FOREWORD

Hyderabad Institute of Technology and Management (HITAM) is an Engineering College situated in a sprawling lush, green campus at Medchal in Telangana State, India. HITAM was established in the year 2001 and is the **First LEED certified Silver rated Green Building Educational Institution in India by US Green Building Council**.

HITAM an UGC conferred Autonomous institute is recognized by AICTE New Delhi and is affiliated to JNTUH, Hyderabad. HITAM is built in a Sprawling beautiful campus in 7.7 Acres lush green landscape. Possess excellent infrastructure with state-of-the-art facilities in 14744 square meters of built-up area. HITAM believes that their objective is just not to help its students secure a degree, but need to look beyond. HITAM believes that the years spent at its campus by its students are extremely impactful as that period witnesses their transformation. Therefore, the college constantly endeavors to shape their attitude and personality to help them emerge as remarkable individuals when they leave the portals of this institution.

Quality Policy:

The autonomous regulations, course structure and syllabi have been framed in accordance with the vision and mission of the institution along with certain valuable suggestions from professionals of various ancillary fields such as the Academicians from IIT's, Universities and reputed organizations along with advisors from the industry and the research, all with a noble vision to impart quality technical education and contribute in catering full-fledged engineering graduates to the society.

All the stake holders' suggestions are considered while framing these guidelines and their suggestions are considered. Their cooperation is sought for the successful implementation of the autonomous system in the larger interests of the institution and for brightening the career prospects of engineering graduates.

PRINCIPAL

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Academic Regulations (HR 26)
B. Tech. - Regular Four-Year Degree Programme
(For batches admitted from the academic year 2026 - 27)
&
B. Tech. - Lateral Entry Scheme
(For batches admitted from the academic year 2027 - 28)

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For pursuing four years undergraduate Bachelor Degree Programme in Engineering (B. Tech.) offered by **Hyderabad Institute of Technology and Management** and Jawaharlal Nehru Technical University Hyderabad (JNTUH) under UGC Autonomous status will herein be referred to as HITAM (Autonomous).

All the specified rules are herein approved by the Academic Council of HITAM(Autonomous) and JNTUH. These rules will be in force and are applicable to students admitted from the Academic Year 2026-27 onwards. Any reference to "Institute" or "College" in these rules and regulations stand for HITAM (Autonomous).

Choice Based Credit System (CBCS) has been adopted by HITAM under the affiliation of JNTUH.

All the rules and regulations specified shall hereafter be read as a whole for the purpose of interpretation, as and when a doubt arises, the interpretation of the Chairman, Academic Council with the approval of JNTUH is final. As per the requirements of statutory bodies, the Principal, HITAM (Autonomous) shall be the Chairman, Academic Council.

1. UNDERGRADUATE PROGRAMS OFFERED (Engineering and Technology)

HITAM (Autonomous), affiliated to JNTUH, offers 4 Year (8 Semesters) **B. Tech** Degree Programme in the following Branches of Engineering under **C**hoice **B**ased **C**redit **System** (CBCS):

1) B. Tech - Electrical & Electronics Engineering: (EEE)
2) B. Tech - Mechanical Engineering: (ME)
3) B. Tech - Electronics and Communication Engineering: (ECE)
4) B. Tech - Computer Science and Engineering: (CSE)
5) B. Tech – CSE - (Artificial Intelligence & Machine Learning): CSM
6) B. Tech - CSE - (Data Science): CSD

2. ADMISSION CRITERIA AND MEDIUM OF INSTRUCTION

2.1. Admission into first year of four-year B. Tech (Regular) Degree Programme:

2.1.1. Eligibility: A candidate seeking admission into the first year of four-year B.Tech. Degree Programme should have:
  (i) Passed either Intermediate Public Examination (IPE) conducted by the Board of Intermediate Education, Telangana, with Mathematics, Physics and Chemistry as optional Courses or any equivalent examination recognized by Board of Intermediate Education, Telangana or a Diploma in Engineering conducted by the Board of Technical Education, Telangana or equivalent Diploma recognized by Board of Technical Education for admission as per guidelines defined by the Regulatory bodies of Telangana State Council for Higher Education (TSCHE) and AICTE..

    (ii)   On the basis of the merit rank obtained by the qualified students at the entrance test conducted by Telangana Government (TGEAPCET) or any state level or national level entrance test the basis of any other order of merit approved by the University.

2.1.2. Admission Procedure: Admissions are made into the first year of four-year B. Tech Degree Programme.

    (a)   Category A: 70% of the seats are filled through TGEAPCET counseling.

    (b)   Category B: 30% of the seats are filled by the Management as per the stipulations of the TSCHE.

2.2. Admission into the second year of four-year B. Tech (Regular) Degree Programme Under Lateral Entry Scheme.

2.2.1 Eligibility: A candidate seeking admission into the II year I Semester B. Tech. Regular Degree Programme under Lateral Entry Scheme (LES) should have passed the qualifying examination (B.Sc. with Mathematics as a Course or Diploma in concerned course) and have secured a rank at Engineering Common Entrance Test TGECET (FDH). Admissions are made in accordance with the instructions received from the Convener, TGECET, TGCHE and Government of Telangana State.

2.2.2 Admission Procedure: Admissions are made into the II year of four-year B. Tech (Regular) Degree Programme through Convener, TGECET (FDH) against the sanctioned intake in each Programme of study as lateral entry student.

2.3. Branch Transfers: There shall be no Branch transfers after the completion of Admission Process.

2.4. Medium of Instruction: The Medium of Instruction and Examinations for the entire B. Tech programme will be in **English** only.

