Dissertation work and comprehensive viva -voce.
- 5.2 The class work consists of eight core subjects, four electives, four laboratories and two seminars. The last two semesters consist of comprehensive viva voce, Dissertation seminar and Dissertation work.



5.3 Each semester of the M.Tech PTPG Programme shall consist of 18 weeks of instruction, including the period of mid-session tests and the University examinations.

5.4 Fifth and Sixth semesters of the M.Tech PTPG shall consist of 24 weeks of dissertation work.

6.0 ATTENDANCE REQUIREMENTS

6.1 Attendance requirements of a semester shall be deemed to have been satisfied provided:

6.1.1 The candidate puts in a minimum attendance of 75 percent in each course of instruction prescribed for the semester.

6.2. A candidate, who failed to satisfy the above requirements of attendance shall be detained and will not be permitted to appear at the University examinations. A maximum of 10% of attendance can be condoned, on medical grounds, by the Vice-Chancellor of Kakatiya University with a prior intimation for all the courses of that semester.

7.0 CONFERMENT OF THE DEGREE

The degree of Master of Technology in a specified Branch of Engineering will be conferred on a candidate who has fulfilled the following conditions.

7.1 The candidate, after admission to the first year of the three year M.Tech PTPG Program, has to pursue a regular course of study for three academic years and

7.2 The candidate must have satisfied the academic requirements of the specified field of specialization in each semester / year herein after prescribed.

8.0 REGISTRATION

8.1 All the students are required to get themselves registered for the course work by paying the prescribed tuition fee and other fee before the start of course work of each semester failing which they shall not be allowed to attend the course work prescribed for that semester.

8.2 Candidates detained due to shortage of attendance are to register within 7 days of commencement of semester with the approval of Kakatiya University failing which they shall not be allowed to attend the course work prescribed for that semester.

8.3 Registration shall be the sole responsibility of the student.

9.0 EVALUATION



- 9.1 The performance of the student in every semester thereafter shall be evaluated course-wise as detailed in the scheme of instruction and evaluation.
- 9.2 The pattern of allocation of marks for University Examinations and sessional work shall be the following.

9.2.1 Theory courses:

University Examinations (U.E)	70
Internal Evaluation (I.E)	30

9.2.2 Laboratory/Seminar/Comprehensive Viva/ Dissertation Work

Examinations	Lab	Seminar	Comprehensive viva voce	Dissertation
University Examinations	50	--	100	200
Internal Evaluation	50	100	--	100

- 9.3 Internal evaluation of theory courses in each of the semesters shall be based on two mid-session tests of two hours duration. Best of the two tests shall be considered for the award of internal marks.
- 9.4 For the elective course, the department has the “choice” not to offer the elective course if five or less than five students only have opted for the course.

9.5 Guidelines for Evaluating Laboratory Classes

The evaluation of Laboratory classes should be divided in to two major components namely, Evaluation on a continued basis and end semester test for internal evaluation.

Component 1: (Evaluation on continued basis)

It is recommended to allocate 35 marks to this component. These marks are to be awarded for every experiment carried out by the student in his/her regular practical class on weekly basis.

Component 1.1: Experiment (20 marks)

The student is required to write the principle, theory and calculation method of the experiment allotted to him either in the observation notebook or on a separate sheet immediately after entering the laboratory. At the end of the experiment the student should show the observations and the result to the teacher. The marks of this subcomponent are to be awarded taking all the points mentioned above into consideration.

Component 1.2: Submission of Record Book (15 marks)

The student has to submit the practical record book updated every week. The teacher has to ask a few viva questions based on the experiment carried out by the student in



the previous class. The marks awarded in this sub-component should be reduced depending on the extent of delay in the submission of record book.

The marks of component 1.1 & component 1.2 are to be entered separately by the staff members in students attendance registers regularly.

Component 2: (Evaluation at the end of the semester): (15 Marks)

An internal assessment laboratory test and the viva-voce are to be conducted at the end of the semester.

9.6 Guidelines for Seminar

9.6.1 The Students of M.Tech. III and IV semester are to register a relevant topic within 4 weeks of commencement of semester class work and submit the same to the department.

