
CMR COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC Autonomous)

Kandlakoya, Medchal Road, Hyderabad – 501 401

Academic Regulations R18 for B. Tech. with Minor Programme

(Effective from the Academic Year 2022-23 onwards)

1. Introduction

- 1.1. The philosophy behind Engineering as an academic discipline has been to orient the knowledge seekers in a manner that shatters the theoretical boundaries and pushes them into the realms of a practical world view.
- 1.2. The emphasis of CMRCET has always been to orient the students towards the technologies that shall drive the world in the years to come; with this philosophy the Institute has decided to launch the Bachelor of Technology in a particular branch with minor in a specified Programme (Ex. B. Tech. in Civil Engineering with Minor in AI&ML) from the AY 2022-23 onwards.
- 1.3. The Bachelor of Technology (B. Tech.) with Minor Programme focuses on the fundamental principles of multiple Engineering disciplines, critical & analytical thinking and the ability to develop a distinctive approach to the interdisciplinary problems.

2. Objectives

The key objectives of offering B. Tech. with Minor Programme are:

- 2.1. To expand the domain knowledge of the students in one of the other branches of engineering.
- 2.2. To increase the employability of undergraduate students keeping in view of better opportunity in interdisciplinary areas of engineering & technology.
- 2.3. To provide an opportunity to students to pursue their higher studies in the inter-disciplinary areas in addition to their own branch of study.



PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.

2.4. To offer the knowledge in the areas which are identified as emerging technologies/thrust areas of Engineering.

3. Minor Programmes and the offering departments

S. No.	Minor Programme	Eligible branch of students	@Offering Department	Award of Degree
1.	Artificial Intelligence & Machine Learning	All branches, except B. Tech. in CSE (AI&ML) /B. Tech. (AI&ML)/ B. Tech. (AI&DS).	CSE(AI &ML)	“B. Tech. in branch name with Minor in Artificial Intelligence & Machine Learning”
2.	Cyber Security	All branches, except B. Tech. in CSE (Cyber Security)	CSE (Cyber Security)	“B. Tech. in branch name with Minor in Cyber Security”
3.	Data Science	All branches, except B. Tech. in CSE (Data Science/ B.Tech-AI&DS	CSE (Data Science)	“B. Tech. in branch name with Minor in Data Science”
4.	Innovation and Entrepreneurship	All branches.	MBA	“B. Tech. in branch name with Minor in Innovation and Entrepreneurship”

Note: @ As per AICTE guide lines.

4. Academic Regulations for B. Tech. Degree with Minor Programmes

4.1 The weekly instruction hours, internal & external evaluation and award of grades are on par with regular 4-Years B. Tech. Programme.

4.2 For B. Tech. with Minor, a student needs to earn additional 18 credits (over and above the required 160 credits for four years B. Tech degree/ 122 credits for three years B.Tech degree of



Lateral Entry students). The list of courses of each Minor Programme, their respective credits weightage and semester-wise break-up of the courses are as given in subsequent paras. All the courses of the Minor degree course structure need to be registered in III year and IV year only.

- 4.3 After registering for the Minor Programme, if a student is unable to earn all the required 18 credits in a specified duration (twice the duration of the Minor degree Programme only for appearing the supplementary examinations), he shall not be awarded Minor degree. However, if the student earns all the required 160 credits of four years B. Tech degree/ 122 credits for three years B.Tech degree of Lateral Entry students, he will be awarded only B. Tech degree in the concerned branch.
- 4.4 There is no transfer of credits from Minor Programme courses to regular B. Tech. Degree Programme courses & vice versa.
- 4.5 These 18 credits are to be earned from the courses which are over and above the courses offered by the host department in the college.
- 4.6 The choice to opt/take a Minor Programme is purely on the choice of the students.
- 4.7 The student shall be given a choice of withdrawing all the courses registered and/or the credits earned for Minor Programme at any time; and in that case the student will be awarded only B. Tech. degree in the concerned branch on earning the required credits of 160 for four years B: Tech degree/ 122 credits for three years B.Tech degree of Lateral Entry students.
- 4.8 The student has to put up minimum of 75% attendance for each registered course to appear semester end examination.
- 4.9 Condoning of shortage of attendance in each registered course up to 10% (65% and above, and below 75%) may be granted by the College Academic Committee on genuine and valid medical grounds, based on the student's representation with supporting evidence.



- 4.10 A stipulated fee shall be payable towards condoning of shortage of attendance.
- 4.11 Shortage of Attendance below 65% in each registered course shall in NO case be condoned and the course registration stands cancelled and he is not eligible for Minor degree.
- 4.12 The student can choose only one Minor Programme along with his basic engineering degree. A student who chooses an Honours Programme is not eligible to choose a Minor Programme and vice-versa.
- 4.13 A student can graduate with a Minor if he fulfils the requirements for his B. Tech. Programme as well as fulfils the requirements for Minor Programme.
- 4.14 Record of students registered and pursuing their Minor Programmes shall be maintained Minor Programme wise and Parent branch wise.
- 4.15 The time tables for each Minor course offered are to be prepared without any overlap/clash with other courses of study in the respective semesters.
- 5. Eligibility conditions for the student to register for Minor Programme**
- 5.1. Student can opt for B.Tech. degree with Minor Programme if he has No active backlogs till II Year I Semester (III semester) at the time of entering into III year I semester.
- 5.2. If a student is detained at any semester/year in the B.Tech Programme, he is not eligible for Minor Programme.
- 5.3. Prior approval of Mentor and Head of the Department for the enrolment into Minor Programme, before commencement of III year I Semester (V Semester) is mandatory
- 5.4. If more than 50% of the students in the Institute fulfil the eligibility criteria (as stated above), the number of students given eligibility should be limited to 50% by considering CGPA as criteria.



5.5. The maximum number of sections in the Institute allowed for any Minor degree Program should be limited to 4 sections. A typical Section (or Class) Strength for each Semester shall be 60. If the students' strength in the Institute exercised the options for a particular Minor degree Programme is more than the 4 sections strength then the number of students given eligibility should be limited to 4 sections by considering CGPA as criteria.

6. Registration for the courses in Minor degree Programme

6.1. At the beginning of each semester, just before the commencement of classes, students shall register for the courses which they wish to take in that semester.

6.2. The students should choose a course from the list against each semester (from Minors course structure) other than the courses they have studied/registered for regular B.Tech.Programme.

6.3. No course should be identical to that of the regular BTech course.

6.4. The students should take the advice of faculty mentors while registering for a course at the beginning of semester.

6.5. The maximum No. of courses for the Minor is limited to two in a semester along with regular semester courses.

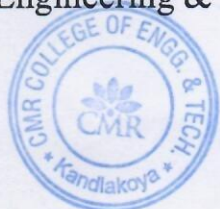
6.6. A prescribed registration fee to be collected from the students by the College and the same may be paid in the starting of the semester while registering for minor course.

6.7. A fee for late registration may be imposed as per the norms

7. Scope


7.1. Where the words "he", "him", "his", occur in the write-up of regulations, they include "she", "her", "hers".

7.2. Where the words "Subject" or "Subjects", occur in these regulations, they also imply "Course" or "Courses".



- 7.3. The Academic Regulations should be read as a whole, for the purpose of any interpretation.
- 7.4. In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor/Principal is final.
- 7.5. The College may change or amend the Academic Regulations, Course Structure or Syllabi at any time, and the changes or amendments made shall be applicable to all Students with effect from the dates notified by the College Authorities.




PRINCIPAL
CMR COLLEGE OF ENGG. & TECH.
Kandlakoya (V), Medchal Road,
Hyderabad-501401.