3. B. Tech PROGRAMME STRUCTURE

3.1 Admitted under Four Year B. Tech. (Regular) Degree Programme:

3.1.1 A student after securing admission shall pursue the under graduate Programme in B. Tech. for a minimum period of **four** academic years (8 semesters), and a maximum period of **eight** academic years (16 semesters) starting from the date of commencement of first year first semester, failing which, students shall forfeit their seat in B. Tech course in accordance to JNTUH norms.

3.1.2 As per AICTE guidelines, an induction program for minimum one week and maximum two weeks duration for the UG students entering the institution, right at the start shall be implemented. Following activities could be part of the induction Programme: i) Physical Activity, ii) Creative Arts, iii) Imparting Universal Human Values, iv) Literary Activities, v) Lectures by Eminent People, vi) Visits to Local Areas vii) Familiarization to Department as well as entire Institute and viii) Making students understand Innovative practices at the college premises etc.

3.1.3 The entire B. Tech. programme is structured for a total of 164 credits. Distribution of credits Semester-wise is available in the respective course structure. Each student shall register and secure 160 credits (with CGPA $\geq$ 5) for the completion of the under graduate programme and award of the B. Tech. degree.

3.2 **Admitted under Lateral Entry Scheme (LES) into B. Tech. Degree Programme:**

3.2.1 After securing admission into II-year B. Tech. I Semester, the LES students shall pursue a course of study for not less than three academic years (6 Semesters) and not more than six academic years (12 Semesters), failing which students shall forfeit their seat in B. Tech. Programme.

3.2.2 The student shall register and secure **120** credits (with CGPA $\geq$ 5) from II year to IV-year B. Tech. programme (LES) for the award of B. Tech. Degree.

3.3 **UGC / AICTE** specified definitions / descriptions are adopted appropriately for various terms and abbreviations used in these Academic Regulations / Norms.

3.3.1 **Semester Scheme:** Each B. Tech. (Regular) Programme is of 4 Academic Years (8 Semesters) and B. Tech. (LES) Programme is of 3 Academic Years (6 Semesters)). There shall be a minimum of 15 weeks or 90 days of instruction, excluding the mid-term and semester-end exams. Around 15 instruction hours, 30 instruction hours and 45 hours of learning need to be followed per one credit of theory course, practical course and project/field-based learning respectively. Each Semester, there will be - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)', Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as indicated by UGC and Curriculum / Course Structure as suggested by AICTE are followed.

3.3.2 **Credit Courses:**

a) All Courses are to be registered by a student in a Semester to earn Credits. Credits shall be assigned to each Course in a L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods: Credits) Structure based on the following general pattern:

Theory		Practical	
1 Hr. Lecture (L) per week/semester	1 credit	1 Hr. Practical (P) per week/semester	0.5 credit
1 Hr. Tutorial (T) per week/semester	1 credit	2 Hrs. Practical (Lab) per week/semester	1.0 credit

All Mandatory Courses, Audit Courses, Guest Lecture, etc., will not carry any Credits.

TEACHING & LEARNING SCHEME				
Classroom Instruction (Ci) (In Hours Per Semester		Lab Instruction (Li) (In Hours Per Semester)	Term work (Tw) & Self Learning (Sl) (In Hours Per Semester	Total Number of Hours Per Semester	Total Credits ©* [Total Hours/30]
Lecture(L)	Tutorial(T)				

b) Contact Hours: Weekly contact hours – maximum of 36 hours per week (i.e. 1 hour = 60 Minutes) including credit and non-credit courses.

3.3.3 Course Classification and Nomenclature:

HITAM(Autonomous) has followed the guidelines specified by AICTE / UGC / JNTUH. The Courses offered in B.Tech. programme are broadly classified as mentioned below.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	FoundationCourses (FnC)	BS – Basic Sciences	Includes Mathematics, Physics and Chemistry courses.
2		ES - Engineering Sciences	Includes Fundamental Engineering courses
3		HS – Humanities and Social Sciences	Includes courses related to Humanities, SocialSciences and Management
4	Core Courses (CoC)	PC – Professional Core	Includes core courses related to the parent branch of Engineering.
5	Elective Courses (EℓC)	PE – Professional Electives	Includes elective courses related to the parent branch of Engineering.
6		OE – Open Electives	Elective Courses which include inter- disciplinary courses or courses in an area outside the parent branch of Engineering.
7	Project Core	Project Work	B.Tech. Project or UG Project or UG Major Project or Project Stage I & II
8	Other Core Courses (OCC)	Industry Training/ Internship / Industry Oriented Mini- project/ Mini- Project/Skill Development Courses	Industry Training/ Internship / Industry OrientedMini-Project / Mini-Project/ Skill Development Courses/PBL
9		Seminar	Seminar/ Colloquium based on core contents related to parent branch of Engineering.
10	Skill Development Courses (SSDC)	-	Courses designed to help individuals gain, improve or refine specific skills.
11	Value added courses		Courses to build professional values, traditional knowledge and sensitization of societal issues
12	Mandatory Courses (MC) & Audit Courses (AC)	-	Mandatory Courses and Audit Courses do not have any Credits

4. COURSE REGISTRATION

4.1 A '**faculty advisor or mentor**' shall be assigned to a group of approximately 20-25 Students, to advise the student about the B. Tech. programme, course structure and curriculum, choice / option for courses, based on his/her competence, progress, pre-requisites and interest.

4.2 The academic section of the college invites 'registration forms' from students before the beginning of the semester through online/offline submissions, ensuring '**date** and **time stamping**'. The registration requests for any '**current** semester' shall be done **before the commencement of SEEs (Semester End Examinations) of the 'preceding semester'**.

