INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY
HYDERABAD

UG Academic Regulations
(For 4 year B.Tech and Dual Degree)

Version-2018/2, Updated in Oct 2022

Rules and Regulations specifically relating to Undergraduate programmes (4 year B.Tech and Dual Degree) are given below:

1. Graduation Requirements

1.1 B.Tech in Computer Science and Engineering (CSE)

In order to graduate with B.Tech in Computer Science and Engineering, a student must successfully complete **161** credits with **minimum CGPA of 5.5** and meet the following requirements. Reference documents are available at https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf

- Must successfully complete the **SAVE** (Sports, Arts, Value Education) credits in the 1st and 2nd years.
- Must successfully complete the **programme** Core.
- Must successfully complete at least 3 **Breadth Electives (Half courses)** in 4th semester and beyond.
- Must successfully complete **5 Bouquet electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **1 Maths elective** in the 3rd and 4th years.
- Must successfully complete **2 Science electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **3 Humanities electives** in the 3rd and 4th years (not more than 6 credits in any semester).
- Must successfully complete **2 courses** (2 credits each) in Ethics in the 4th year.
- Must successfully complete **5 Open electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **4 BTP credits via 2 credits each** in the 6th and 7th Semesters.

1.2 B.Tech in Electronics and communication Engineering (ECE)

In order to graduate with B.Tech in Electronics and Communication Engineering, a student must successfully complete **161** credits with **minimum CGPA of 5.5** and meet the following requirements. Reference documents are available at https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf

- Must successfully complete **SAVE** (Sports, Arts, Value Education) credits in the 1st and 2nd years.
- Must successfully complete the **programme** Core.
- Must successfully complete **8 credits of Stream Foundation electives** in the 4th and 5th semesters.
- Must successfully complete **12 credits of ECE electives** in 5th to 7th semesters.
- Must successfully complete **1 Maths elective** in the 3rd and 4th years.
- Must successfully complete **2 Science electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **3 Humanities electives** in the 3rd and 4th years (not more than 6 credits in any semester
- Must successfully complete **2 courses** (2 credits each) in Ethics in the 4th year.
- Must successfully complete **5 Open electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **4 BTP credits via 2 credits each** in the 6th and 7th Semesters.

1.3 Graduation Requirements for B.Tech (Honours) in CSE or ECE

In order to graduate with B.Tech Honours in Computer Science and Engineering or B.Tech Honours in ECE, a student must have obtain **GPA greater than 8** in the four honours projects (**8 credits via 2 credits each instead of 4 BTP credits)** and successfully complete the credits according to the requirements stated above. Guidelines for the Honours program are provided at https://intranet.iiit.ac.in/offices/static/files/Honours-Guidelines-2022.pdf

1.4 Graduation Requirements for Dual Degree in CSE

In order to graduate with B.Tech Honours in Computer Science and Engineering and Master of Science in CSE by Research, a student must successfully complete **177** course credits and 24 Thesis credits according to the requirements stated in the curriculum handbook and meet the following requirements. The **minimum CGPA required to graduate is 7.00** for MS or entire programme. Reference documents are available at https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf Guidelines for the Honours program are provided at https://intranet.iiit.ac.in/offices/static/files/Honours-Guidelines-2022.pdf

Both the degrees (Bachelors and Master of Science by Research) are awarded together only after successful completion of the programme requirements.

- Must successfully complete the **SAVE** (Sports, Arts, Value Education) credits in the 1st and 2nd years.
- Must successfully complete the **programme** Core.
- Must successfully complete at least 3 **Breadth Electives (Half courses)** in 4th semester and beyond.
- Must successfully complete **5 Bouquet electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **1 Maths elective** in the 3rd and 4th years.
- Must successfully complete **2 Science electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **3 Humanities electives** in the 3rd and 4th years (not more than 6 credits in any semester).
- Must successfully complete **2 courses** (2 credits each) in Ethics in the 4th year.
- Must successfully complete **5 Open electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **8 Honours credits via 2 credits each** in 4 semesters (5th to 8th).
- Must successfully complete **3 Stream Electives** from 5th semester and beyond.
- Must successfully complete **2 seminar credits** in the 8th and 9th semesters.
- **1 unit (0 credits)** of **technical writing** in the summer at the end of the 3rd year. This is to be registered in the 7th Semester.
- **1 unit (0 credits)** of **research proposal** by the end of 4th year. Register in 8th semester.
- Must register for **24 Research thesis credits** in the 9th and 10th semesters (at most 12 credits in a semester).
- Must successfully complete **MS thesis evaluation process** be including a public presentation and a Defense.

