ACADEMIC REGULATIONS
UG PROGRAMS
B. Tech. & B.Sc. B.Ed.
(Effective from 2024 - 2025)

NATIONAL INSTITUTE OF TECHNOLOGY WARANGAL

Academic Regulations of UG (B.Tech. and B.Sc. B.Ed.) Programs

(Effective from 2024-25)

1. INTRODUCTION:

Provision of these regulations shall come into force with effect from the academic year 2024-2025 and shall be applicable to all B.Tech. courses (unless otherwise stated) offered by the Institute.

1.1 B.Tech. Degree Programs are offered in the following specializations by the respective engineering departments.

S No	Department	B. Tech Program Name
1	Civil Engineering	Civil Engineering
2	Electrical Engineering	i. Electrical and Electronics Engineering ii. Electrical and Electronics Engineering (Electric Mobility)
3	Mechanical Engineering	Mechanical Engineering
4	Electronics and Communication Engineering	i. Electronics and Communication Engineering ii. Electronics and Communication Engineering (VLSI Design Technology)
5	Metallurgical and Materials Engineering	Metallurgical and Materials Engineering
6	Chemical Engineering	Chemical Engineering
7	Computer Science and Engineering	i. Computer Science and Engineering ii. Computer Science and Engineering (Artificial Intelligence & Data Science)
8	Biotechnology	Biotechnology
9	Computational and Data Science	Mathematics and Computing

1.2 B.Sc. B.Ed. Degree Program is coordinated by the Department of Mathematics.

1.3 The provisions of these regulations shall be applicable to any new discipline that may be introduced from time to time.

1.4 The medium of instruction for all programs offered in the Institute is English

1.5 Prescribed service courses for all the programs listed in 1.1 are supported by a) Mathematics b) Humanities and Social Sciences c) Physics d) Chemistry e) Department of Management Studies and f) Centre for Sports Activities.

2. ADMISSION:

2.1 Admission to National Institute of Technology Warangal shall be made in accordance with the instructions received from the Ministry of Education (MoE), Government of India from time to time. Seats are reserved for candidates belonging to Scheduled Castes (SC), Schedules Tribes (ST), Other Backward Classes (OBC), Persons with Disability (PWD), Economically Weaker Section (EWS) and other categories as per the guidelines issued by MoE from time to time.

2.2 Admission to all courses shall be made in the odd semester of each academic year at the first-year level based on the relative performance in the Joint Entrance Examination (JEE – Mains) as per the guidelines issued by the MoE, New Delhi from time to time.

2.3 A limited number of admissions are offered to Foreign Nationals and Indians living abroad under DASA, Study in India (SII), ICCR, COMPEX etc. in accordance with the rules applicable for such admission, from time to time, issued by the MoE.

2.4 If, any time after admission, it is found that a candidate had not fulfilled *all* the requirements stipulated in the offer of admission, in any form whatsoever, including possible misinformation etc., the Dean-Academic shall report the matter to the Senate recommending for the cancellation of admission of the candidate.

2.5 The institute reserves the right to cancel the admission of any student and ask him/her to discontinue his/her studies at any stage of his/her studies on the grounds of indiscipline or any misconduct.

2.6 The decision of the Senate, regarding sections 2.4 and 2.5 above, is final and binding.

2.7 Candidates must fulfill the medical standards required for admission as prescribed by the Institute.

2.8 There will be no branch change at the end of first year.

2.9 Every Undergraduate student of the Institute shall be associated with parent department offering the degree program that the student undergoes, throughout his/her study period.

3. COURSE STRUCTURE:

3.1 The total course structure for B.Tech. Degree Program typically consists of the following components:

a) Basic Science Core (BSC)
b) Engineering Science Core (ESC)
c) Humanities and Social Science Core (HSC)
d) Program Core Courses (PCC)
e) Program Elective Courses (PEC)
f) Open Elective Courses (OPC)
g) Program Minor and Major Project (PRC)
h) Mandatory Non-Credit courses (MNC)

Note:

a) Open Elective Courses can be in any of the following areas*: Basic Sciences, Engineering Science Courses, Humanities & Social Sciences and Management.*

b) A student will not be permitted to register open elective course offered by the parent department.

c) The allotment of the open elective course shall be based on CGPA and the preference of the student.

d) *Mandatory Non-Credit courses include: Extra Academic Activity* in the first two semesters

3.2 The DAC - UG along with external members will discuss and finalize the exact credits offered for the program for the components (a) to (h) of 3.1, the semester-wise distribution among them, as well as the syllabi of all courses offered by the Department along with course outcomes of each course, course articulation matrix and pre-requisites, from time to time and recommend the same to the Senate through Curriculum Development Committee for consideration and approval.

3.3 Every student admitted into the first year is required to register, and complete satisfactorily, the Mandatory Non-Credit courses: Extra- Academic Activity (E.A.A. = Games & Sports and Yoga and Wellness) in the first two semesters. Students, who could not successfully complete EAA in both of the semesters of the first year, will have to satisfy this requirement before the end of Second year. Interested students can also enroll in NCC / NSS.

3.4 **Assignment of Credits to Courses:** Each course has a certain number of credit(s) assigned to it depending upon its lectures/tutorials/practical hours as shown below:

- Lectures and Tutorials: One lecture or tutorial hour per week over the period of one 14 week semester is assigned one credit.
- Practical/Practice: One laboratory/practice hour per week over the period of one 14-week semester is assigned half credit.

3.5 **DEGREE REQUIREMENTS:**

A student shall fulfil the following requirements for the award of the B.Tech. Degree:

(a) Credit Requirements: Student shall earn a min. of (150 to 160) Credits as prescribed in the curriculum of the respective Department with a CGPA of *not less than 5.00*.

