

ACADEMIC REGULATIONS-2026 (R26)

For

**B.Tech. FOUR YEAR DEGREE COURSE
(Applicable for the batches admitted from 2026-27)**



LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY

An Autonomous Institution

Approved by AICTE & Permanently Affiliated to JNTUGV, Vizianagaram
Accredited by NAAC with 'A Grade' and NBA(Tier-I)-ECE, CSE, EEE & MEC
Jonnada(V), Denkada (Mandal), Vizianagaram-535005, Andhra Pradesh.

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LENDI INSTITUTE OF ENGINEERING & TECHNOLOGY: VIZIANAGRAM
(Autonomous)

Academic Regulations (R26) for B. Tech (Regular-Full time)

(Effective for the students admitted into I year from the Academic Year 2026-27 onwards)

The following academic regulations will be applicable to the students admitted into First Year of B. Tech. (Regular, with Honors/Minors) from the Academic Year 2026-27 under Autonomous system.

- 1. Eligibility for Admission:** Admission to the B. Tech Program shall be made subject to the eligibility, qualifications and specialization prescribed by the A.P. State Government/University from time to time. Admissions shall be made either based on the merit rank obtained by the student in the common entrance examination conducted by the A.P. Government/University or any other order of merit approved by the A.P. Government/University, subject to reservations as prescribed by the Government/University from time to time.
 - a. I Year B. Tech (U.G):** The total seats available as per the AICTE approved intake are grouped into two categories (i.e) Category A and Category B in the ratio of 70:30 as per Andhra Pradesh State Council for Higher Education (APSCHE) in consonance with government reservation policy.
 - Under Category A: **70%** of the seats are filled through EAPCET counseling.
 - Under Category B: **30%** seats are filled based on 10+2 merits in compliance with guidelines of APSCHE.
 - b. II Year B. Tech (U.G):** Under Lateral Entry Scheme students with Diploma/B.Sc qualification have an option of direct admission into 2nd year B.Tech. (Lateral Entry Scheme). Under this scheme 10% seats of sanctioned intake will be available in each course as supernumerary seats as per Andhra Pradesh State Council for Higher Education (APSCHE). Admissions to this three-year B.Tech Lateral Entry Programme take place through ECET as per government policy.
- 2. Duration of the Programme:**
 - a. B. Tech (U.G):** The course duration for the award of the Degree in Bachelor of Technology will be 4 academic years, with two semesters in each year. However, if a student is unable to complete the course within 4 years, he/she can do so by giving more attempts but within 8 consecutive academic years from the date of admission.
 - b. B. Tech (U.G) Under Lateral Entry:** The course duration for the award of the Degree in Bachelor of Technology will be 3 academic years, with two semesters in each year. However, if a student is unable to complete the course within 3 years, he/she can do so by giving more attempts but within 6 consecutive academic years from the date of admission.
- 3. Medium of Instruction:** The medium of instruction of the entire B. Tech undergraduate programme in Engineering & Technology (including examinations and project reports) will be in English only.

4. Program related terms

Credit: A unit by which the course work is measured. It determines the number of hours of instruction required per week. One credit is equivalent to one hour of teaching (Lecture/Tutorial) or two hours of practical work/field work per week.

Credit definition:

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

- a) **Academic Year:** Two consecutive (one odd + one even) semesters constitute one academic year.
- b) **Choice Based Credit System (CBCS):** The CBCS provides a choice for students to select from the prescribed courses.