4.3 A student can do the registration, only after obtaining the written approval from the faculty advisor/counselor, which will be forwarded to the college academic section through the Head of the Department. A copy of it shall be retained with Head of the Department, faculty advisor/counselor and the student.

4.3.1 Course options exercised through **on-line or offline** registrations are final and **cannot** be changed; further, alternative choices also will not be considered. However, if the course that has already been listed for registration by the Head of the Department in a semester could not be offered due to any inevitable or unexpected reasons, then the student shall be allowed to have alternative choice either for a new course (Course to offering of such a course), or for another existing course. Such alternative arrangements will be made by the Head of the Department, with due notification and time-framed schedule, within **a week**, but before the commencement of class- work of the semester.

4.3.2 The Head of the Department / Course Coordinator should review vacant slots in the timetable of each section once in every week or fortnight. The vacant slots in the time-table may be allocated to the Course teachers who could not take classes in proportion to the number of weeks completed from the commencement of the semester.

4.3.3 Two faculty members may be allocated for the tutorial session of Mathematics-1 course for better interaction/practice and to minimize the failures in the Course.

4.3.4 **Professional Electives**: The students have to choose six Professional Electives (PE-I to PE- VI) from the six baskets of professional electives given. They have the flexibility to choose from the list offered by the institute or opt to register for the equivalent Massive Open Online Courses (MOOCs) as listed from time to time by the institute.

4.4 A student shall register for all courses offered in that semester as specified in the course structure and may be permitted to register one(two) additional theory course (any elective) limited to 3(6) credits, based on the student's **progress** and completion of the '**pre-requisites**' as indicated for various courses, in the department course structure and syllabus contents.

4.5 Choice for '**additional courses**', not more than any 2 elective/course in any Semester, must be clearly indicated, which needs the specific approval and signature of the Faculty Advisor/Mentor/HOD.

4.6   Open electives: The students have to choose Open Electives from the list of Open Electives given by other departments. However, the student can opt for an Open Elective Course offered by his own (parent) department, if the student has not registered and not studied that Course under any category (Professional Core, Professional Electives, Mandatory Courses etc.) offered by parent department in any semester. Open Elective Courses already studied should not repeat/should not match with any category (Professional Core, Professional Electives, Mandatory Courses etc.) of Courses even in the forthcoming semesters.

4.7   Provision for Early Registration of MOOCs:

For a professional elective in a semester, students are allowed to register for an equivalent MOOCs course listed from time to time by the Institute one semester in advance. For example, a Professional Elective of III Year II Sem shall be allowed to register under MOOCs platform in III year I Sem.

The credits earned in one semester in advance can be submitted in the subsequent semester for the assessment.

The students who have registered in advance in an equivalent MOOCs course and fail to secure any pass grade in the MOOCs course, can register for the regular course offered in the following semester of their course structure.

Conversion of Marks Secured in MOOCs into Grades: Marks secured in the internal and external evaluations of a MOOCs course shall be scaled to 40 and 60 marks respectively. The sum of these two components shall be considered as the total marks out of 100. The corresponding grade shall then be determined as per the marks-to-grades conversion rules specified in regulations.

4.8   MOOCs are allowed only for professional elective courses and for a few Minors & Honors courses

4.9   Additional learning resources:

Students are encouraged to acquire additional course-related knowledge by auditing learning resources from MOOCs platforms for each course offered in their course structure. These additional courses are not meant for earning credits but are intended to enhance knowledge. The institute shall notify such courses from time to time through their portals for the benefit of students. They are categorized into three types: prerequisite, reinforcement, and aspirational. Prerequisite courses help students gain familiarity and provide sufficient background. Reinforcement courses aim to offer different perspectives on learning, while aspirational courses focus on next-level or advanced learning.

4.10   Mandatory and Audit Courses (Non-Credit): All mandatory and Audit courses wherever offered require prior registration.

4.11   B.Tech. with Honors in Engineering: A student can register for **Honors** Degree program in the discipline he has admitted for B.Tech. programme. In order to become eligible to apply for Honors Degree programme, he/she has to acquire minimum 7.5 **CGPA** till the end of the second year, Lateral Entry Students should maintain 7.5 CGPS in the Second Year B.Tech. program. A student with backlog at any point of time in the entire duration, shall not be considered to the Honors program.

- A student will be eligible to get B. Tech Degree with Honors if they acquire the additional 20 credits from the parent discipline course structure.
- The additional 20 credits required to attain B. Tech with Honors are offered from III year I semester onwards as decided by the respective board of studies.
- Honors is an additional credential to allow a bright and motivated student to learn additional Vertical/specialization courses in a discipline for Research Orientation. At the end of the second year, a student may decide to opt for Honors based on his interest. Students with CGPA of 7.5 at the end of the second year second semester are eligible for this Honors program.
- If a student drops/terminated from the Honors program, they cannot convert the earned credits into professional core or electives. These extra credits earned will be mentioned in the grade sheet but not in the degree certificate.
- The students have to pay the requisite fee as prescribed by the institute during that period for the additional courses to register for the Honors Degree Programme.
- A student has to complete all the registered additional courses under Honors degree to obtain the same within four-year course of their study.
- The attendance criteria for these courses are same as regular courses and the same rules as mentioned in sl.no 6 are applicable.
- If a student complete only few credits and drops out, a certificate for that credit's completion will be issued by the Institute, however if he completes all the registered 20 credits then an Honors' Degree will be issued in association with the affiliating University.
- The courses registered under Honor's programme can be carried out either through class room lectures or through MOOCs Platform.
- If students opts for MOOCs platform then he/she has to acquire suitable grade equivalent to 7.5 Grade Points and above.
- The Grading for these courses remains same as regular courses.
- A student can register for either Honor or Minors and not for both.