9.6.2 Evaluation of seminar consists of two components namely Report (50 marks) and Presentation (50 marks)

9.6.2.1 Report: Students are required to submit a report on the chosen seminar topic as per the prescribed format and last date specified by the Departmental Post Graduate Review Committee (DPGRC)

9.6.2.2 Presentation: The students are required to deliver the seminar before the DPGRC as per the schedule notified by the department.

DPGRC will decide the course of action on the students who fail to submit the report and present the seminar.

9.7 Guidelines for Dissertation

The Department Post-Graduate Review committee is to be constituted with 5 members i.e. Chairman – Head of the Department, Convener – M.Tech Coordinator and 3 other faculty members including supervisor.

The committee is to evaluate the progress of the Dissertation (project work phase –I) conducting 2 presentations in fifth semester and monthly presentations in sixth semester.

V Semester (Project Phase –I)

Total Marks: 100

50 marks for presentations

50 marks for regular evaluation by supervisor

1st presentation (Registration Seminar): after 6 weeks from the commencement of the semester, the candidate has to give a Registration seminar (25 marks). The



Registration Seminar is on the proposed project for dissertation (problem specification and expected outcome).

2nd presentation (Progress Seminar): after 12 weeks from the commencement of the semester, the candidate has to give a progress seminar (25 marks). The progress

seminar on status of the dissertation, work already carried out, balance of work to be carried out.

VI Semester (Project Phase –II & Dissertation) Total Marks: 200

Synopsis Seminar: Together with synopsis a presentation to be made and the dissertation should be demonstrated two weeks before the submission date.

Supervisors are to evaluate the Dissertation regularly, based on the progress report submitted by the students every week and the same should be recorded for 100 marks. The rest 100 marks will be evaluated during the final presentation.

Project work will be carried out in V and VI semesters under the supervision of a faculty member from within the respective department. Students may be permitted to work under the joint guidance of two members of the faculty. In this case, one of the guides may be from an allied department.

A student may, however, be permitted by the Head of the Department concerned to work on a project in an Industrial / Research organization for their dissertation work. In such case, the faculty guiding the student shall be called the internal guide and the scientist / manager guiding the student (at the site) shall be called the external guide. No student will be allowed to submit the project report before 48 weeks and after 52 weeks from commencement of V semester.

The DPGRC will decide the course of action on the students who fail to submit the dissertation.

10.0 Guidelines for Comprehensive Viva-voce:

Comprehensive Viva-voce examination would be conducted with both Internal and External Examiners as panel members immediately after the end of V semester along with the project phase - I. It would be evaluated for 100 marks. All the members of the faculty should also be present for the same.

11.0 MINIMUM REQUIREMENTS FOR PASSING A COURSE:

- 11.1 A candidate shall be deemed to have passed in a course if he/she secured 40 percent of the marks assigned to the University examination of the course, and
- 11.2 50 percent of the marks assigned to the sessionals and University examination of the course taken together or candidate must have a grade of D (CGPA of 6).

12.0 EXAMINATIONS



- 12.1 Examinations for each semester will be conducted once in an academic year.
- 12.2 A candidate who failed in a course (theory or practical) can appear at a subsequent University examination in the same course. However, the sessional marks secured by the candidate in that course during the semester of study shall remain unaltered.
- 12.3 Any candidate appearing for examinations in any subject, after three years from his admission will be governed by the syllabus in force.

13.0 ELIGIBILITY FOR AWARD OF DEGREE

- 13.1 A candidate shall be deemed to have satisfied the requirements for the award of the M.Tech (Mine Planning) PTPG course provided he/she passes in all the courses including dissertation prescribed in the scheme of instruction within a period of six consecutive years from the year of admission to the programme.
- 13.2 A candidate who fails to fulfill all the requirements for the award of M.Tech PTPG degree in a period of six consecutive academic years from the year of his/her admission to the M.Tech programme shall forfeit his/her enrolment to the programme.
- 13.3 A candidate who is permitted to discontinue may rejoin the course at the appropriate semester only along with the regular students at the time of normal commencement of that semester.
- 13.4 A candidate who discontinues and rejoins shall be governed by the rules, regulations, courses of study and syllabus in force, at the time of his/ her rejoining the course.
- 13.5 A student may be permitted by the Head of the Institute to withdraw from the programme for a year, for reasons of ill-health or other valid reasons on the recommendation of the Head of the Department. Such student who discontinues and rejoins shall be governed by the rules, regulations, courses of study and syllabus in force, at the time of his/ her rejoining the course.