(b) A student shall also complete the specified mandatory non-credit courses satisfactorily (Refer to rule 3.3)

(c) The minimum duration for a student for complying with the Degree requirement is *FOUR* Academic years from the date of first registration for his/her first semester.

(d) The maximum duration for a student for complying with the Degree requirement is *EIGHT* academic years from the date of first registration for his/her first semester.

4. ACADEMIC CALENDAR:

The Institute follows a semester system. An academic year generally runs from July through April next year and is essentially comprised of two semesters. Typically, the 1st semester starts in the 2nd week of July and ends in the last week of November; the 2nd semester starts in the second/third week of December and ends in the last week of April.

The Senate shall approve the schedule of academic activities for an academic year including the dates of registration, mid and End-semester examinations. The duration of each semester will normally be of 17 weeks, which includes all examinations. The number of effective teaching weeks in a semester shall be 14.

Academic calendar is approved by the Senate in the beginning of each academic year, which also includes the dates of the co-curricular and extra-curricular programs like Technozion /*Spring* Spree/Institute Fest/ Farewell Day etc. Both students and faculty are required to strictly adhere to the academic calendar for completion of academic activities.

5. RESIDENTIAL REQUIREMENT:

The Institute is essentially residential in nature. Unless otherwise exempted/permitted, every student shall reside in one of the Halls of Residence and be a boarder of a mess to which he/she

is assigned. The rules relating to the residential requirements are given in Student Disciplinary Manual (see https://nitw.ac.in/dms/).

6. ATTENDANCE:

Following are the rules relating to attendance requirements:

6.1 Every student is expected to have 100% attendance in each course in which he/she has registered at the beginning of the semester. However, condonation for shortage of attendance up to 20% (i.e., not lower than 80% aggregate attendance in any course) may be granted by the Head of the concerned Department.

6.2 Additional relaxation up to 15% is allowed in extreme cases such as medical grounds requiring hospitalization (minimum 3 days) or calamity in the family (Death/Serious illness to blood relatives). Students are required to submit appropriate proofs such as case sheet, proof of medical bills, proof of payment of Hospital bill etc.

6.3 Attendance relaxation up to 2% is allowed for girl students. Additional relaxation up to 5% is allowed for girl students in EAA.

6.4 Students with orthopedic disability are exempted from EAA.

6.5 A student representing the Institute in approved extracurricular activities such as Sports, Games, Cultural meets, Seminars, Workshops, Conferences and Interviews arranged through Centre for Career Planning and Development (CCPD), NCC/ NSS Camps shall be considered as on-duty, subject to a maximum of **five working days** in a semester. Prior permission from the concerned Head of the Department is required for availing on-duty permission. The period of absence, in such cases, will be counted as 'present' for the computation of percentage of attendance at the end of semester.

6.6 Additional relaxation up to **five working days** is allowed for Placement coordinators.

6.7 For the purpose of attendance calculation, every scheduled practical class will count as one unit irrespective of the number of contact hours.

6.8 Students not having the mandatory requirement of minimum attendance in any course, shall not be permitted to appear for the end semester examination in that course, and is awarded "R" Grade in that course. Such student has to register for the course in which he/she has shortage of attendance, as and when the course is offered next.

6.9 If the period of absence is for a short duration (of not more than one week), leave application should be submitted to the concerned Head of the Department, stating fully the reasons for the leave requested, along with the supporting document(s). The Head of the Department shall grant such leave. During such a leave period, the student will be marked as absent. Even with this leave applied, the student must satisfy the minimum attendance requirement to appear for the end semester examination.

6.10 If the period of absence exceeds one week, a prior application for grant of leave should be submitted through the Head of the Department to the Dean-Academic with supporting documents. The decision to grant such leave shall be taken by the Dean- Academic, after considering the recommendation of the Head of the Department, provided the student can maintain the minimum required attendance.

6.11 If a student is absent from the institute continuously for more than four weeks without notifying the Dean Academic, his/her registration for that semester will stand cancelled.

7. REGISTRATION:

7.1 Every student is required to register on-line at the commencement of each semester on the day(s) notified in the Academic Calendar and collect the registration slip signed by the

Faculty Advisor. However, Students with backlogs need to report physically before the faculty advisor for registration.

7.2 Percentage of attendance will be counted from the date of commencement of class work, irrespective of his/her date of registration. However, in case of 1st Semester, attendance will be counted from date of admission into the Institute or date of commencement of class work, whichever is later.

7.3 The registration will be organized at the respective Department under the supervision of the Head of the Department.

7.4 A student who does not register on the day announced for the purpose may be permitted, in consideration of any compelling reason, late registration within the next week on payment of additional late fee as prescribed by the Institute from time to time. In special cases where the delay is beyond one week, Dean Academic may allow, on a case to case basis, for late registration with appropriate fee.

7.5 After registration in each semester, each student should collect a registration sheet, which indicates the courses registered by him/her in that semester, signed by the faculty advisor. The student should carry this registration sheet for all the examinations in that semester. This registration sheet along with the Institute ID card serve the purpose of hall ticket for appearing for the examinations in that semester.

7.6 If a student finds his/her load heavy in any semester, or for any other valid reason, he/she can add/drop some courses within one week from the commencement of the class work in the semester with the written approval of his/her Faculty Advisor and Head of the Department, with an intimation to Dean-Academic.

7.7 Every student is required to register every semester without fail. If a student is permitted to take a semester break, he/she has to register for that particular semester and complete it before registering for the subsequent semester.

7.8 Only those students will be permitted to register who have

i. Cleared all the Institute and Hostel dues of the previous semesters,
ii. Paid all required fees for the current semester, and
iii. Not been debarred/suspended from registering for a specified period on disciplinary or any other ground.

