



B.Tech with Honors and Minor Degree Program

B.Tech (Honors) Degree in Computer Science & Engineering:

Introduction:

‘Honours’ is the field in which a student focuses during the course of his/her degree. An Honors degree typically refers to a higher level of academic achievement in the major area.

Objectives:

The key objectives of offering B. Tech. with Honors program are:

- To expand the domain knowledge of the students laterally and vertically.
- To increase the employability of undergraduate students with expanded knowledge in one of the core Engineering disciplines.
- To provide an opportunity to students to pursue their higher studies in wider range of specializations.

Details of Honors programs offered:

Name of Honors Degree : B.Tech Honors in CSE

Eligible B.Tech branches : CSE

Award of Degree : B.Tech (Honors) - CSE

Salient Features:

- The B. Tech. with Honors program shall be offered from the AY 2021-22 onwards.
- A student can opt for B.Tech. degree with Honors, if she/he passed all subjects in first attempt in all the semesters till the results announced and maintaining 7.5 or more CGPA

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- After registering for the Honors programme, if a student is unable to pass all courses in first attempt and earn the required 20 credits, he/she shall not be awarded Honours degree. However, if the student earns all the required 160 credits of B. Tech., he/she will be awarded only B. Tech degree in the concerned branch.
- The weekly instruction hours, internal & external evaluation and award of grades are on par with regular 4-Years B. Tech. program.
- For B. Tech with Honors program, 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 Honors program, their respective credits weightage and semester-wise break-up of the course are enclosed as Annexure. All these 20 credits need to be completed in III year and IV year only.
- Successful completion of 20 credits earmarked for honors program with atleast 7.5 CGPA along with successful completion of 160 credits earmarked for regular B. Tech. Program with at least 7.5 CGPA and passing all subjects in first attempt gives the eligibility for the award of B. Tech. (Honors) degree

Example: B.Tech (Honors) - CSE
- If a student fails in any registered course of either B. Tech. or Honors in any semester of four years program, he/she will not be eligible for obtaining Honors degree. He will be eligible for only B. Tech. degree.

B.Tech with Minor Degree in Emerging Areas:

Introduction:

Bachelor of Technology (B. Tech.) with Minor program focuses on the fundamental principles of multiple Engineering disciplines, critical & analytical thinking and the ability to develop a distinctive approach to the interdisciplinary problems.

Objectives:

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

- To expand the domain knowledge of the students in one of the other branches of engineering.
- To increase the employability of undergraduate students keeping in view of better opportunity in interdisciplinary areas of engineering & technology.

- To provide an opportunity to students to pursue their higher studies in the inter-disciplinary areas in addition to their own branch of study.
- To offer the knowledge in the areas which are identified as emerging technologies/thrust areas of Engineering

Details of Minor Degree programs offered:

Name of B.Tech Minor Degree Program: 1. Artificial Intelligence & Machine Learning (AI&ML)
 2. Cyber Security (CS)
 3. Data Science (DS)
 4. Internet of Things (IoT)
 5. Innovation & Entrepreneurship (I&E)

Eligible B.Tech Branches : ECE, EEE, IT, ME & CE

Award of Degree: B.Tech in Branch Name with Minor in Name of the Minor Program

Example: B.Tech in Electrical & Electronics Engineering (EEE) with Minor in Cyber Security

Salient Features:


- The B. Tech. with Minor Degree program shall be offered from the AY 2021-22 onwards.
- A student can opt for B.Tech. degree with Minor program if she/he has no active backlogs till II Year I Semester (III semester) at the time of entering into III year I semester.
- For B. Tech. with Minor, a student needs to earn additional 18 credits (over and above the required 160 credits for B. Tech degree). The list of courses of each Minor program, their respective credits weightage and semester-wise break-up of the courses are enclosed as Annexure. All these 18 credits need to be completed in III year and IV year only.
- 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 course), he/she shall not be awarded Minor degree. However, if the student earns all the required 160 credits of B.Tech., he/she will be awarded only B. Tech degree in the concerned branch.
- There is no transfer of credits from Minor program courses to regular B. Tech. degree course & vice versa.

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- The student can choose only one Minor program along with his/her basic engineering degree. A student who chooses an Honors program is not eligible to choose a Minor program and vice-versa.
- A student can graduate with a Minor if he/she fulfils the requirements for his/her regular B. Tech. program as well as fulfils the requirements for Minor program.
- 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. No course should be identical to that of the regular BTech course. The students should take the advice of faculty mentors while registering for a course at the beginning of semester



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