5. Programme Pattern:

- a. Total duration of the of B. Tech (Regular) Programme is four academic years.
- b. Each Academic year of study is divided in to **two semesters**.
- c. Minimum number of instruction days in each semester is 90.
- d. Grade points, based on percentage of marks awarded for each course will form the basis for calculation of SGPA (Semester Grade Point Average) and CGPA (Cumulative Grade Point Average).
- e. The total credits for the Programme is 160.
- f. There shall be mandatory student induction program for freshers, with a two/three-week duration before the commencement of first semester. Physical activity, Creative Arts, Universal Human Values, Literary, Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations etc., are included as per the guidelines issued by AICTE.
- g. Student is introduced to “Choice Based Credit System (CBCS)”.
- h. A student has to register for all courses in a semester.
- i. All the registered credits will be considered for the calculation of final CGPA.
- j. Each semester has “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 course structure as suggested by AICTE are followed.
- k. Health/wellness/yoga/sports and NSS/scouts and guide/Community service activities are made mandatory as credit courses for all the Under Graduate students.
- l. Courses like Environmental Sciences, Indian Constitution are offered as non-credit mandatory courses for all the undergraduate students.
- m. Design thinking for innovation & Tinkering Labs are made mandatory as credit courses for all the under graduate students.
- n. Increased flexibility for students through an increase in the elective component of the curriculum, with 05 Professional Elective courses and 04 Open Elective courses.

- o. Professional Elective Courses, include the elective courses relevant to the chosen specialization/branch. Proper choice of professional elective courses can lead to students specializing in emerging areas within the chosen field of study.
- p. A total of 04 Open Electives is offered in the curriculum. While choosing the electives, students shall ensure that they do not opt for the courses with syllabus contents similar to courses already pursued.
- q. A pool of interdisciplinary/job-oriented/domain skill courses which are relevant to the industry are integrated into the curriculum of all disciplines. There shall be 05 skill-oriented courses offered during III to VII semesters. Among the five skill courses, four courses shall focus on the basic and advanced skills related to the domain/interdisciplinary courses and the other shall be a soft skills course (Career Skills/ Workplace English).
- r. Students shall undergo mandatory summer internships through online or offline at industry, for a minimum of eight weeks duration at the end of second and third year of the programme. The internship at the end of second year shall be community oriented and industry internship at the end of third year.
- s. There shall also be mandatory full internship in the final semester of the programme along with the project work through online or offline at industry.
- t. Undergraduate degree with Honors is introduced by the Institution for the students having good academic record.
- u. Each college shall take measures to implement **Virtual Labs** (<https://www.vlab.co.in>) which provide remote access to labs in various disciplines of Engineering and will help student in learning basic and advanced concept through remote experimentation. Student shall be made to work on virtual lab experiments during the regular labs.
- v. The Head of the department shall assign a faculty advisor/mentor after admission to a group of students from same department to provide guidance in courses registration/career growth/placements/opportunities for higher studies/GATE/other competitive exams etc.
- w. Preferably 25% of course work for the theory courses in every semester shall be conducted in the blended mode of learning.

6. Award of the Degree

(a) Award of the B.Tech. Degree:

A student will be declared eligible for the award of the B.Tech. degree if he/she fulfils the following:

- (i) Pursues a course of study for not less than four academic years and not more than eight academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted for graduation (Eight years).
- (ii) Registers for 160 credits and secures all 160 credits.

(b) Award of B.Tech. degree with Honors

A student will be declared eligible for the award of the B.Tech. with Honors if he/she fulfils the following:

- (i) Student secures additional 18 credits fulfilling all the requisites of a B.Tech. program i.e., 160 credits.
- (ii) Registering for Honors is optional.
- (iii) Honor's is to be completed simultaneously with B.Tech. programme.

(c) Award of B.Tech. degree with Minors

A student will be declared eligible for the award of the B.Tech. with Minors if he/she fulfils the following:

- (i) Student secures additional 18 credits from other branches/discipline fulfilling all the requisites of a B.Tech. program i.e., 160 credits.
 - (ii) Registering for Minors is optional.
 - (iii) Minor's is to be completed simultaneously with B.Tech. programme.
7. Students, who fail to fulfil all the academic requirements for the award of the degree within eight academic years from the year of their admission, shall forfeit their seat in B.Tech. course and their admission stands cancelled. This clause shall be read along with clause 6 a) i).
8. **Courses of Study:**
The following courses of study are offered at present as specializations for the B.Tech. Courses with English as medium of Instruction.