7.9 Final year B.Tech. Students are eligible to take courses of I Year M.Tech programs of their parent department as electives.

7.10 In addition to the mandatory two fractal courses, students are allowed to register for a maximum number of 6 fractal courses by attending GIAN / SPARC workshops. If the student is able to acquire 3 credits through these fractal courses, one of the open elective / professional elective as recommended by DAC-UG may be waived.

7.11 Students with CGPA < 5.00 are permitted to register for the previous academic year courses where they have received a P grade in order to improve their grades. The higher of the two grades will be retained. A student can register for a maximum of three PCC courses for grade improvement in their entire course of bachelor's program.

7.12 **Registration in next Semester:**

- A student with a CGPA of 5.0 or above is eligible to register for courses in the next semester with following conditions:
    - Mandatory registration for backlog courses first in study mode and the remaining from the courses offered in the next semester so that maximum credit registration should not exceed 25 credits.

- The timetable should permit.
- A clear recommendation from the Faculty Advisor for the registration of courses.

- A student with a CGPA below 5.0 will be placed on slow-paced learning. The student will be permitted to take courses both backlogs and next semester at a slower pace satisfying the following conditions:
  - Mandatory registration for backlog courses first in study mode and the remaining from the courses offered in the next semester so that maximum credit registration should not exceed 20 credits.
  - The timetable should permit
  - A clear recommendation from the Faculty Advisor for the registration of courses

8. EVALUATION – GRADING SYSTEM:

8.1 As a measure of student's performance, a 7-scale grading system using the following letter grades and corresponding grade points per credit shall be followed.

Letter Grade	S	A	B	C	D	P	U
Point	10	9	8	7	6	5	3

Grading will be done based on the total marks obtained by the student in that course as shown in the following Table.

Letter Grade	**S**	**A**	**B**	**C**	**D**	**P**	**U**
Marks	**90-100**	**80-89**	**70-79**	**60-69**	**50-59**	**40-49**	**0 - 39**

However, if the faculty feels, the minimum marks for the award of "S" Grade may be lowered up to a maximum of 5 marks. Please make sure that the range of marks for all other Grades (A to P) shall be 10.

- A student, who has not written end semester examination shall be awarded "U" grade.
- Further, there shall be four transitional grading symbols, which can be used by the examiners to indicate the special position of a student in the course.
  - **I:** for "Incomplete assessment", when the student misses the End-semester examination on Medical grounds (see rule 10.4).
  - **R:** for 'Insufficient attendance' in the course (see Rule 6).
  - **W**: for "Temporary withdrawal' from the Institute (see rule 19).
  - **X**: for "Debarred" on grounds of indiscipline/ malpractices in examinations (https://nitw.ac.in/dms/).

8.2 Semester Grade Point Average (SGPA) will be computed for each semester. The SGPA will be calculated as follows:

$$SGPA = \frac{\sum_1^n C_i GP_i}{\sum_1^n C_i}$$

where C_i is Credits for the course, GP_i is the grade point obtained for the course and n is Number of courses registered in the semester.

8.3 Starting from I Year II Semester Cumulative Grade Point Average (CGPA) will be computed for every student at the end of every semester. The CGPA would give the Cumulative performance of the student from the first semester up to the end of the semester to which

it refers and calculated as follows:

$$CGPA = \frac{\sum_1^n S_i C_i}{\sum_1^n C_i}$$

where n is the total number of Semesters under consideration, Ci is the total number of credits registered during a particular semester and Si is the SGPA of the Semester.

8.4 The CGPA, SGPA and the grades obtained in all the courses in a semester will be communicated to every student at the end of every semester through a grade sheet. A consolidated grade sheet will be issued in the final semester, i.e., 8th Semester. This consolidated grade sheet supersedes all the earlier grade sheets.

8.5 Both SGPA and CGPA will be rounded off to the second place of decimal and recorded as such. Whenever these grade point averages are to be used for the purpose of determining the inter-se merit ranking of a group of students, only the rounded off values will be used.

8.6 CGPA to Marks Conversion:

CGPA shall be converted into percentage marks, if required, using the following formula:

% marks = (CGPA – 0.5) X 10

8.7 **Transitional Grades:**

a) **Grade I:** When a student gets "I" Grade for any course(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated ignoring this (these) course(s). After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after considering the new grades.

b) **Grades R, W and X:** When a student gets any of these transitional grades in any course(s) during a semester, the SGPA of that semester and the CGPA at the end of that semester will be tentatively calculated by taking 'zero point' for these course(s). After these transitional grades have been converted to appropriate grades, the SGPA for the semester and CGPA at the end of the semester will be recalculated after considering the new grades.

c) **Grade U:** When a student gets the 'U' grade in any course during a semester, the SGPA and the CGPA from that semester onwards will be tentatively calculated, taking 'three points' for each 'U' grade. After the 'U' grade has been substituted by better grades during a subsequent semester, the SGPA and CGPA of all the semesters starting from the earliest semester in which the 'U' grade has been updated, will be recomputed and recorded to take this change of grade into account.

9. ASSESSMENT OF ACADEMIC PERFORMANCE:

9.1 Each theory course in a semester is evaluated for 100 marks, with the following weightages.

Attendance	05
Teacher Assessment (Assignment, Project, Seminar, Quiz test etc. or any assessment method at the discretion of the teacher.)	15
Mid Semester Examination	30
Major Examination	50

The mode and nature of the evaluation and the corresponding weightages, for the Teacher Assessment shall be intimated to the students at the beginning of the semester along with the lecture schedule.

