

# **ACADEMIC REGULATIONS (AU-R21)**

## **For B. Tech. (Hons. / Minor) Program**

**With effect from the Academic Year 2021-22**



**School of Engineering**

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## **Academic Regulations for B. Tech (Hons. / Minor) Program (With effect from the Academic Year 2021-22)**

### **1. Preamble**

- 1.1 **Honors:** To facilitate the students to choose additional courses by deep dive into emerging areas in their own discipline. The Honors program shall be offered by the parent/allied department. Artificial Intelligence, Computer Science & Engineering, and Information Technology are allied departments.
- 1.2 **Minor:** Students, who are desirous of pursuing their special interest areas other than their branch of engineering, may opt for additional courses in minor specialization offered by a department other than their parent department. Eligible students shall select the stream of courses offered by the respective departments and earn a Minor degree.
- 1.3 The objectives of the B. Tech. (Hons. / Minor) program are to:
- Deep dive into emerging / multidisciplinary approach for acquiring additional knowledge and skills
  - Enhance the employability of undergraduate students with expanded knowledge and skills
- 1.4 The regulations governing the B. Tech. (Hons. / Minor) program have been framed in accordance with the AICTE Approval Process Handbook (APH) 2021-22, Model curriculum for undergraduate programs in Engineering and Technology, Vol. I & II, January, 2018.
- 1.5 These regulations come into force with effect from the academic year 2021-22 onwards.

### **2. Short Title and Duration of the Program**

- 2.1 The B. Tech (Hons. / Minor) program shall be completed within the stipulated time period for regular B. Tech.

### **3. Eligibility Criteria for Registration**

- 3.1 A student who intends to register for the B. Tech. (Hons. / Minor) program shall fulfill the following academic requirements:
- a) B. Tech. (Hons. / Minor) programs are open to Engineering / Technology undergraduate students who have taken admission on or after the academic year 2020 – 21.
  - b) The registrants shall have obtained a CGPA of at least 7.5 at the end of the 2<sup>nd</sup> semester without any backlogs.
  - c) The lateral entry students shall have obtained a SGPA of at least 7.5 at the end of the 3<sup>rd</sup> semester without any backlogs.
  - d) The registrants shall not have secured F grade in any previous semester(s).

### **4. Registration Procedure**

- 4.1 Any student meeting the eligibility criteria specified above in section 3, and intends to register for the B. Tech. (Hons. / Minor) program shall apply to the Dean, School of Engineering in the prescribed form along with the prescribed fee within the stipulated time as mentioned in the notification.
- 4.2 There shall be no limit on the intake of students for registration to the B. Tech. (Hons. / Minor) program.
- 4.3 The registration for B. Tech. (Hons. / Minor) program shall be allowed from the 3<sup>rd</sup> semester onwards.
- 4.4 For the lateral entry students, provisional registration for B. Tech. (Hons. / Minor) program shall be allowed from the 3<sup>rd</sup> semester onwards which enables them to attend the classes. However, their registration will be validated with the required SGPA ( $\geq 7.5$ ) as mentioned in 3 (c). If he/she secures the required SGPA, they shall pay the fees to complete the registration process. If he/she fails to secure the required SGPA, their provisional registration stands cancelled.
- 4.5 A student is permitted to register for either B. Tech. (Hons.) or B. Tech. (Minor), but not both.

- 4.6 The students opting for B. Tech. (Hons. / Minor) program have to take the prescribed courses (online / offline) announced at the beginning of the semester through course registration.

## **5. Instruction**

- 5.1 The instruction shall be either through physical class room teaching or on-line platforms like MOOCs / SWAYAM / NPTEL / any other on-line platforms or blended learning mode with the approval of the Board of Studies.
- 5.2 At the beginning of each semester (just before the commencement of class work), the list of courses offered shall be provided by the offering department.
- 5.3 Students shall register for the courses which they wish to take in that semester. It is suggested to consult the faculty advisor while registering for a course(s).
- 5.4 A student is allowed to register for a maximum of two courses (excluding laboratory courses) in a semester along with the regular B. Tech courses.
- 5.5 The Project Work (if any) as a part of B. Tech (Hons.) should be undertaken through a registration process at the beginning of the 5<sup>th</sup> semester and should be completed by the end of 6<sup>th</sup> semester.
- 5.6 A student is not permitted to register for a course which he/she has already undertaken as part of their B. Tech regular program.

## **6. Semester End Examinations (SEE)**

- 6.1 The performance of a student in a course will be evaluated based on Semester End Examinations (SEE) for 100 marks.
- 6.2 All rules pertaining to conduct of SEE, valuation, revaluation, challenge valuation, etc., of regular B. Tech program are applicable to B. Tech. (Hons. / Minor).

### **6.2.1 Theory Courses:**

For theory courses, the SEE will be conducted for 100 marks. The question paper will consist of two parts viz., i) Part-A for 30 marks, ii) Part-B for 70 marks.

- a) Part-A consists of ten questions (numbered from 1 to 10), two questions from each unit carrying 3 marks each.
- b) Part-B consists of five questions (numbered from 11 to 15), each question drawn from a separate unit of the syllabus and having an “either” / “or” choice (that means there will be two questions from each unit and the student shall have to answer any one of them carrying 14 marks each).

### **6.2.2 Practical Courses:**

For practical courses, the SEE shall be conducted for 100 marks. Out of the 100 marks, the breakup shall be as follows:

- Preparation for the Laboratory – 20 marks
- Observation – 10 marks
- Successful completion of two experiments (30 marks each) – 60 marks
- Record – 10 marks

### **6.2.3 Project work:**

The Project Work shall be evaluated for 100 marks as SEE. The SEE (viva-voce) shall be conducted by a committee consisting of (i) External examiner appointed by Dean (Examinations) on the recommendation of Chairperson, BOS, (ii) Supervisor of the project, and (iii) a senior faculty member of the department. The evaluation of project work shall be conducted at the end of the 6<sup>th</sup> semester.

## **7. Change of Specialization / Discipline**

- 7.1 Student has a onetime chance to change from Hons. to Minor and vice-versa within one week of registration through the concerned Head of the Department and Dean of the respective school.

## **8. Transfer of Credits**

- 8.1 The credits earned through B. Tech. (Hons.) / B. Tech. (Minor) / B. Tech., are not inter-changeable.

## **9. Eligibility for Award of the B. Tech. (Hons.) / B. Tech Minor Degree**

- 9.1 A student shall be eligible for the award of B. Tech. (Hons. / Minor) degree, if he / she fulfills the following academic requirements:
- a) Earns a regular B. Tech degree by fulfilling all the academic requirements
  - b) Acquires the prescribed credits for B. Tech. (Hons. / Minor)
  - c) He/she has no dues to the University, Hostels, Libraries, Sports, NCC / NSS etc.
  - d) No disciplinary action is pending against him/her.

## **10. Transcripts**

- 10.1 After successful completion of the total program of study, a transcript containing performance of all academic years/semesters will be issued as a final record. Duplicate transcripts will also be issued if required on payment of the requisite fee.

## **11. Withdrawing**

- 11.1 The student may withdraw from B. Tech. (Hons. / Minor) program at any time.
- 11.2 A student who has not acquired prescribed credits for B. Tech. (Hons. / Minor) program, he/she has an option to withdraw from B. Tech. (Hons. / Minor) program. In such case, if he/she has cleared any of the prescribed courses for B. Tech. (Hons. / Minor) program, they will be listed in the consolidated memorandum of marks (CMM).
- 11.3 The fee paid will not be refunded under any circumstances.