S. No.	Branch	Branch Code
01	Electrical and Electronics Engineering	EEE
02	Mechanical Engineering	MEC
03	Electronics and Communication Engineering	ECE
04	Computer Science and Engineering	CSE
05	Computer Science and Systems Engineering	CSS
06	Computer Science and Information Technology	CIT
07	Computer Science and Engineering (Artificial Intelligence and Machine Learning)	CSM

9. Structure of the Undergraduate Programme

All courses offered for the undergraduate program (B. Tech.) are broadly classified as follows:

S.No.	Category	Breakup of Credits (Total 160)	Percentage of total credits	AICTE Recommendation (%)
1.	Humanities and Social Science including Management (HM)	13	8.1 %	8 – 9%
2.	Basic Science Courses (BS)	20	12.5 %	12 - 16%
3.	Engineering Science Courses (ES)	20	12.5%	10 – 18%
4.	Professional Core Courses (PC)	54	33.8 %	30 – 36%
5.	Professional Elective Courses (PE)	15	23 %	19 - 23%
6.	Open Elective Courses (OE)	12		
7.	Skill Oriented Courses (SC)	10		
8.	Project (PR)	10	10 %	8 – 11%
9.	Internships (IN)	6		
10.	Mandatory Courses (MC)	Non-credit	Non-credit	-

10. Course Classification:

All subjects/ courses offered for the undergraduate programme in Engineering & Technology (B.Tech. degree programme) are broadly classified as follows:

S.No.	Broad Course Classification	Course Category	Description
1.	Foundation Core Courses	Humanities and Social Science including Management (HM), Basic Sciences (BS), Engineering Sciences (ES)	Includes Mathematics, Physics and Chemistry; fundamental engineering courses; humanities, social sciences and management courses
2.	Core Courses	Professional Core Courses (PC)	Includes subjects related to the parent discipline/department/branch of Engineering
3.	Elective Courses	Professional Elective Courses (PE)	Includes elective subjects related to the parent discipline/department/ branch of Engineering
		Open Elective Courses (OE)	Elective subjects which include interdisciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering
		Skill Oriented courses (SC)	interdisciplinary/job-oriented/domain courses which are relevant to the industry
4.	Project & Internships	Project	B.Tech. Project or Major Project
		Internships	Summer Internships – Community based and Industry Internships; Industry oriented Full Semester Internship
5.	Audit Courses	Mandatory non-credit courses	Covering subjects of developing desired attitude among the learners

11. Method of Evaluation & Distribution and Weightage of Marks: The Outcome Based Curriculum Structure consists of courses of study viz. Theory, Practical, Drawing, socially relevant projects, Project, Mandatory courses, Skill oriented courses, MOOCs, Summer Internships. Under Choice Based Credit System (CBCS), the students also have the flexibility to choose one elective from the list of open electives offered by other branches of engineering technology in consultation with their respective departments.

S. No.	Course	Marks for Assessment		Total Marks
		Internal	Semester End	
1	Theory Course	40	60	100
2	Laboratory	40	60	100
3	Integrated Courses (Theory + Lab)	50	50	100
4	Engineering Graphics Course	40	60	100
5	Elective Courses	40	60	100
6	Mandatory Courses	40	-	40
7	Skill Oriented Courses	40	60	100
8	Internships	40	60	100
9	Project Work	80	120	200

- a. Theory Courses:** The performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks for theory subject. The distribution shall be 40 marks for Continuous Internal Assessment and 60 marks for the Semester End - Examinations.

(i) Continuous Internal Assessment:

Two descriptive examinations shall be conducted during the semester for theory courses.