9.2 **Marks based on attendance**: Marks for attendance will be awarded as follows:

Attending 81-85% of classes:	1 mark
Attending 86-90% of classes:	2 marks
Attending 91-95% of classes:	3 marks
Attending 96-100% of classes:	5 marks

* Students officially permitted to represent the institute in approved extracurricular activities such as Sports, Games, Cultural meets, Seminars, Workshops, Conferences and Interviews arranged through Centre for Career Planning and Development (CCPD), NCC/ NSS shall be considered for the award of marks for attendance.

9.3 **Absence of more than 20%:** Not permitted to take the final exam. He/she has to register for those courses in a subsequent semester when offered and attend classes.

9.4 There will be coordinator amongst the faculty members handling the common course across several sections. For the uniformity, based on the coverage of the syllabus, a common question paper may be prepared for the mid/minor semester and major (end-semester) examinations. It is also suggested to formulate a uniform evaluation scheme. However, the evaluation and grading may be performed by individual faculty member. The mode and nature of the evaluation and the corresponding weightages, for the Teacher Assessment shall be intimated to the students at the beginning of the semester along with the lecture schedule.

9.5 If due to any compelling reason (such as his/her illness, calamity in the family etc.) a student fails to meet any of the requirements within/on the scheduled date and time, the faculty member in consultation with the concerned the Head of the Department may take such steps (including the conduct of compensatory tests/minor examinations) as deemed fit.

9.6 Each laboratory course in a semester is evaluated for 100 marks, through continuous assessment. The marks for continuous assessment may be distributed among various components like Attendance, class work performance, Lab records, Quizzes, viva, skill tests/ assignments/ mini projects**. It's not mandatory to conduct major (end semester) examination for a laboratory course.** However, if it is conducted, the weightage for the end semester examination shall be less than or equal to 50 marks. The scheme of evaluation has to be informed to students by the respective faculty in the beginning of the laboratory course.

9.7 **Major Project:** Major Project is a 6-credit course and is offered in the 8th Semester. The method of evaluation should be as per the guidelines stipulated for the B.Tech. Project evaluation. The template for preparation of the project report may be downloaded from (https://www.nitw.ac.in/main/UGForms/NITW/). The students are required to submit a report showing that the plagiarism is within 30% along with the three annexures as stipulated in Anti-plagiarism policy. The B.Tech. Project work will be evaluated for 100 marks, with the following weightages:

Sub-component	**Weightage**
Periodic evaluation by Guide	40 marks
Mid-term review	20 marks
End Semester viva-voce examination	40 marks

The midterm review and the end semester viva-voce examination will be conducted by a

committee constituted by the Head of the Department. If the performance of a student is not satisfactory, he/ she can be awarded 'U' grade. Such a student will be given a maximum time of three months to improve his/her performance. If the performance of such a student is not satisfactory even after the extended time period, he/ she will have to repeat the project work in the next academic year.

The Departments have to evolve **rubrics** for the evaluation of Project work. The marks may be distributed among various components like selection of topic, problem statement, literature review, methodology, oral and written presentation of the work done and performance in viva-voce examination.

9.8 Summer/research Internship/Engineering Projects in community service (EPICS)

- Every student has to undergo either Summer Internship or EPICS Project.
- The summer internship may be undergone in an industry/Research organization or any premier Academic Institution, including NIT Warangal for 6-8 weeks.
- The EPICS/research project shall be registered under the guidance of any faculty member in the Institute.
- The student is required to submit a report and present the work before an evaluation committee, nominated by the Head of the Department.
- The Departments have to evolve rubrics for the evaluation of summer/research internship/EPICS project.

9.9 Monitoring the academic progress of Slow learners:

- Student performance in the 1st and 2nd semesters, along with attendance, will be continuously monitored through ERP.
- If a student's CGPA is below 5.00 by the end of the 2nd semester, both the student and his/her parents/guardian will be informed, and warnings shall be issued to the student. The student along with their parents/guardian shall sign an undertaking, and parents/guardian will be advised to counsel and monitor their ward's performance.
- A student will be automatically placed on slow-paced learning mode during the 3rd and 4th semesters, or until his/her CGPA improves above 5.00.
- A student placed in the slow-paced learning may be given the opportunity to re-register in study mode for the course in the next available session, either in summer or regular semester to improve his/her CGPA, if timetable permits.
- Attending classes is essential for student's success. Therefore, both attendance and academic performance will be closely monitored through the ERP system in a continuous basis, with regular notifications sent to students, their parents and faculty advisors.
- Each student's progress shall be religiously monitored periodically with active involvement of faculty advisors. Student counselling services shall be actively engaged in addressing issues of distress or other factors contributing to poor performance.
- In addition to classroom teaching, increased faculty interaction shall be encouraged to help identify learning challenges faced by students.
- If a slow learner faces difficulty in clearing a course, on recommendation of the Faculty Advisor, an alternative course (may be a skill based or project-based course) can be permitted so that a student with slow learning can complete the program without much hurdle and mental stress. However, the core course should not be replaced.

10 MAJOR EXAMINATIONS:

10.1 The Major (End-semester examinations) in respect of theory courses will be conducted centrally by the examination branch as per the schedule given in the academic calendar.

10.2 Head of the Department sends the list of courses registered by each student for the semester along with percentage of attendance.

10.3 Appearing in the major examination in the theory and laboratory (if conducted) courses is mandatory for a student. Unless exempted as stated in rule 10.4, if a student fails to appear for the major examination, he/she shall be awarded 'U' grade in the course.

