



AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(Autonomous)

(Approved by A.I.C.T.E., New Delhi & Permanently Affiliated to JNTU-GV, Vizianagaram)

NAAC Accredited with A+ grade

Tamaram (V), Makavarapalem, Narsipatnam (RD), Anakapalle Dist, Pin-531113.

<https://avanthienggcollege.ac.in/>, E-mail: principal@avanthienggcollege.ac.in

Guidelines for B.Tech Honors in Engineering Regulations-R24

(Effective for the students admitted into I year from the Academic Year
2024-2025 onwards)

1) Introduction

The goal of introducing B.Tech (Honors) is to facilitate the students to choose additionally the specialized courses of their choice and build their competence in a specialized area in the UG level. The programme is a best choice for academically excellent students having good academic record and interest towards higher studies and research.

All the students pursuing regular B. Tech with prerequisite CGPA are eligible to the register Honors degree course. A student has to acquire 18 more credits, in addition to 160 credits (without back log history and meeting other guidelines) required, for the award of the B. Tech Honors degree. Out of the 18 extra credits required to obtain the Honors degree, at least SIX Credits (i.e., two courses of 3 credits each) must be earned from NPTEL / SWAYAM MOOC Courses. The additional courses shall be advanced subjects in the concerned department / discipline. The department concerned will determine required courses for award of Honors degree. The subjects in the Honors degree would be a combination of core (Theory and Lab) and some electives.

2) Objectives

The objectives of initiating the B. Tech (Honors) degree certification are:

- To encourage the undergraduates towards higher studies and research
- To prepare the students to specialize in core Engineering streams
- To attain the high-level competence in the specialized area of UG programme
- To learn the best educational and professional skills in the specialized area after the completion of his undergraduate courses.
- To provide the opportunity to learn the advanced courses in the specified undergraduate programme

3) Applicability and Enrolment

- To all B. Tech (Regular and Lateral Entry) students admitted in Engineering & Technology with CGPA of 7.0 up to II Year I Semester (III Semester), without any backlogs and backlog



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history.

- b) It may be noted that both regular degree and Honors degree are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students, without any backlog history.
- c) For applicability of Honors degree, both regular B. Tech and Honors degree courses shall be successfully completed.
- d) Transfer of credits from a particular minor to regular B. Tech or another major degree and vice-versa shall not be permitted

4) Entry level

- a) The B. Tech students (both Regular and Lateral Entry) pursuing a major degree programme can register for Honors degree at their choice in the same department / allied (as mentioned in AICTE Handbook) offering major degree from IV semester onwards.
- b) Students registering for Honors degree shall select the subjects from same branches / department based on the recommendations of BoS committee. For example, if a student pursuing major degree in Electrical & Electronics Engineering, select subjects in Electrical & Electronics Engineering only and he / she will get major and Honors degree in Electrical & Electronics Engineering
- c) Students shall be permitted to select a maximum of two subjects per semester from the list of subjects specified for Honors degree other than Lab courses.
- d) The students shall complete Honors degree without supplementary appearance within stipulated period as notified by college / JNTU-GV for the completion of regular major B. Tech programme.
- e) Honors degree shall not be awarded at any circumstances without completing the regular major B. Tech programme in which a student got admitted
- f) If a student is detained due to lack of attendance, he/ she shall not be permitted to register the courses for Honors degree
- g) The subjects completed under Honors degree programme shall not be considered as equivalent subjects in case the student fails to complete the major degree programme
- h) Students completed their degree shall not be permitted to register for Honors degree

5) Structure of Honors in B. Tech

- a) The student shall earn additional 18 credits for award of Honors degree from same branch / department / allied (as mentioned in AICTE Handbook) registered for major degree



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- b) Students can complete Honors degree courses either in the college or online from platforms like NPTEL/SWAYAM etc...
- c) The overall attendance in each semester of regular B. Tech courses and Honors degree courses shall be computed separately
- d) Student having less than 65% attendance in Honors courses shall not be permitted for "Honors Course (s) semester end examinations".
- e) A student detained due to lack of attendance in regular B. Tech programme shall not be permitted to continue Honors programme
- f) The teaching, examinations (internal and external) and evaluation procedure of Honors degree courses offered in offline is similar to regular B. Tech courses
- g) Students may choose theory or practical courses to fulfill the minimum credit requirement.
- h) Students shall be allowed to take maximum two subjects per semester pertaining to their Honors degree other than lab courses
- i) The students registered for minor shall not be permitted to register for B. Tech (Honors)

6) Credits requirement

- a) A Student will be eligible to get B. Tech (Honors), if he / she completes an additional 18 credits. These may be acquired either in offline or online like NPTEL / SWAYAM etc by doing 8 / 12 / 16-week courses covering 2 / 3 / 4 credits.
- b) The colleges offering Honors degree courses shall be ready to teach the courses in offline at their college in the concerned departments. Curriculum and the syllabus of the courses shall be approved by the Board of Studies.
- c) Students shall produce a certificate issued by the NPTEL / SWAYAM etc., conducting agency as a proof of credit attainment.
- d) The teaching and evaluation procedure of Honors courses offering in offline mode shall be similar to that of regular B. Tech courses
- e) After successful completion of all major and Honors degree courses with specified CGPA the College / University will award B. Tech (Honors)

7) Procedure to Apply for Honors degree

- a) The department offering the Honors will announce courses required before the start of the session.
- b) The interested students shall apply for the Honors course to the HOD of the concerned



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department.

- c) The whole process should be completed within one week before the start of every session.
- d) Selected students shall be permitted to register the courses for Honors degree.

8) To Join in Honors Program

- a) Each department offering the Honors degree shall submit the final list of selected students to the principal.
- b) The selected students shall submit a joining letter to the principal through the concerned HoD.
- c) The department offering Honors shall maintain the record of student pursuing the Honors degree.
- d) With the approval of Principal and suggestion of advisor /mentor, students can choose courses from the approved list and shall register the courses within a week as per the conditions laid down in the structure for the Honor degree.
- e) Each department shall communicate the Honors courses registered by the students to the time table drafting committee and accordingly time table will be drafting. Time table drafting committee shall see that no clash in time tables.
- f) If the student wishes to withdraw / change the registration of subject / course, he/she shall inform the same to advisor/mentor, subject teacher, HoDs of minor department and parent department and Principal within two weeks after registration of the course.

9) Procedure for Monitoring the Progress of the Scheme

The students enrolled in the Honor courses will be monitored continuously at par with the prevailing practices and examination standards. An advisor / mentor from parent department shall be assigned to a group of students to monitor the progress.

10) Allocation of seats for Honors degree

Total number of seats offered for Honors degree shall be a maximum of 60 (based on merit).

11) Examinations

- a) The examination for the Honors degree courses offered in offline shall be conducted along with regular B. Tech programme.
- b) The examinations (internal and external) and evaluation procedure of Honors degree courses offered in offline is similar to regular B. Tech courses.
- c) It may be noted that both major and Honors courses (from IV Semester to VII Semester) are to



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be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students.

- d) There is no supplementary examination for the failed subjects in an Honors degree programme.
- e) Examination Fees: Examination Fees will be as per the College norms
- f) For awarding the class, CGPA obtained in Major Degree only will be considered.
- g) For awarding the Honor's, obtained credits only will be considered.
- h) The student can complete these MOOCs NPTEL courses during III year I semester to IV-year II semester course completion and these courses will be included in the IV-year II Semester grade memo.