- i. **Descriptive exam:** As the syllabus is framed for 5 units, the 1st and 2nd mid examinations (descriptive exam) are conducted on each cycle (i.e) 1-2½ units and 2½ -5 units respectively for each subject in a semester. Descriptive examination shall be conducted for 30 marks in each cycle. Descriptive paper shall contain 3 either or type questions and each question carry 10 marks. The marks obtained in the subjective paper are condensed to 15 marks in each cycle. Any fraction shall be rounded off to the next higher mark.
- ii. **Assignment Test:** Assignment Test shall be in the form of problems, mini projects, design problems, slip tests, quizzes etc., depending on the course content. It should be continuous assessment throughout the semester and the average marks shall be considered. The weightage of Assignments is 10 marks in each semester for each theory subjects.
- iii. The final mid-semester marks (out of 40) shall be arrived at by considering the marks secured by the student in the First Descriptive Test (15 marks), Second Descriptive Test (15 marks), and Assignment (10 marks).

(ii) Semester End -Evaluation:

- i. The Semester-End Examination shall be conducted for 60 marks, covering all the units of the syllabus. The question paper shall consist of Part-A five short answer questions and Part-B five long answer questions with internal choice.
- ii. Part-A shall consist of compulsory five short-answer questions, each carrying 2 marks, with one question drawn from each course outcome/unit, for a total of 10 marks.
- iii. Part-B five questions shall carry 10 marks each and shall be drawn from the respective Course Outcomes/Units, accounting for a total of 50 marks.

- b. Practical/Workshop Courses:** The performance of a student in each semester shall be evaluated subject-wise with a maximum of 100 marks for practical subject. For practical subjects there shall be continuous evaluation during the semester for 40 internal marks and 60 end examination marks.

- (i) **Internal Evaluation:** The internal 40 marks shall be awarded as follows: day to day work - 20 marks by the concerned laboratory teacher based on the regularity/record/viva, and the remaining 20 marks to be awarded by conducting an internal laboratory test.
- (ii) **External Evaluation:** The end examination shall be conducted for 60 marks by the teacher concerned and an external examiner nominated by the Controller of Examinations (CoE). The 60 marks for end examination shall be award for write up 10

marks, Experiment/Program 20 marks, Evaluation of Results 20 marks, Viva voce: 10 marks.

- c. **Integrated Course (Theory + Lab):** The courses may permit to offer in the form of integrated course (Theory +Lab) by the approval of BOS. Integrated Theory–Laboratory courses are designed to provide students with both conceptual understanding and practical skills through continuous and end-semester evaluations. The assessment comprises 100 marks, distributed equally between the Theory and Laboratory components.

Table 1: Evaluation Procedure for Integrated Course

Continuous Internal Assessment (CIA)					End semester Examination	
Descriptive exams, Assignment			Practical/ Laboratory exam		Theory Exam	Practical Exam
Descriptive Exam-I	Descriptive Exam-II	Assignment	Day to Day, Record/Viva	Internal Test	50 Marks	50 Marks
10 Marks	10 Marks	5 Marks	15 Marks	10 Marks		
25 Marks			25 Marks		25 Marks	25 Marks
50 Marks					50 Marks	
100 Marks						

(i) Continuous Internal Assessment – 50 Marks

- Evaluation Scheme for Integrated Theory–Laboratory (practical) Courses: The integrated course shall be evaluated for a total of 100 marks, comprising 50 marks for Continuous Internal Assessment (CIA) and 50 marks for the End Semester Examination (ESE).
- The CIA includes 25 marks for Theory and 25 marks for Laboratory. (Mid-I: 10M, Mid-II: 10M, Assignment Test: 05M) and Laboratory internal assessment for 25 marks (Day-to-Day Performance, Record/Viva: 15, Internal Practical Examination: 10).
- **The descriptive examination and internal laboratory evaluation followed as mentioned in above (a) (i) and (b) (i).**

(ii) End Semester-Evaluation (ESE):