4.12. Minor Degree Programme Registration: A student can register for Minor Degree program

in any of the discipline offered by the institute other than the course he has registered for the regular Degree. In order to become eligible to apply for Minor Degree Programme, he/she has to acquire minimum **6.5 CGPA** till the end of the second year. Lateral Entry Students should maintain 6.5 CGPS in the Second Year B. Tech Program. A student will be eligible to get B. Tech Degree with Minors if they acquire the additional 18 credits as prescribed under Minor Degree Programmes course structure.

- The additional 18 credits required to attain Minors Degree are offered from III year I semester onwards as decided by the respective board of studies.
- The courses registered under Minor's programme can be carried out either through class room lectures or through MOOCs Platform.
- Minor should be chosen from any other branch/area for improving employability.
- Minors is an additional credential to allow a bright and motivated student to learn additional courses in a discipline other than his own discipline during his undergraduate study. At the end of the second year, a student may decide to opt for minors based on his interest. Students with CGPA of 6.5 at the end of the second year second semester are eligible for this minor program.
- The registrations for each Minor program are restricted to a maximum of 120 and the selection criteria is purely on merit basis.

- If a student drops/terminated from the minor program, they cannot convert the earned credits into open or core electives. These extra credits earned will be mentioned in the grade sheet but not in the degree certificate.
- If a student complete only few credits and drops out, a certificate for that credit's completion will be issued by the Institute, however if he completes all the registered 18 credits then Minor Degree will be issued in association with the affiliating University.
- The students have to pay the requisite fee for the additional courses as prescribed by the institute for that period to register for the Minor Degree Programme.
- A student has to complete all the registered additional courses under minor degree to obtain the same within four-year course of their study.
- The attendance criteria for these courses are same as regular courses and rules as mentioned in sl.no 6 are applicable.
- The Grading for these courses remains same as regular courses.

5. COURSES TO BE OFFERED

5.1 A typical Section (or Class) Strength for each Semester shall be approximately 60. A course may be offered to the students, **if only** a minimum 1/3 of students register to the course (if only a minimum of 15 students opt for it). The Maximum Strength of a Section is limited to 80 (60 + 1/3 of the Section Strength).

i) More than **one faculty member** may offer the **same Course** (lab / practical's may be included with the corresponding theory Course in the same semester) in any semester. However, selection choice for students will be based on '**first come first serve** basis and CGPA criterion' (i.e. the first focus shall be on early registration from the student in that semester, and the second focus, if needed, will be on CGPA of the student).

ii) If more entries for registration of a Course come into picture, then the concerned Head of the Department shall take necessary decision, whether or not to offer such a course for **two (or multiple) sections**.

iii) In case of options coming from students of other departments/ branches/ disciplines (not considering **open electives**), first **priority** shall be given to the student of the '**parent department**'.

6. ATTENDANCE REQUIREMENTS

6.1 A student shall be eligible to appear for the semester end examinations, if the student acquires a minimum of 75% of attendance in aggregate of all the courses (including mid examinations) for that semester.

6.2 Condoning of shortage of attendance is permitted to 10% (65% and above, and below 75%) may be granted by the college academic committee on genuine and valid grounds, based on the student's representation with supporting evidence. However, student needs to apply with the proof as and when availed leave on valid grounds.

6.3 A stipulated fee as prescribed by the institute shall be payable towards condoning of shortage of attendance.

6.4 Shortage of attendance below 65% aggregate shall in **no** case be condoned.

6.5 Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled, including all academic credentials (internal marks etc.) of that semester**. They will not be promoted to the next semester.** They may seek re-registration for all those Courses registered in that semester in which the student is detained, by seeking re-admission into that semester as and when offered; if there are any professional electives and/ or open electives, the same may also be re- registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the **same** set of elective Courses offered under that category.

6.6 A student fulfilling the attendance requirement in the present semester shall not be eligible for readmission into the same class.

7. ACADEMIC REQUIREMENTS:

The following academic requirements have to be satisfied, in addition to the attendance requirements mentioned in item no. 6.

7.1. A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each course, if the student secures not less than 35% (21 marks out of 60 marks) in the semester end examinations (SEE), and a minimum of 40% (40 marks out of 100 marks) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing **'C'** grade or above in that course.

7.2. A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to Field Based Research Project / Industry Oriented Mini Project / Internship, if the student secures not less than 40% marks (i.e. 40 out of 100 allotted marks) in each of them. The student is deemed to have failed, if he/she (i) does not submit a report on Field-Based Research Project/Industry Oriented Mini Project/ Internship, or (ii) not make a presentation of the same before the evaluation committee as per schedule, or (iii) secures less than 40% marks in Field-Based Research Project / Industry Oriented Mini Project / Internship evaluations.

7.3. A student eligible to appear in the semester-end examination for any course, is absent from it or failed (thereby failing to secure **'C'** grade or above) may re-appear for that course in the supplementary examination as and when it is conducted. In such cases, internal marks assessed in continuous internal evaluation (CIE) earlier for that course will be carried over, and added to the marks obtained in the SEE supplementary/make-up examination. If the student secures sufficient marks for passing, **'C'** grade or above shall be awarded as specified.