14.0 AWARD OF DIVISION

First Class with Distinction	:	CGPA 8 and above
First Class:	:	CGPA 7 and above
Second Class:	:	CGPA 6 and above and less than 7

The candidates are eligible for the award of First Class with Distinction with a CGPA of 8 and above in a single attempt.

15.0 AWARD OF GRADES

- 15.1 The grades are awarded based on the combined marks secured in the sessionals and university end examinations are given in Table 1.



Percentage of Marks obtained (Internal + University)	Grades	Grade Points
90 and above	EX	10
80 – 89	A	9
70 – 79	B	8
60 – 69	C	7
50 – 59	D	6
Less than 50	F	0

- 15.2 The memorandum of marks of a candidate will reflect the grade secured by him/her as per grading criteria mentioned in Table 1.
- 15.3 There are no minimum marks criteria for the internal examinations of the theory and practical's.
- 15.4 A minimum grade point average for a CGPA of 6 is required for the award of the degree. The consolidated memorandum of marks will reflect the credits or grades scored in each subjects.

16.0 SEMESTER & CUMULATIVE GRADE POINT AVERAGE

16.1 Semester Grade Point Average (SGPA)

In each subject, grade points obtained in that subject is multiplied by the credits allotted to that subject. Let this be called as product.

The quotient obtained by dividing the sum of all products of that semester with sum total of credits of that semester is Semester Grade point Average (SGPA).

$$\text{Semester Grade Point Average} = \frac{\sum (\text{Grade point} \times \text{Credits})}{\sum \text{Credits}}$$

16.2 Cumulative Grade Point Average (CGPA)

In each subjects, grade points obtained in that subject is multiplied by the credits allotted to that subject. Let this be called as product.

The Cumulative Grade Point Average (CGPA) is obtained by dividing the sum total of all products of all semesters with sum total of all credits of all semesters.

$$\text{Cumulative Grade Point Average} = \frac{\sum (\text{Grade point} \times \text{Credits})}{\sum \text{Credits}}$$



If the third digit of the decimal part of SGPA or CGPA is 5 or more, the second digit is increased by one and third digit is not considered. In all other cases, only two digits in the decimal part is considered.

17.0 GENERAL

17.1 The award of degree to a candidate shall be withheld if:-

17.1.1 He/she has not cleared dues to the institution / Hostel and/or

17.1.2 A case of disciplinary action is pending against him/her

17.2 The marks secured in sessional evaluation and University examinations shall be shown separately in the marks sheet.

17.3 Whenever ambiguities arise in interpreting the regulations, the Standing Committee of Kakatiya University shall have the power to make rules or to issue clarifications for removing such ambiguities.

17.4 The Academic Regulations should be read as a whole for purposes of any interpretation.

17.4.1 These academic regulations shall come into force from the year 2018-2019 for the batches of students who will be admitted in 2018-2019 and subsequent academic years.

17.5 The Total duration for the course shall normally be 36 calendar months. No course shall commence more than once in an academic year.

17.6 A candidate shall have to appear in overall comprehensive Viva-voce examinations as laid down in the schemes of instruction and evaluation.

17.7 A candidate who has completed the course work in first four semesters shall be required to register in fifth semester of M.Tech to the dissertation and comprehensive viva voce and defend it through oral Examination after the sixth semester.

17.8 A candidate who fails in the oral examination for dissertation shall have to defend it again as per recommendation of the Departmental Post-Graduate Review Committee.

17.9 For evaluation of each theory examination there shall be one examiner will be appointed by the Kakatiya University. Theory papers evaluated in such manner shall be subjected to moderation as per the norms of the Kakatiya University.

For laboratory examination there shall be two examiners, one from Kakatiya University (internal examiner) and another from outside Kakatiya University (external examiner). In case the external examiner does not turn up, another internal examiner appointed by Chief Superintendent of Exams will conduct exam as per schedule.

17.10 An examination board will be set up for comprehensive Viva-voce for M.Tech course as per scheme of instruction and evaluation. The Boards shall consist of the following.

a. Four internal faculty including the Chairman of DPGRC and

b. One external examiner.

The Chairman, DPGRC and the external examiner will award marks.

17.11 For each dissertation examination there shall be a panel of examiners consisting of one supervisor and one external examiner.