- The End Semester Examination comprises 25 marks for Theory and 25 marks for Laboratory.
- The Theory examination is conducted for 50marks, the question paper contains 5 Questions with internal choice. A student should be answered all Questions and each carrying 10 marks.
- while the Practical examination is also conducted for 50 marks and includes write up 10 marks, Experiment/Program 20 marks, Evaluation of Results 10 marks, Viva voce: 10 marks.
- The marks obtained in both examinations are proportionately converted to 25 marks each. The final result is computed by aggregating the CIA (50 marks) and ESE (50 marks), and a student must secure the minimum prescribed passing marks separately in

both the Theory and practical components to pass the integrated course.

- Students shall pass both the Theory and Laboratory components separately. Failure in either component shall be treated as failure in the entire integrated course, and the student shall be required to reappear for both the Theory and Laboratory examinations during the subsequent examination.
- **Revaluation Process (Integrated Course):** Revaluation shall be permitted only when the student has failed in the theory component but passed in the practical component. In such a case, the student may apply for revaluation of the theory component only. If the student fails in the practical component, or fails in both components, revaluation shall not be permitted.

d. Engineering Graphics Course: For the subject **Engineering Graphics** estimation, the distribution shall be 40 marks for internal evaluation and 60 marks for end examination.

(i) Internal Evaluation: Day-to-day work shall be evaluated for 10 marks by the concerned subject teacher based on the reports/submissions prepared in the class. And there shall be two midterm examinations in a semester for duration of 90 Minutes each for 30 marks and scaling to each 15 marks. The subjective paper shall contain 3 either or type questions of equal weightage of 10 marks. The sum of day-to-day evaluation and each mid semester marks will be the final sessional marks for the subject.

(ii) Semester End -Evaluation:

- a. The end semester examination is conducted covering the topics of all Units for 60 marks.
- b. The question paper contains 5 Questions with internal choice. A student should be answered all Questions and each carrying 12 marks.

e. Mandatory Courses: Mandatory courses are among the compulsory courses and do not carry any credits. There shall be no external examination for mandatory courses with zero credits. However, attendance shall be considered while calculating aggregate attendance and student shall be declared to have passed the mandatory course only when he/she secures 40% or more in the internal examinations.

- i. All the students (regular and lateral entry students) shall complete the mandatory courses similar to other regular courses.
- ii. The weightage of Mandatory Courses for 40 Marks consists of each Descriptive–15 Marks, Assignment test-10 Marks.
- iii. Two descriptive examinations shall be conducted during the semester for theory subjects.
- iv. As the syllabus is framed for 5 units, the 1st and 2nd mid examinations (Descriptive exam) are conducted on 1-2½ units and 2½ -5 units respectively for each subject in a semester. The mid examination (Descriptive exam) question paper shall contain 3 questions and all questions need to be answered in 90 minutes duration for 30 marks. Further, each mid examination marks shall be scale down to 15 marks.
- v. Assignment Test: The weightage of Assignment Test is 10 marks during each unit in the semester for each theory subjects.
- vi. The Descriptive examination conducted for 30, Assignments 10 marks are to be added for

finalizing internal marks in each mid exam.

- vii. The results will be indicated with “Satisfactory” and it will not be accounted for the calculation of CGPA.
- viii. Student shall be declared to have passed the Mandatory Courses only when he/she secures 40% or more in the final marks. In case, the student fails, a re-examination on descriptive shall be conducted for failed candidates every six months/semester at a mutually convenient date of the college/students.