1.5 Graduation Requirements for Dual Degree in ECE

In order to graduate with B.Tech Honours in Electronics and Communication Engineering and Master of Science in ECE by Research, a student must successfully complete **177** course credits and 24 Thesis credits according to the requirements stated in the curriculum handbook and meet the following requirements. The **minimum CGPA required to graduate is 7.00** for MS or entire programme. Reference documents are available at https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf Guidelines for the Honours program are provided at https://intranet.iiit.ac.in/offices/static/files/Honours-Guidelines-2022.pdf

Both the degrees (Bachelors and Master of Science by Research) are awarded together only after successful completion of the programme requirements.

- Must successfully complete **SAVE** (Sports, Arts, Value Education) credits in the 1st and 2nd years.
- Must successfully complete the **programme** Core.
- Must successfully complete **8 credits of Stream Foundation electives** in the 4th and 5th semesters.
- Must successfully complete **12 credits of ECE electives** in 5th to 7th semesters.
- Must successfully complete **1 Maths elective** in the 3rd and 4th years.
- Must successfully complete **2 Science electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **3 Humanities electives** in the 3rd and 4th years (not more than 6 credits in any semester
- Must successfully complete **2 courses** (2 credits each) in Ethics in the 4th year.
- Must successfully complete **5 Open electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **8 Honours credits via 2 credits each** in 4 semesters (5th to 8th).
- Must successfully complete **3 Stream Electives** from 5th semester and beyond.
- Must successfully complete **2 seminar credits** in the 8th and 9th semesters.
- **1 unit (0 credits)** of **technical writing** in the summer at the end of the 3rd year. This is to be registered in the 7th Semester.
- **1 unit (0 credits)** of **research proposal** by the end of 4th year. Register in 8th semester.
- Must register for **24 Research thesis credits** in the 9th and 10th semesters (at most 12 credits in a semester).
- Must successfully complete **MS thesis evaluation process** be including a public presentation and a Defense.

1.6 Graduation Requirements for Dual Degree in CNS

In order to graduate with B.Tech Honours in Computer Science and Master of Science in Computational Natural Sciences by Research, a student must successfully complete **177** course credits and 24 Thesis credits according to the requirements stated in the curriculum handbook and meet the following requirements. The **minimum CGPA required to graduate is 7.00** for MS or entire programme. Guidelines for the Honours program are provided at https://intranet.iiit.ac.in/offices/static/files/Honours-Guidelines-2022.pdf Reference documents are available at https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf .

Both the degrees (Bachelors and Master of Science by Research) are awarded together only after successful completion of the programme requirements.

- Must successfully complete **SAVE** (Sports, Arts, Value Education) credits in the 1st and 2nd years.
- Must successfully complete the **programme** Core.
- Must successfully complete **5 CNS electives** in the 4th semester and beyond.
- Must successfully complete **5 CS electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **1 Humanities electives** in the 3rd and 4th years (not more than 6 credits in any semester
- Must successfully complete **2 courses** (2 credits each) in Ethics in the 4th year.
- Must successfully complete **2 Open electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **8 Honours credits via 2 credits each** in 4 semesters (5th to 8th).
- Must successfully complete **2 seminar credits** in the 8th and 9th semesters.
- **1 unit (0 credits)** of **technical writing** in the summer at the end of the 3rd year. This is to be registered in the 7th Semester.
- **1 unit (0 credits)** of **research proposal** by the end of 4th year. Register in 8th semester.
- Must register for **24 Research thesis credits** in the 9th and 10th semesters (at most 12 credits in a semester).
- Must successfully complete **MS thesis evaluation process** be including a public presentation and a Defense.

1.7 Graduation Requirements for Dual Degree in Computational Linguistics

In order to graduate with B.Tech Honours in Computer Science and Master of Science in Computational Linguistics by Research, a student must successfully complete 177 course credits and 24 Thesis credits according to the requirements stated in the curriculum handbook and meet the following requirements. The **minimum CGPA required to graduate is 7.00** for MS or entire programme. Guidelines for the Honours program are provided at https://intranet.iiit.ac.in/offices/static/files/Honours-Guidelines-2022.pdf. Reference documents are available https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf.

Both the degrees (Bachelors and Master of Science by Research) are awarded together only after successful completion of the programme requirements.

- Must successfully complete **SAVE** (Sports, Arts, Value Education) credits in the 1st and 2nd years.
- Must successfully complete the **programme** Core.
- Must successfully complete **14 credits of CL electives** in the 4th semester and beyond.
- Must successfully complete **1 Maths elective** in the 3rd and 4th years.
- Must successfully complete **4 CS electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **2 Humanities electives** in the 3rd and 4th years (not more than 6 credits in any semester
- Must successfully complete **2 courses** (2 credits each) in Ethics in the 4th year.
- Must successfully complete **3 Open electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).