7.4 Promotion Rules

7.4.1   Four-year B. Tech (Regular):

S.No.	Promotion	Conditions to be Fulfilled
1	First year first semester to first year second semester	Regular course of study of first year first semester and fulfilment of attendance requirement.
2	First year second semester to Second year first semester	(i) Regular course of study of first year second semester and fulfilment of attendance requirement (ii) Must have secured at least 25% of the total credits up to first year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3.	Second year first semester to Second year second semester	Regular course of study of second year first semester and fulfilment of attendance requirement.
4	Second year second semester to Third year first semester	(i) Regular course of study of second year second semester and fulfilment of attendance requirement. (ii) Must have secured at least 25% of the total credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Third year first semester to Third year second semester	Regular course of study of third year first semester and fulfilment of attendance requirement.
6	Third year second semester to Fourth year first semester	Regular course of study of third year second semester and fulfilment of attendance requirement.
7	Fourth year first semester to Fourth year second semester	Regular course of study of fourth year first semester and fulfilment of attendance requirement.

7.4.2 Four-year B. Tech (LES):

S. No.	Promotion	Conditions to be fulfilled
1	Second year first semester to second year second semester	Regular course of study of second year first semester (3rd Semester)
2	Second year second semester to third year first semester	**(i)** Regular course of study of second year second semester (4th Semester) **(ii)** Must have secured at least 25% credits up to second year second semester (4th semester) from all the relevant regular and supplementary examinations whether the student takes those examinations or not.
3	Third year first semester to third year second semester	Regular course of study of third year first semester (5th semester)
4	Third year second semester to fourth year first semester	**(i)** Regular course of study of third year second semester.
5	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester (7th semester)

8. A student shall register for all courses covering 164 credits as specified and listed in the course structure and earn 160 or more credits (120 credits in case of LES) as specified and listed (with the relevant course classifications as mentioned) in the course structure, fulfill all the attendance and academic requirements for 160 credits (120 credits in case of LES) securing a minimum of **'C'** grade or above in each Course, and 'earn all 160 credits (120 credits in case of LES) securing SGPA >=5.0 (in each semester), and CGPA (at the end of each successive semester) >=5.0, to successfully complete the under graduate Programme.

8.1. If a student registers for **'additional Courses'** (in the parent department or other departments / branches of engineering) other than those listed Courses totaling to 160 credits (120 credits in case of LES) as specified in the course structure of parent department, the performances in those **'additional Courses'** (although evaluated and graded using the same procedure as that of the required 160 credits (120 credits in case of LES)) will not be taken into account while calculating the SGPA and CGPA. For such **'additional Courses'** registered, % of marks and letter grade alone will be indicated in the grade card as a performance measure, Course to completion of the attendance and academic requirements as stated in regulations 6 and 7 above.

8.2. A student eligible to appear in the semester end examination for any course, but absent from it or failed (thereby failing to secure **'C'** grade or above) may reappear for that course in the supplementary examination as and when conducted. In such cases, internal marks (CIE) assessed earlier for that course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that Course.

8.3. A student **detained in a semester due to shortage of attendance may be re-admitted when the same semester is offered in the next academic year for fulfillment of academic requirements**. The academic regulations under which student has been readmitted shall be applicable. However, no grade allotments or SGPA / CGPA calculations will be done for the entire semester in which student has been detained.

8.4. A student detained **due to lack of credits, shall be promoted to the next academic year only after acquiring the required academic credits by appearing for the Supplementary examinations as and when conducted.** The academic regulations under which student has been readmitted shall be applicable.

9.0 EVALUATION - DISTRIBUTION AND WEIGHTAGE OF MARKS

9.1 The performance of a student in each semester shall be evaluated course- wise (**including Practical's and Project Stage-1 and Stage-2 irrespective of credits assigned**) with a maximum of 100 marks. These evaluations shall be based on 40 marks allotted for CIE (Continuous Internal Evaluation) and 60 marks for SEE (Semester End Examination), and a letter grade corresponding to the percentage of marks obtained shall be given.

9.2 The details about the evaluation criteria and the eligibility for passing each course is enclosed in Examination-Evaluation Annexure-I

10.0 GRADING PROCEDURE

10.1 Marks will be awarded to indicate the performance of the student in each theory Course, lab / practical's, design/drawing practice, Mini Project, Internship, Presentations and Project Works' based on the percentage of marks obtained in Continuous Internal Evaluation plus Semester End Examination, both taken together, as specified in item 8 above, a corresponding letter grade shall be given.

10.2 As a measure of the student's performance, a 10-point Absolute Grading System using the following letter grades (UGC Guidelines) and corresponding percentage of marks shall be followed...

10.3

% of Marks Secured (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
90% and above ($\geq$ 90% , $\leq$ 100%)	O (Outstanding)	10
Below 90% but not less than 80% ($\geq$ 80%, < 90%)	A^+ (Excellent)	9
Below 80% but not less than 70% ($\geq$ 70%, < 80%)	A (Very Good)	8
Below 70% but not less than 60% ($\geq$ 60%, < 70%)	B^+ (Good)	7
Below 60% but not less than 50% ($\geq$ 50%, < 60%)	B (above Average)	6
Below 50% but not less than 40% ($\geq$ 40% ,< 50%)	C (Average)	5
Below 40% (< 40%)	F (Fail)	0
Absent	Ab	0

10.4 A student obtaining 'F' grade in any Course shall be considered **'failed'** and will be required to reappear as '**Supplementary Student**' in the Semester End Examination (SEE), as and when offered. In such cases, Continuous Internal Examination (CIE) in those Course(s) will remain same as those obtained earlier.

10.5 A letter grade does not imply any specific % of marks.

10.6 A student shall not be permitted to repeat any course (s) only for the sake of '**grade improvement**' or 'SGPA / CGPA improvement'. However, student has to repeat all the courses pertaining to that semester, if detained.