10.4 However, if a student misses the end-semester examinations due to a compelling reason like serious illness of himself/herself which necessitates hospitalization or a calamity in the family, he/she may appeal to the Dean-Academic before commencement of examination through his/her Head of the Department after getting medical certificate from Institute Medical Officer for permitting himself/herself to appear in the subsequent examination(s), when conducted next. A committee consisting of the following members may, after examining the documents and being convinced about the merit of the case, recommend permitting him/her to appear in the subsequent examination(s), when conducted next, condoning his / her absence. In such cases, transitory grade 'I' is temporarily awarded to the student in the course. **Re-end examination will be conducted once in a year, at the time of Make-up examination.**

Sub-committee:

Dean-Academic, Chairman.
Dean, Student Welfare
Concerned Head of the Department
The Institute Medical officer
Professor-in-Charge, Examinations (Convener)

10.5 Students will be permitted to appear in the examinations in only those courses for which they have registered at the beginning of the semester.

10.6 The final grades awarded to the students in a course must be submitted by the faculty member, within five working days from the date of the last examination to the concerned Head of the Department. The Head of the Department shall place the grades of students in all courses before the DAC-UG for its consideration and recommendation. The grades recommended by the DAC-UG shall be sent to the examination branch.

10.7 Any change of grade of a student in a course consequent upon detection of any genuine error of omission and/or commission on part of the concerned faculty member must be recommended by the DAC-UG and shall be forwarded by the faculty member through the Head of the concerned Department within 5 working days from the date of publication of results.

10.8 As a process of learning by students and also to ensure transparency, the answer scripts after correction of class tests, minors, written examinations, assignments etc., shall be shown to the students within two weeks from the date of test/examination. The faculty must submit the marks obtained in continuous evaluation to the Head of the Department. The performance of the students in these examinations shall be discussed in the Class Review Committee meeting.

10.9 In order to ensure transparency in the evaluation of scripts of end-semester examination, those answer scripts also shall be shown to the students up to one day before the finalization of grades in the DAC-UG. Once the Grades are finalized by DAC-UG, the student will no longer have any right to verify his/her answer scripts.

10.10 The student can appeal to Departmental Academic Appeals Committee (DAAC) for any arbitration within 5 working days from the date of official publication of results in the Institute Website.

11. EVALUATION OF INTEGRATED (THEORY + LABORATORY) COURSES:

11.1 For integrated courses, the criterion of minimum attendance shall be satisfied separately in theory and laboratory classes. Otherwise he/she will be awarded 'R' grade.

11.2 The weightage for evaluation shall be based on credit ratio of the theory to laboratory in that course. For example, in a 2-0-2 (3 credit course), the weightage for the laboratory shall be 33% (1/3). For a 3-0-2 or 2-1-2 (4 credit course), the weightage for the laboratory shall be 25% (1/4).

11.3 For the integrated course, the total marks need to be calculated based on the above weightage.

11.4 All the rules for grading applicable to other courses may be followed in toto for grading any integrated course.

11.5 The evaluation scheme for both theory and laboratory components shall be informed to the student through lecture plan in the beginning of the course.

11.6 In case of makeup examination, the student shall be evaluated in both theory and laboratory components and after arriving at the total marks based on the weightage, the applicable rules shall be followed for awarding a grade.

12. MANDATORY NON-CREDIT COURSES:

12.1 Extra Academic Activity (E.A.A. = Games & Sports and Yoga and Wellness) in the first two semesters. They are executed by the Centre for Sports Activities.

13. SWAYAM / NPTEL COURSES:

13.1 A student may complete SWAYAM-NPTEL courses and transfer equivalent credits to partially complete the mandatory credit requirements of the concerned B.Tech. Program.

13.2 The Department may permit students to register from other platforms, by taking care of evaluation and grading.

13.3 Before the commencement of each Semester, the Parent Department shall release a list of SWAYAM-NPTEL courses, duly approved by the Director that may be offered as Departmental Elective/Open Elective courses.

13.4 A student shall only request for transfer of credits from such notified SWAYAM-NPTEL Courses as published by the concerned Departments.

13.5 SWAYAM-NPTEL Courses are considered for transfer of credits only if the concerned student has successfully completed and obtained the SWAYAM-NPTEL Certificate to this effect.

13.6 A student cannot transfer credits from SWAYAM-NPTEL Courses for any other type of Courses not permitted in the concerned Curriculum.

13.7 Students shall register for the approved Courses as per the schedule announced by SWAYAM-NPTEL.

13.8 The credit equivalence for SWAYAM-NPTEL Courses: 12 weeks – 3credits; 8 weeks – 2 credits; 4 weeks – 1 or 0 credits.

13.9 The marks obtained by the student for such SWAYAM-NPTEL Courses will be converted to grades as per the evaluation guidelines (8.1) suggested.

13.10 A student must submit the original SWAYAM-NPTEL Course Certificates to the Head of the Parent Department concerned, with a written request for the transfer of the equivalent credits. On verification of the SWAYAM-NPTEL Course Certificates and approval by the

Head of the Department concerned, the SWAYAM-NPTEL Course(s) and equivalent Credits will be included in Course (with associated Credits) Registration of the concerned student in the Semester immediately following the completion of the SWAYAM-NPTEL Course(s).

13.11 If any faculty is assigned for the evaluation of the courses taken through these platforms, he/she can evaluate like any regular course by following the assessment and evaluation guidelines.

13.12 A student may submit a request for credit transfer from SWAYAM-NPTEL Courses before the last instruction day of the 8th Semester of the B.Tech. program as specified in the Academic Calendar.

13.13 The Institute shall not reimburse any fees/expenses, a student may incur for the SWAYAM-NPTEL Courses.

14. AWARD OF CLASS

14.1 **First Division with Distinction:** A student who has passed all the prescribed courses with P are higher grade and without securing R, X, or U Grades during the period of study and with a **CGPA of 8.00 and above** is considered eligible for the award of First Division with Distinction.