- Must successfully complete **8 Honours credits via 2 credits each** in 4 semesters (5th to 8th).
- Must successfully complete **2 seminar credits** in the 8th and 9th semesters.
- **1 unit (0 credits)** of **technical writing** in the summer at the end of the 3rd year. This is to be registered in the 7th Semester.
- **1 unit (0 credits)** of **research proposal** by the end of 4th year. Register in 8th semester.
- Must register for **24 Research thesis credits** in the 9th and 10th semesters (at most 12 credits in a semester).
- Must successfully complete **MS thesis evaluation process** be including a public presentation and a Defense.

1.8 Graduation Requirements for Dual Degree in Exact Humanities

In order to graduate with B.Tech Honours in Computer Science and Master of Science in Exact Humanities by Research, a student must successfully complete 192 course credits and 24 Thesis credits according to the requirements stated in the curriculum handbook and meet the following requirements. The minimum CGPA required to graduate is 7.00 for MS or entire programme. Guidelines for the Honours program are provided at https://intranet.iiit.ac.in/offices/static/files/Honours-Guidelines-2022.pdf. Reference documents are available at https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf.

Both the degrees (Bachelors and Master of Science by Research) are awarded together only after successful completion of the programme requirements.

1.9 Graduation Requirements for Dual Degree in Computing and Human Sciences

In order to graduate with B.Tech Honours in Computer Science and Master of Science in Computing and Human Sciences by Research, a student must successfully complete 177 course credits and 24 Thesis credits according to the requirements stated in the curriculum handbook and meet the following requirements. The **minimum CGPA required to graduate is 7.00** for MS or entire programme. Guidelines for the Honours program are provided at https://intranet.iiit.ac.in/offices/static/files/Honours-Guidelines-2022.pdf. Reference documents are available at https://intranet.iiit.ac.in/offices/static/files/UG-DD-Curriculua-Jul21_%281%29.pdf.

Both the degrees (Bachelors and Master of Science by Research) are awarded together only after successful completion of the programme requirements.

- Must successfully complete **SAVE** (Sports, Arts, Value Education) credits in the 1st and 2nd years.
- Must successfully complete the **programme** Core.
- Must successfully complete **22 credits of HS electives** in the 4th semester and beyond.
- Must successfully complete **5 CS electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **2 Science electives** in the 3rd and 4th years (not more than 1 in any semester).
- Must successfully complete **1 Maths elective** in the 3rd and 4th years.
- Must successfully complete **3 Open electives** in the 3rd and 4th years (at least 1 each in semester and not more than 2 in any semester).
- Must successfully complete **8 Honours credits via 2 credits each** in four 4 semesters (5-8 semester).
- Must successfully complete **2 seminar credits** in the 8th and 9th semesters.

- **1 unit (0 credits)** of **technical writing** in the summer at the end of the 3rd year. This is to be registered in the 7th Semester.
- **1 unit (0 credits)** of **research proposal** by the end of 4th year. Register in 8th semester.
- Must register for **24 Research thesis credits** in the 9th and 10th semesters (at most 12 credits in a semester).
- Must successfully complete **MS thesis evaluation process** be including a public presentation and a Defense.

2. Monitoring of Academic Performance and Termination of Registration

2.1.a Identification of Students for Monitoring – For 4 year B.Tech

For students completing the first year (UG1):

(i) If the SGPA of a student is less than 4.0 after the first year, the student will be terminated from the programme;

(ii) If any student fails in more than 50% of the registered credits in a semester or the academic year, they will be terminated from the program.

(iii) If the SGPA of the student is between 4.0 to 5.5 after the first year, the student will be given one final chance to repeat the first semester and to meet the requirement of obtaining a minimum SGPA of 5.5 at the end of the 1st semester to proceed to the 2nd semester. Failure to do so will result in termination from the programme after the first semester.

If a student repeats the first year and is allowed to proceed to the 2nd semester, then the student has to obtain a minimum SGPA of 5.5 at the end of the (repeat) year in order to stay in the programme. Failure to do so will result in termination from the programme.

Students of UG-II and beyond:

(iv) For any student, if their SGPA/CGPA is between 4 and 5.5, or the decrease in SGPA across any two consecutive semesters is 2.0 or more, then the student will be allowed to continue studies in the next semester, with a reduced course load. This will be in consultation with the program coordinator and on approval of the Dean (Academics).

(v) When a student fails a course (say 4 credits), an F grade will be displayed in the transcript against that course; the SGPA calculation will include the *F* grade with 0 earned points for the no. of credits of that course (i.e., 4 credits).

- ❖ If the course is a core course as mentioned in the program requirements, then the student must register for the same course in the next offering or an equivalent course approved by the Dean (A).
- ❖ If the course is an elective course, the student has the choice of repeating the same course in a subsequent offering, or any other elective subject to the graduation/curriculum requirements.

The total number of credits registered by such a student cannot exceed the normal credit load in that semester.

(vi) Students will have a maximum of six years to complete all graduation requirements failing which they will be terminated from the programme.