10.7 A student earns grade point (GP) in each course, on the basis of the letter grade obtained in that course (excluding mandatory non-credit courses). Then the corresponding '**credit points**' (CP) are computed by multiplying the grade point with credits for that particular course.

$$\text{Credit Points (CP)} = \text{Grade Point (GP)} \times \text{Credits}$$

10.8 The student passes the course only when $GP \geq 5$ (C grade or above).

10.9 The Semester Grade Point Average (SGPA) is calculated by dividing the sum of credit points (ΣCP) secured from all courses registered in a semester, by the total number of credits registered during that semester. SGPA is rounded off to **two** decimal places. SGPA is thus computed as

$$\text{SGPA } (S_i) = \sum (C_i \times G_i) / \sum C_i$$

Where C_i is the number of credits of the ith course and G_i is the grade point scored by the student in the ith course.

10.10 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student in all semesters considered for registration. The CGPA is the ratio of the total credit points secured by a student in **all** registered courses in **all** Semesters, and the total number of credits registered in **all** the semesters. CGPA is rounded off to **two** decimal places. CGPA is thus computed from the I year second semester onwards, at the end of each semester, as per the formula:

$$\text{CGPA} = \sum (C_i \times S_i) / \sum C_i$$

where S_i is the SGPA of the ith semester and C_i is the total number of credits in that sem.

Illustration of calculation of SGPA					Illustration of calculation of CGPA			
Course /Course	Credits	Letter Grade	Grade Points	Credit Points	Sem.	Credits	SGPA	Credits x SGPA
Course 1	4	A	8	4 x 8 = 32	Sem I	19	7	19 x 7= 133
Course 2	3	O	10	3 x 10 = 30	Sem II	19	6	19 x 6= 114
Course 3	3	C	5	3 x 5 = 15	Sem III	21	6.5	21 x 6.5 =136.5
Course 4	3	B	6	3 x 6 = 18	Sem IV	21	6	21 x 6 = 126
Course 5	1.5	A$^+$	9	1.5x9 = 13.5	Sem V	21	7.5	21 x 7.5 =180
Course 6	1.5	A	8	1.5x8 = 12	Sem VI	21	8	21 x 8 = 157.5
Course 7	1.5	B$^+$	7	1.5x7 = 10.5	Sem VII	21	8.5	21 x 8.5 =178.5
Course 8	1.5	A$^+$	9	1.5x9 = 13.5	SemVIII	17	8	17 x 8 = 136
Total	**19**		**62**	**144.5**	**Total**	**160**		**1161.5**
SGPA = 144.5/19 = 7.60					**CGPA = 1161.5/160 = 7.26**			

10.11   For merit ranking or comparison purposes or any other listing, **only** the '**rounded off**' values of the CGPAs will be used.

10.12   For calculations listed in Item 9.6–9.10, performance in failed courses (securing **F** grade) will also be taken into account, and the credits of such courses will also be included in the multiplications and summations. However, mandatory courses will not be taken into consideration.

11.0   PASSING STANDARDS

11.1   A student shall be declared '**successful**' or '**passed**' in a semester, if student secures a GP ≥ 5 ('C' grade or above) in every course in that semester (i.e. when student gets an SGPA >=5.00 at the end of that particular semester); and a student shall be declared '**successful**' or '**passed**' in the entire under graduate programme, only when a student gets a CGPA >=5.00 for the award of the degree as required.

11.2   After the completion of each semester, a   grade card or grade sheet (or transcript) shall be issued to all the registered students of that semester, indicating the letter grades and credits earned. It will show the details of the courses registered (course code, title, no. of credits, grade earned etc.), credits earned, SGPA, and CGPA.

12   DECLARATION OF RESULTS

12.1.Computation of SGPA and CGPA are done using the procedure listed in 9.6 – 9.9.

12.2. For Final percentage of marks equivalent to the computed final CGPA, the following formula may be used:

Percentage of Marks   = (final CGPA – 0.5) x 10

13 AWARD OF DEGREE

13.1   After a student has satisfied the requirement prescribed for the completion of the program and is eligible for the award of B. Tech. degree the student shall be placed in one of the following four classes based on CGPA:

Class Awarded	Grade to be Secured	Remarks
First Class with Distinction	≥ 8 CGPA	From the aggregate marks secured from 160 Credits for Regular Students and 120 Credits for Lateral Entry Students.
First Class	≥ 6.5 to < 8 CGPA	
Second Class	≥ 5.5 to < 6.5 CGPA	
Pass Class	≥ 5.00 to < 5.5 CGPA	
FAIL	CGPA < 5	

13.2. First class with distinction will be awarded to those students who clear all the Courses in single attempt during his / her regular course of study by fulfilling the following conditions:

(i)   Should have passed all the courses in '**first appearance**' within the first 4 academic years (or 8 sequential semesters) for B. Tech. (Regular) and first 3 academic years (or 6 sequential semesters) for B. Tech. (LES) from the date of commencement of first year first semester for B. Tech. (Regular) and II year I semester for B. Tech. (LES).

(ii) Should have secured a CGPA >= 8.00, at the end of each of the 8 sequential semesters (6 sequential semesters for LES), starting from I year I semester (starting from II year I semester for LES) onwards.

(iii) Should not have been detained or prevented from writing the end semester examinations in any semester due to shortage of attendance or any other reason, shall be placed in '**first class with distinction'**.

13.3 **Award of Medals:** Students fulfilling the conditions listed under item 12.2 alone will be eligible for award of '**College Ranks**' and '**Medals**'.

13.4 **Graduation Day:** The College shall have its own Annual Graduation Day for the award of Degrees issued by the University.

13.5 **Transcripts:** After successful completion of prerequisite credits for the award of degree a transcript containing performance of all academic years will be issued as a final record. Duplicate transcripts will also be issued if required after the payment of requisite fee and also as per norms in vogue.