14.2 **First Division:**

a) A student failing to satisfy Rule 14.1, even if he/she gets a **CGPA of 8.00** or more will be eligible for the award of First Division only.

b) A student with a CGPA of 6.50 and above but less than 8.00 is considered eligible for the award of First Division.

14.3 **Second Division:** A student with a CGPA of 5.00 and above but less than 6.50 is considered eligible for the award of Second Division.

15. MAKEUP EXAMINATION:

Makeup examinations will be conducted once in an academic year, during summer. Students appearing in Makeup examination shall be governed by the following rules:

15.1 Student with 'U' grade(s) can appear in Make-up examination conducted at the end of Academic year, or register in Study mode (including summer classes, if offered), whenever the course is offered. In case of Study mode, his/her previous marks/grades are cancelled and he/she will have to attend all classes and examinations along with next batch of students. Major changes in the timetable shall not be entertained to accommodate backlog students.

15.2 Students with “R” Grade in any course are not eligible for writing the makeup examination for that course.

15.3 Students with “U” or “I” Grade only are eligible to write makeup examination. The marks obtained by the student in continuous evaluation will be added to the marks obtained in makeup examination and will be graded as per the grading used for his/ her class.

15.4 A student can appear only once in the makeup examination (the earliest opportunity) in the courses in which he / she has obtained "U" grade.

15.5 Failing to clear / appear the course in the makeup examination (the earliest opportunity), the student shall have to register for the course in study mode, whenever it is offered.

15.6 The schedule for makeup examination will be given in the Academic calendar.

15.7 A student can register for makeup examinations in any number of courses. The schedule of makeup examinations will not be altered to suit individual students.

16. MINOR PROGRAM:

Minor is an additional credential a student may earn if she/he does 15 credits worth of additional courses in a discipline other than her/his major discipline of B.Tech. Degree. All academic units in the Institute offer minors in their disciplines, and will prescribe a specific set of courses and/or projects necessary for earning a minor in that discipline.

16.1 Students with a minimum of 7.00 CGPA without any "U" Grade / backlog / R Grade are only allowed to register for Minor program offered by any other Department.

16.2 Students who are permitted to register for a Minor program will have to pay a onetime fee of Rs. 6,000/-.

16.3 Students, satisfying the eligibility requirements may be permitted to do one minor/one honors or two minors or one minor and one Honors.

16.4 Number of credits for earning Minor degree is 15 with 5 courses or (4 courses + 1 project for 3 credits), as prescribed by that Department.

16.5 Courses for Minor degree start from 3rd Semester and the student is required to register for one minor specialization course in every semester.

16.6 Minimum and maximum number of students for any Minor degree is 10 and 80 respectively.

16.7 Students registering for Minor program shall be prepared to write more than one exam in a day.

16.8 After successful completion of the Minor degree requirements, the student will be awarded a degree in "name of the discipline" with minor degree in "name of the minor program".

16.9 NCC Minor: The students who are the cadets of NCC at school level are only eligible and hence the CGPA eligibility for this Minor is relaxed. This Minor program starts from 1st Semester and will be completing by 6th Semester. The credits for NCC Practical are treated as equal to that of a theory course.

17 HONORS PROGRAM:

Honors is an additional credential a student may earn if she/he opts for the extra 15 credits needed for this in her/his own discipline. The concerned department specifies the set of courses for earning Honors. Honors is not indicative of class.

17.1 Students with a minimum of 7.50 CGPA without any "U" Grade / backlog are only allowed to register for Honors program offered by that Department.

17.2 Students who are permitted to register for Honors program will have to pay a onetime fee of Rs. 6,000/-.

17.3 Students, satisfying the eligibility requirements may be permitted to do one minor/one honors or two minors or one minor and one Honors.

17.4 Number of credits for Honors program is 15 with 5 courses or (4 courses + 1 project for 3 credits) as prescribed by that Department.

17.5 Courses for Honors Program start from 5thSemester and the student is required to plan registration for Honors courses, in order to complete all the courses by the end of 8th Semester.

17.6 Students registering for Honors program shall be prepared to attend classes and write examinations with M. Tech students. They shall be prepared to write more than one exam in a day.

17.7 After successful completion of the Honors program, the student will be awarded a degree in "*name of the discipline*" with "Honors"

18 SEMESTER INTERNSHIP:

18.1 Students with CGPA more than 6.50 and having no backlogs up to 7th Semester will only be permitted to go for internship arranged through CCPD in the 8th Semester.

18.2 Students shall complete the courses prescribed for the 8th Semester through self-study mode or by enrolling in an appropriate SWAYAM/NPTEL online course, in accordance with the regulations specified in Section 13. They shall appear for the Mid-Semester and End-Semester examinations conducted by the Institute as per the prescribed schedule.

18.3 The project carried out by the student during internship will be considered for project.

18.4 The organization providing internship shall allow the students to present the data related to his/her project carried out during internship in the project report to be submitted to the institute for evaluation.

18.5 Students can complete the elective courses of 8th Semester in 6th or 7th Semester so as to enable themselves for semester internship. However, the grades of these courses will be reflected in 8th Semester Grade sheet only.