2.1.b Dual degree programme

For students completing the first year (UG1):

(i) If the SGPA of a student is < 4.5 after the first year, the student will be terminated from the programme;

(ii) If any student fails to get a pass grade in more than 50% of the registered credits in a semester or academic year, they will be terminated from the program.

(iii) If the SGPA of the student is between 4.5 to 6.00 after the 1st year, the student will be given one final chance to repeat the first semester and to meet the requirement of obtaining a minimum SGPA of 6.00 at the end of the 1st semester to proceed to the 2nd semester. Failure to do so will result in a termination from the programme after the 1st semester.

If a student repeats the first year and is allowed to proceed to the 2nd semester, then the student has to obtain a minimum SGPA of 6.0 at the end of the (repeat) year in order to stay in the programme. Failure to do so will result in termination from the programme.

Students of UG-II and beyond:

(iv) For any student, if (i) their SGPA/CGPA is between 4.5 and 5.5, or (ii) the decrease in SGPA across any two consecutive semesters is 2.0 or more, then the student will be allowed to continue studies in the next semester only with a reduced course load. This will be in consultation with the program coordinator and on approval of the Dean (Academics).

(v) When a student fails a course (say 4 credits), an F grade will be displayed in the transcript against that course; the SGPA calculation will include the *F* grade with 0 earned points for the no. of credits of that course (i.e., 4 credits).

- If the course is a core course as mentioned in the program requirements, then the student must register for the same course in the next offering or an equivalent course approved by the Dean (A).
- If the course is an elective course, the student has the choice of repeating the same course in a subsequent offering, or any other elective subject to the graduation/curriculum requirements.

The total number of credits registered by such a student cannot exceed the normal credit load (as per the curriculum) in that semester.

(vi) Students will have a maximum of 7 years to submit their Thesis. Automatic de-registration will apply at the end of 7 years. De-registered students may be allowed to re-register later (within 3 years from the date of de-registration) and submit the thesis at the end of the same semester. If this is not done, the student will be terminated from the programme.

2.2 Monitoring of Academic Performance of Students and Academic Probation

Students who fail to meet the minimum requirements (described in Section 2.1(a) and (b)), at the end of each semester, will be placed on academic probation. Such students will be issued a warning letter regarding their poor performance. Restrictions in terms of course load that can be taken in the following semesters will also be imposed.

The performance of the above students will be monitored by the academic office to assess the cause for poor performance of each student. Advice for improving their performance in subsequent semester will be provided via Programme coordinators/Faculty advisors regarding choice of courses, number of courses to be taken, and total credits to be registered.

Students on probation cannot take extra credits (more than the normal load as mentioned in the curriculum) and have to drop one of the regular semester courses for each course being repeated in the semester. The student will have to take fewer than 16 or 20 credits to further reduce the workload until the CGPA improves.

In the event of a failure to satisfy the condition(s) stated in the warning letters, a student shall forfeit his/her registration and shall be terminated from the programme.

2.3 On campus Residency Requirements

For 4 year B.Tech students - Students can stay in the hostel for a maximum of 8 semesters. Students who repeat an academic year can stay up to 10 semesters. After this period, students can stay in the hostel only with approval from the Dean (Academics).

For Dual Degree students - Students can stay in the hostel for a maximum of 12 semesters. Students who repeat an academic year can stay up to 14 semesters. After this period, students can stay in the hostel with the approval from the Dean (Academics).

2.4 Semester Withdrawal

If a student withdraws from spring semester in the first year, the student is expected to repeat the entire 1st year in the next academic year; any exception will be based on the student's performance in the monsoon semester and the discretion of the Dean(A).

Dean (Academics)

3. Appendix

3.1 Reporting MS CGPA for Dual Degree Students

Students who are graduating with a Dual-Degree can choose three courses above the 400-level registered during semesters 5 through 10 for calculating their MS CGPA. This choice has to be made at the end of 4th year, so that the system will generate 3 CGPAs (Overall CGPA, B.Tech CGPA, MS CGPA) while printing the final transcript.

3.2 Guidelines for the students who are repeating a year/semester.

- **Entire year i.e., 1st year**

  New transcript

- **Entire semester or year after 1st year**

  Show past attempts and uses highest grade for CGPA

If the student repeats the same course more than once to obtain a pass grade, the grade obtained each time will be displayed in the transcript. However, the CGPA will be calculated based on the highest grade obtained among all grades obtained in the repeat attempts for that course.

3.3 Guidelines for doing projects/independent study courses:

- Students can do any number of projects/independent study under Programme/CS/Open elective categories. However **only 6 credits earned** this way can be counted towards the programme completion requirement.
- Students can register only for **a maximum of 6 credits** of projects/independent study in a semester including honours project/BTP credits.
- Students can register for **a maximum of 6 credits** of projects/independent study under a faculty in a semester.