14   WITH HOLDING OF RESULTS

If the student has not paid the fees to the Institute at any stage, or has dues pending due to any reason whatsoever, or if any case of indiscipline is pending, the result of the student may be withheld, and the student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.

15.0 Multiple Entry Multiple Exit Scheme (MEME)

15.1 Exit Option after Second Year:

Students enrolled in the 4-Year B.Tech. program are permitted to exit the program after successful completion of the second year (B.Tech. II Year II Semester). The students who desire to exit after the II year shall formally inform the exit plan one semester in advance i.e. at the commencement of II Year II Semester itself. Such students need to fulfil the additional requirements as specified in Clause 15.2 described below.

Upon fulfilling the requirements like earning all the credits up to II Year II Semester and successfully completing the additional requirements, the students will be awarded a 2-Year Undergraduate (UG) Diploma in the concerned engineering branch.

15.2 Additional Requirements for Diploma Award

To qualify for the diploma under the exit option, students must also complete 2 additional credits through one of the following prescribed pathways:

Work-based Vocational Course:

Participation in a practical, hands-on vocational training program relevant to the engineering field, typically conducted during the summer term.

Internship/Apprenticeship:

Completion of a minimum 8 weeks internship or apprenticeship in their related field to gain practical industry exposure.

In addition, students must clear any associated course(s) and submit the internship / apprenticeship report as per the schedule and guidelines.

15.3 Re-entry into the B.Tech. Program:

Students who have exited the B.Tech. program with a 2-Year UG Diploma may apply for re- entry into the Third Year (Fifth Semester) of the B.Tech. program. Re-entry is permitted to the said program based on the following conditions:

- The student must surrender the awarded UG Diploma Certificate.

- Students who wish to rejoin in III Year must join the same B.Tech. program and same college from which the student exited. Before rejoining, students should check for continuation of the same branch at the college. If the specific branch is closed in that particular college, then student should consult the University for the possible alternative solutions.

- Re-registered students will be governed by the academic regulations in effect at the time of re-entry, regardless of the original regulations under which they were admitted.

- If a student opts to continue his/her studies without a gap after being awarded the diploma, they must register for the third-year courses before the commencement of classwork.

15.4 Break in Study and Maximum Duration

Students are allowed to take a break of up to four years after completion of II Year II Semester with prior University permission through the principal of the college.

Re-entry after such a break is subject to the condition that the student completes all academic requirements within twice the duration of the program (i.e., within 8 years for a 4-year B.Tech. program).

16 TRANSITORY REGULATIONS

a) A student who has discontinued for any reason, or has been detained for want of attendance or lack of required credits as specified, or who has failed after having undergone the degree programme, may be considered eligible for readmission to the same courses (or equivalent courses, as the case may be), and same professional electives / open electives (or from set / category of electives or equivalents suggested, as the case may be) as and when they are offered (within the time-frame of 8 years from the date of commencement of student's first year first semester).

If a student takes readmission into odd semester based on attendance detention, then he/she has to pay full tuition fee for that readmitted year and if he/she takes readmission into even semester then they have to pay 50% of the tuition fee.

b) A student who has failed in any Course under any regulation has to pass those Courses in the respective regulations.

c) If a student is readmitted to HR-26 Regulations and has any course with 80% of syllabus

common with his/her previous regulations, that particular course in HR-26 Regulations will be substituted by an equivalent course of HR-24 regulations by the Institute. All these details are summarized in a set of look-up Table; one set for each B. Tech. branch.

d. Look Up Table of equivalence courses

i. A lookup table will be provided for the benefit of students and Principals. This lookup table will include all the courses to be registered by students who have been re-admitted under the HR-26 Academic Regulations from the HR-24 Academic Regulations. Separate lookup tables will be provided for the following categories of students:

1. Students re-admitted into the I Year II Semester of the HR-25 Regulations
2. Students re-admitted into the II Year I Semester of the HR-25 Regulations
3. Students re-admitted into the II Year II Semester of the HR-25 Regulations
4. Students re-admitted into the III Year I Semester of the HR-25 Regulations
5. Students re-admitted into the III Year II Semester of the HR-25 Regulations
6. Students re-admitted into the IV Year I Semester of the HR-25 Regulations
7. Students re-admitted into the IV Year II Semester of the HR-25 Regulations.

For every B.Tech. branch there shall be separate set of seven lookup tables.

ii. Applicability of Look-up Table: The above look-up table shall be applicable for

   i) students who seek readmission from HR-22 & HR24 regulations to HR-26 regulation and are going to be re-admitted in the same college and

   ii) detained students of one autonomous college who seek admission into another autonomous college.

For these two categories of students, the principal of the autonomous colleges need not consult the University for the equivalence courses. However the Principals need to inform in the specified format, the list of such students and equivalences derived from the transitory regulations.

   iii. These look-Up Tables are not applicable for the students who seek transfer from
      i) other Universities to JNTUH autonomous colleges,
      ii) autonomous to non-autonomous colleges,
      iii) one autonomous to another autonomous colleges and
      iv) non-autonomous to autonomous colleges under JNTUH.

Such students should consult the University regarding equivalent courses, as was in previous practice.

b. The HR-26 Academic Regulations are applicable to a student from the year of re-admission. However, the student is required to complete the study of B.Tech. degree within the stipulated period of eight academic years from the year of first admission.

c. The maximum credits that a student acquires for the award of degree, shall be the sum of the total number of credits secured in all the regulations of his/her study including HR22 and HR24 Regulations. The performance evaluation of the student will be done as per the rules and regulations applicable at the time of admission(s) regarding award of grade and/or class as the case may be.

d. If a student readmitted in ongoing Regulations, has any Course with 80% of syllabus common with his/her previous regulations, that particular Course in Previous Regulations will be substituted by another Course to be suggested by college Academic Committee and approved by the HITAM Academic Council.

e. **Promotion Rule:** Where the credits allotted to a semester/year under the regulations studied in are different from that under HR24 regulations for the corresponding semester/year, the promotion rules of HR24 vide section 7.3 shall be applied after normalization. Normalization is done by scaling down or up the number of credits of a semester/year under the previous regulations to equal the number of credits of the corresponding semester/year under HR26 regulations and revising the secured credits also in the same proportion.