18.6 Students may be permitted to write exams (continuous evaluation) online.

19 TEMPORARY WITHDRAWAL FROM THE INSTITUTE:

19.1 A student who has been admitted to an undergraduate degree program of the institute may be permitted to withdraw temporarily for a period of one semester or more from the Institute on grounds of prolonged illness or acute problem in the family, which compelled him/her to stay at home, provided that

- He/she applies to the Institute within 15 days of the commencement of the semester or from the date he/she last attended his/her classes whichever is later, stating fully the reasons for such withdrawal together with supporting documents and endorsement of the parent/guardian.
- If the student applies for withdrawal before the start of the Semester or within 15 days of the commencement of the semester, he/she will be exempted from paying the tuition fee for that semester.
- The Institute is satisfied that, including the period of withdrawal, the student is likely to complete his/her requirements for the degree within the time limits specified.
- There are no outstanding dues against him/her or demands from him/her in the Institute/Hostel/Department/Library/NCC etc.

19.2 A student, who has been granted temporary withdrawal from the Institute under the above provisions will be awarded 'W' grade.

19.3 A student will be granted only one such temporary withdrawal during his/her tenure.

20 TRANSITORY REGULATIONS:

20.1 If a student who was admitted under the old regulations with the old curriculum is allowed to withdraw temporarily for one or two semesters (as per Clause 19) and then re-admitted, the new regulations with the new curriculum will apply to him/her from that Semester onwards.

20.2 The student has to continue the course work along with the regular students of the respective semester in which the student gets re-admission.

20.3 Credits and grades earned under the old regulations with the old curriculum will be transferred to the new regulations with the new curriculum.

20.4 The student has to register for Substitute courses offered in place of courses already studied earlier or no longer offered in new regulations with the new curriculum and other Compulsory courses as specified by DAC-UG.

20.5 If a student is readmitted to new regulations and a new curriculum after a temporary withdrawal and has not studied any courses in his/her previous regulations and curriculum of study, the student should be given the opportunity to register for that course(s) in study mode without changing the time tables.

20.6 For the course(s) with "U" grade in earlier semesters (before re-admission), the student has to acquire credits from the make-up examinations as and when conducted. The question paper model shall remain same as the one in which the student first appeared for examination in that course(s). A student can register in study mode, if he /she is interested, with an equivalent course suggested by DAC-UG for the course in which he/she got "U" grade before re-admission.

20.7 The decision of the DAC-UG is final on any other clarification in this regard.

21. CERTIFICATE RETENTION FEE:

Students will be charged with Certificate retention fees as per the details shown below:

All students –

a) Who have passed in current and previous academic year - No charge
b) Who have passed in the last 2 to 10 academic years - Rs.1,000/-
c) Who have passed in the last 11 to 20 academic years - Rs.5,000/-
d) Who have passed more than 20 academic years back - Rs.10,000/-

22. STUDENT FEEDBACK:

It is mandatory for every student to submit the feedback on each and every course, he/she has undergone, at the end of every semester. At the end of 8th semester, Exit feedback is also to be submitted. Results will be withheld for those students who have not submitted the feedback. All such students have to a) pay a fine of Rs. 500/- b) obtain permission from Dean (Academic) and c) fill the feedback for viewing the withheld result.

23. INSTITUTE LEVEL AWARDS:

- Endowment awards in the form of merit certificates / cash prizes / gold medals / Alumni Gold medal will be distributed to the meritorious students on the Institute Day which will be held during the last working week of the academic year.
- The Gold medals for the toppers of each branch and overall topper of the institute will be distributed on the Convocation Day which will be held during the month of August / September.

24. EXAMINATION RECORDS:

25.1 The valued answer scripts shall be preserved for a maximum period of 6 months after publication of results and submission of course files.

25.2 Examination record of all students shall be maintained in both soft and hard copy form in the Examination Branch.

25. CHANGE OF REGULATIONS:

The academic programs of the Institute are governed by Rules and Regulations approved by the Senate from time to time. The Senate is a statutory and supreme body that governs all academic matters of the Institute, and the rulings of Chairman, Senate (Director of the Institute) are final in regard to all academic issues.

Notwithstanding all that has been stated above, the Senate, has the right to modify any of the above rules and regulations from time to time. All such modifications shall be documented and numbered sequentially and will be made available on the Institute website under Ordinances.

26. SUMMER COURSES

- The Summer Courses will be offered only for 1st year and 2nd year courses.
- Summer course will be offered if the number of students with U grade are > 10. When a summer course is offered, it will be compulsory for all students with 'U' grade in that course to register.
- Students with R grade are not permitted to register for Summer Courses.
- The Grade earned by the student in summer courses shall be reduced (except for "P" grade) by one grade.
- Students with CGPA < 5.00 are also permitted to register for the Summer Course (**Only the courses having with P grade**) to improve their grades. The higher of the two grades will be retained.
- Students who wish to register for summer courses will have to pay a fee of Rs. 3,000/- per credit.

27. EXIT POLICY FOR B.Tech.:

The student shall be eligible for exit from the program at the following stages:

(a) No exit option shall be available after the first year.

(b) A Foundation Certificate shall be awarded upon completion of the second year.

(c) A Diploma shall be awarded upon completion of the third year.

28. Integrated M.Tech (B.Tech – M.Tech)

- The integrated M. Tech. degree program is a five year program derived by full integration of B. Tech. and M. Tech. programs in the respective discipline.
- B Tech students of NIT Warangal, having a CGPA > 8.00 (Open/OBC) / 7.50 (SC/ST/PWD) at the end of 6th semester are eligible for Integrated M.Tech with 5 years duration
- During 7th, 8th, 9th and 10th semesters students shall register a mix of B. Tech. and M. Tech. courses so as to complete all the credit requirements within five year time.
- Integrated M. Tech. degree students shall earn a minimum of 190-200 Credits.
- The student shall be given an exit option at the end of FOURTH year.
- After completion of FIVE years, the student shall be awarded both B.Tech and M.Tech Degrees.

