CMR COLLEGE OF ENGINEERING & TECHNOLOGY
(UGC Autonomous)
Kandlakoya, Medchal Road, Hyderabad – 501 401
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Academic Regulations R18 for B. Tech. with Honours Programme
(Effective from the Academic Year 2022-23 onwards)

1. Objectives

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

1.1. To expand the domain knowledge of the students laterally and vertically.

1.2. To increase the employability of undergraduate students with expanded knowledge in one of the core Engineering disciplines.

1.3. To provide an opportunity to students to pursue their higher studies in wider range of specialisations.

2. Academic Regulations for B. Tech. Honours degree

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

2.2. For B. Tech with Honours Programme, a student needs to earn additional 20 credits (over and above the required 160 credits for B. Tech degree). The broad guidelines for the courses of Honours programme, their respective credits weightage and semester-wise break-up of the course are as given below. All these 20 credits need to be completed in III year and IV year only.

2.3. After registering for the Honours Programme, if a student is unable to pass all courses in first attempt and earn the required 20 credits, he shall not be awarded Honours degree. However, if the student earns all the required 160 credits of B. Tech., he will be awarded only B. Tech degree in the concerned branch.

2.4. There is no transfer of credits from courses of Honours Programme to regular B. Tech. Programme & vice versa.

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2.5 These 20 credits are to be earned from the courses which are over and above the courses offered by the host department in the college or from closely related departments in the college.

2.6. The choice to opt/take the Honours Programme is purely on the choice of the students.

2.7. The student shall be given a choice of withdrawing all the courses registered and/or the credits earned for Honours Programme at any time; and in that case the student will be awarded only B. Tech. degree in the concerned branch after earning the required credits of 160 as per course structure of four years B.Tech R18 Regulations.

2.8. The students of every branch can choose Honours Programme in their respective branches if they are eligible for the Honours Programme. A student who chooses an Honours Programme is not eligible to choose a Minor Programme and vice-versa.

2.9. A student can graduate with Honours if he fulfils the requirements for his regular B. Tech. Programme as well as fulfils the requirements for Honours Programme.

2.10. The student has to put up minimum of 75% attendance for each registered course to appear for semester end examination.

2.11. 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.

2.12. A stipulated fee shall be payable towards condoning of shortage of attendance.

2.13. Shortage of Attendance below 65% in each registered course shall in NO case be condoned and the registration stands cancelled and he is not eligible for Honours degree.

3. Eligibility conditions of the students for the Honours degree

3.1 A student can opt for B.Tech. degree with Honours, if he has passed all subjects in the first attempt in all the semesters till II year I-Semester and maintaining 8 or more CGPA.

3.2 If a student fails in any registered course of either B. Tech. or Honours in any semester of four years Programme, he will not be eligible for obtaining Honors degree. He will be eligible for only four years B. Tech. Degree as per regulations.

3.3 Prior approval of Mentor and Head of the Department for the enrolment into Honours Programme, before commencement of III year I Semester (V Semester) is mandatory.

3.4 If more than 30% of the students in a branch fulfil the eligibility criteria (as stated above), the number of students given eligibility should be limited to 30%. The criteria to be followed for choosing 30% candidates in a branch may be the CGPA secured by the students' upto II year I semester (3 Semesters).

3.5 The department concerned should be preferably NBA accredited.

3.6 Successful completion of 20 credits earmarked for honours Programme with atleast 8 CGPA along with successful completion of 160 credits earmarked for regular B. Tech. Programme with at least 8 CGPA and passing all subjects in the first attempt gives the eligibility for the award of B. Tech. (Honors) degree.

3.7 For CGPA calculation of B. Tech. Programme, the 20 credits of Honours Programme will not be considered.

4. Registration for the course in Honors Programme

4.1. 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.

4.2 The students should choose a course from the list against each semester (from Honours course structure) other than

the courses they have studied/registered for regular B.Tech. Programme. No course should be identical to that of the regular B. Tech. course. The students should take the advice of faculty mentors while registering for a course at the beginning of semester.

4.3 The maximum number of courses for the Honours is limited to two in a semester along with regular semester courses.
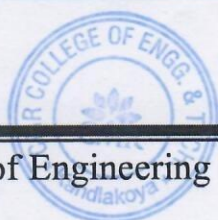
4.4 A prescribed registration fee as decided by the college to be collected from the students and the same has to be paid in the starting of the semester while registering for honour Courses.

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

5. Semester-wise Courses for Honours degree in B. Tech. Programmes

Table 1: List of courses for Honours degree in B.Tech

S. No.	Year / Semester	Course to be chosen from / studied	Mode of Learning	No. of Credits
1	III-I	PE-I or PE-II	Offline	3
2	III-II	Research Methodologies	Offline	3
3	III-II	PE-III	Offline	3
4	IV-I	PE-IV	Offline	3
5	IV-I	PE-V	offline	3
6	IV-II	Technical Paper writing or Product development/Patent or Internship	Under the mentorship of a supervisor	2
7	IV-II	PE-VI or an Interdisciplinary subject as suggested by the BOS of the Institute	offline	3
			Total Credits	20

5.1 Professional Elective (PE) course should be selected (which is not studied) from each Professional Electives list provided in regular B. Tech. Programme.

5.2 Courses can be chosen from above Table 1..

5.3 Technical paper writing or Product development/Patent or Internship

5.3.1. Technical paper writing:
a) The student shall take up a problem/topic of engineering branches (inter-disciplinary nature) and apply the knowledge which they acquired while pursuing their engineering branch. It is expected to analyse, design and develop an application for the identified problem and mandatorily write a technical paper/document.

b) Alternatively, the student shall identify a research topic, analyse the problem, carryout the experiments and mandatorily write a technical paper and publish in /communicate for a Scopus indexed journal/any journal with decent reputation.

OR

5.3.2 Product development/Patent:
a) Demonstrate a talent/an idea/development of an innovative product in their core area of Major Programme.

OR

5.3.3 Internship:
a) The student has to visit core Industry and do an internship in a core Company for minimum four weeks of duration in the core area of their major Programme and mandatorily submit a Technical report.

5.4 The evaluation is done through presentation, of the Technical paper or the Product development/Patent or the Internship which shall be done by the same committee which is constituted for project evaluation, along with the final semester project work.

5.5 The students should start exploration for the Technical Paper writing/ Product development/ Internship immediately after the

semester exams of III-II semester. Only the evaluation part shall be carried in IV-II semester. The evaluation procedure would be same as evaluation of project as per para 9.0 of R18 Academic Regulations of four years Regular B.Tech Programme.

5.6 The evaluation for offline courses would be as per para 9.0 of R18 Academic Regulations of four years Regular B.Tech Programme.

6. Scope

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

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

6.3. The Academic Regulations should be read as a whole, for the purpose of any interpretation.

6.4. In case of any doubt or ambiguity in the interpretation of theabove rules, the decision of the Vice-Chancellor/ Principal is final.

6.5. 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.

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