17.   STUDENT TRANSFERS

There shall be transfers from other colleges / streams as per the GO issued by TSCHE/NEP 2020.

18.0.   Value Added Courses

18.1. Faculty members who have received a certificate in Innovation and Entrepreneurship / Entrepreneurship from a reputed foundation/organization may be given preference to teach the "Innovation and Entrepreneurship" course. This certificate course should include an assessment. Total training duration (online or physical), excluding assessment, should be at least 30 hours. Faculty members from all disciplines with innovative mindset and aptitude to co-create an entrepreneurial ecosystem are eligible to teach this Course.

18.2. Faculty members who have credited a course on Intellectual Property Rights in their UG or PG Programme or credited an equivalent course in MOOCs platform/ reputed foundation/ organization in which assessment is a part, may be given preference to teach the elective course on Intellectual Property Rights.

18.3. To ensure quality delivery and standardization in teaching the **Indian Knowledge System (IKS)** and other value-added courses, the following guidelines must be adhered to: i) faculty members must undergo a Faculty Development Program (FDP) organized by UGC-MMTTC.

i) (Malaviya Mission Teacher Training Centre), **or** any other recognized and competent institution/organization offering similar certified programs,

ii) the total instructional duration of the FDP should be a around 32 hours or more,

iii) all sessions in the FDP must be conducted by certified and qualified resource persons with recognized expertise in the respective domains,

iv) A formal assessment component must be included as part of the FDP.

18.4. Mapping with the Sustainable Development Goals

All the courses specified in the course structure of every Programme are mapped with the one or more sustainable development goals.

19. RULES OF DISCIPLINE

19.1. Any attempt by any student to influence the teachers, examiners, faculty members and staff of Controller of Examination office for undue favors in the exams and bribing them either for marks or attendance will be treated as malpractice case and the student can be debarred from the college.

19.2. When the performance of the student in any Course(s) is cancelled as a punishment for indiscipline, student is awarded zero marks in that Course(s).

19.3 When the student's answer book is confiscated for any kind of attempted or suspected malpractice the decision of the Malpractice Prevention Committee is final.

20. MALPRACTICE

20.1 Malpractice Prevention Committee: The committee shall examine the student's malpractice and indiscipline cases occurred, while conducting the examinations and recommend appropriate punishment to the Academic Council after taking explanation from the student and concerned invigilator as per the malpractice rules mentioned below. The committee consists of

a. Chief Controller of Examinations or Principal - Chairman
b. Controller of Examinations - Convener
c. Course Expert - Member
d. Head of the Department of which the student belongs to - Member
e. The Invigilator concerned - Member

20.2 Malpractice Rules: Disciplinary Action for Improper Conduct in Examinations

S. No.	Nature of Malpractices / Improper Conduct	Punishment
1(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the Course of the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the Course of the examination)	Expulsion from the examination hall and cancellation of the performance in that Course only.
1(b)	Gives assistance or guidance or receives it from any other candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that Course only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case is registered against him.

2	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the Course of the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that Course and all other Courses the candidate has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the Courses of that Semester/year. The Hall Ticket of the candidate is to be cancelled and sent to the Principal.
3	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the Courses of the examination (including practical's and project work) already appeared and shall not be allowed to appear for examinations of the remaining Courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all examinations. The continuation of the course by the candidate is Course to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4	Smuggles in the Answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that Course and all the other Courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the Courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all examinations. The continuation of the course by the candidate is Course to the academic regulations in connection with forfeiture of seat.
5	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that Course.
6	Refuses to obey the orders of the Addl. Controller of examinations / any officer on duty or misbehaves or	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in

	creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the addl. Controller of examinations or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the addl. Controller of examinations, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the College campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	that Course and all other Courses the candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the Courses of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that Course and all the other Courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the Courses of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all examinations. The continuation of the course by the candidate is Course to the academic regulations in connection with forfeiture of seat.
8	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that Course and all other Courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the Courses of that semester/year. The candidate is also debarred and forfeits the seat.
9	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges	Student of the college's expulsion from the examination hall and cancellation of the performance in that Course and all other Courses the candidate has already

	in any malpractice or improper conduct mentioned in clause 6 to 8.	appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the Courses of that semester/year. The candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that Course and all other Courses the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the Courses of that semester/year.
11	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that Course and all other Courses the candidate has appeared including practical examinations and project work of that semester/year examinations.
12	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the principal for further action to award suitable punishment.	

C) SCOPE

i) The Academic Regulations should be read as a whole, for the purpose of any interpretation.

ii) The above-mentioned rules and regulations are applicable in general to both B. Tech. (Regular) and B. Tech. (LES), unless and otherwise specific.

iii) In case of any doubt or dispute or discrepancy or an ambiguity in the interpretation of the above rules, the decision of the Academic committee and as approved by the chairman of the Academic Committee is final.

D) AMENDMENTS TO REGULATIONS

In case of any specific requirement as mentioned by University / State Government / Occurrence of Disaster / Direction from BOG / Any other such urgent matter, amendments to the regulations shall be made by the Academic Council.

The Institute may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the dates notified by the Institute.