- Students doing Honors are permitted to opt for M.Tech. in the relevant specialization based on the courses taken in Honors.
- The credits earned in Honors will be transferred.
- They need not do a project as part of their B.Tech. However, they are required to carry out M.Tech. Dissertation in 9th and 10th semesters on par with regular M.Tech students.
- They have to complete all the core courses of B.Tech and study a few more courses from the respective M.Tech. Specialization as suggested by the department to earn the minimum credits.
- Students, who are in their V year having a valid GATE score will be paid stipend on par with regular M.Tech students.
- A maximum of 5 seats may be permitted in a specialization.

29. B.Tech – PhD

- B.Tech. students from reputed CFTIs, having a CGPA more than 8.00 (Open/OBC) / 7.50 (SC/ST/PWD) are eligible for Full Time Ph.D.
- The student shall have qualified in GATE.
- The student has to complete 18 credits of course work.
- All the other regulations are same as that of Full-Time PhD scholars.

ACADEMIC COMMITTEES: FUNCTIONS AND RESPONSIBILITIES

Committee	Constitution of the Committee	Guidelines	Functions
DEPARTMENTAL ACADEMIC COMMITTE – UG (DAC-UG)	**Chairman:** Head of the Department **Members:** All Professors and Associate Professors and Faculty Advisors • **Tenure:** two years.	• The Head of the Department will nominate one of the members as secretary. • There shall be one DAC-UG for every department that is involved in the teaching for the B.Tech program. • There shall be one DAC-UG for each of the basic science and Humanities and Social Science Departments. • The Chairman may co-opt and/or invite more members including external experts while framing the curriculum/or revising the curriculum	• To monitor the conduct of all undergraduate courses offered by the Department and course work of undergraduate program. • To ensure academic standards and excellence of the courses offered by the department. • Review and Recommend the grades to senate for approval. • To consolidate the registration of the students and communicate to the course instructor and Dean-Academic. • To consider any matter related to the undergraduate program(s) of the Department. • To take up any responsibility or function assigned by the Senate or the Chairman of the Senate or Chairman of DAC-UG. • To report the cases of malpractices to the Malpractices and Disciplinary Action Committee.

CLASS REVIEW COMMITTEEE (CRC)	**Chairman:** Head of the Dept. / Senior Faculty of the Department concerned, preferably not associated with teaching of the class, to be nominated by the Head of the Department concerned. **Members**: All faculty members handling the class, Six students, to be chosen by the students of the class from amongst themselves. **Convener / Secretary:** Faculty advisor of the class **Tenure:** One Semester	Every Class (group of students registered for a course and taking the course together in a section/class) of the UG Program shall have a Class Review Committee, consisting of Faculty and Students.	• The Class Review Committee shall meet at least twice in a semester, once between four to five weeks and another between 10 to 11 weeks after the commencement of classwork. • The basic responsibilities of the Class Review Committee are to review periodically the progress of the classes, to discuss problems concerning curriculum and syllabi and the conduct of the classes. • The committee will review the performance of the class in various exams conducted as part of continuous evaluation till that date. • Each CRC will communicate its recommendations to the Head of the Department / DAC-UG of the parent teaching department. • The minutes of each CRC meeting shall be recorded in a separate minutes register maintained in the parent/teaching department. • Any appropriate responsibility or function assigned by the DAC- UG or the chairman of the DAC- UG
DEPARTMENTAL ACADEMIC APPEALS COMMITTEE (DAAC)	**Chairman:** Head of the Department **Members:** Three faculty members of the Department consisting of one Professor, one Associate Prof. and one Asst. Prof. • **Nominee:** One Professor from outside the Department nominated by Dean-Academic	• There shall be one DAAC for every department. • The Chairman may co-opt and / or invite more members. • If the concerned instructor is a member of DAAC then he/she shall keep himself out of the Committee during deliberations. • The quorum for each meeting shall be a minimum of THREE (Professor from outside department is mandatory).	• To receive grievance /complaints in writing from the students regarding anomaly in award of grades due to bias, victimization, erratic evaluation, etc. and redress the complaints. • To interact with the concerned course instructor and the student separately before taking the decision. • The decision of the DAAC will be based on simple majority • The recommendations of the DAAC shall be communicated to the Dean-Academic for further appropriate action as required.

CURRICULUM DEVELOPMENT COMMITTEE (CDC)	**Chairman:** Head of the Dept./Senior Professor **Members:** All professors and Associate Professors, Three External members: One from Academics, One from Industry, One from R&D labs (One of the above may be an alumnus	• The Chairman will nominate one of the members as secretary. • The Chairman can co-opt any other member	• To develop the curriculum for the UG courses offered by the department and recommend the same to the Senate. • The CDC is required to meet at least once in two years. • To review the internal audit reports submitted by faculty
ACADEMIC AUDIT COMMITTEE – DEPT. (AACD)	**Chairman:** Professor nominated by Director **Members:** One Department Nominee **Convener:** Head of the Department	• The duration of the members of the committee will be two years	• To recommend corrective measures, if any. • To send a consolidated report to Academic Audit Committee – Institute
ACADEMIC AUDIT COMMITTEE – INSTITUTE (AACI)	**Chairman:** Director • **Members:** Dean (Academic), Two professors nominated by Director	• The members of the duration of the committee is TWO years.	• To review the recommendations of AACD of each department • To initiate appropriate measures (counseling / training etc.).
FACULTY ADVISOR	**Faculty Advisors:** nominated by the Head of the Department	• In case of UG, one Faculty advisor for each year.	• To help the Students in planning their courses and activities during study. • To guide, advice and counsel the students on academic program and registration. • To register the students for the course work in both the autumn and spring semesters. • To present the results of even and odd semesters to DAC-UG