f. Skill Oriented Courses

- i. There shall be five skill-oriented courses offered during III to VII semesters.
- ii. Out of the five skill courses, two must be skill-oriented courses within the same domain. The remaining three courses must include one soft skill course and two skill-advanced courses, which can be from the same domain/ interdisciplinary/ job-oriented.
- iii. The Skill Course shall carry 100 marks and shall be evaluated through Continuous Internal Evaluation (40 marks) and End Semester Examination (60 marks). The 40 internal marks shall be awarded by the course instructor based on the student's day-to-day performance, record maintenance, and internal test. The End Semester Examination (60 marks) shall be based on the skills acquired by the student through the development and demonstration of a micro project related to the Skill Course domain. The external evaluation shall be distributed as follows: Quality and Creativity of the Work: 20 Marks, Report Submission: 20 Marks and Presentation and Viva-Voce: 20 Marks.
- iv. The Head of the Department shall identify a faculty member as coordinator for the course. A committee consisting of the Head of the Department, coordinator and an external Faculty member nominated by the chief controller of examinations shall monitor the end examination evaluation process. The marks shall be assigned to the students by the above committee based on their performance.
- v. The student shall be given an option to choose either the skill courses being offered by the college or to choose a certificate course being offered by industries/Professional bodies or any other accredited bodies. If a student chooses to take a Certificate Course offered by external agencies, the credits shall be awarded to the student upon producing the Course Completion Certificate from the agency. A committee shall be formed at the level of the college to evaluate the marks given for a course by external agencies and convert to the equivalent marks.
- vi. The recommended courses offered by external agencies, conversions and appropriate marks are to be approved by the principal at the beginning of the semester.
- vii. If a student prefers to take a certificate course offered by external agency, the department shall mark attendance of the student for the remaining courses in that semester excluding the skill course in all the calculations of mandatory attendance requirements upon producing a valid certificate as approved by the principal.

- g. Workplace English/Career Skills (SC):** The assessment for these courses is designed to evaluate students' communication competence, employability skills, and interview readiness through a combination of Continuous Internal Assessment 40 Marks and 60 marks for the Semester End -Examinations.

Continuous Internal Assessment - 40 Marks

The Continuous Internal Assessment shall consist of the following components:

Component	Description	Marks
Grammar & Vocabulary	Computer-Based Quizzes, Vocabulary and Grammar Tests	10
Writing Skills	Resume, Cover Letter, Statement of Purpose (SOP), Personal Inquisitive Questions (PIQs), Report Writing and other professional writing tasks	10
Employability Skills	Group Discussions, Interview Readiness Activities, Soft Skills Activities, Case Studies, Presentation of Visume, JAM and other experiential learning tasks	20
	Total	40

End Semester Examination - 60 Marks

Component	Marks
Campus Interview-based Written Assessment	10
Group Discussion	10
Personal Interview ("Tell Me About Yourself" and HR Interaction)	15
JAM / Face-to-Face Communication	20
Professional Appearance, Confidence and Communication Skills	5
Total	60

h. Health& Wellness, Yoga & Sports / NSS, NCC, Scouts & Guides/ Community Service:

- Institutes must assign slots in the Timetable for the activities.
- Institutes are required to provide instructor to mentor the students.
- Evaluated for a total of 100 marks.
- A student can select 6 activities of his/her choice with a minimum of 01 activity per unit. Each activity shall be evaluated by the concerned teacher for 15 marks, totaling to 90 marks.
- A student shall be evaluated by the concerned teacher for 10 marks by conducting viva voce on the subject.

- i. Universal Human Values: Understanding Harmony and Ethical Human Conduct:** The performance of a student on this course shall be evaluated with a maximum of 100 marks. The distribution shall be 40 marks for Internal Evaluation and 60 marks for the Semester End - Examinations.

(i) Internal Evaluation:

- The weightage of Internal marks for 40 consists of day-to-day performance (10 marks), project report on case study (10 marks) and presentation including viva (20 marks).
- There are no midterm examinations for this course.

(ii) Semester End -Evaluation:

- i. The end semester examination is conducted covering the topics of all Units for 60 marks. And the question paper contains 5 Questions with internal choice.
- ii. The question paper contains 5 Questions with internal choice. A student should be answered all Questions and each carrying 12 marks.
- iii. The questions should be focused on different case studies/situations/issues. The expected answers to the questions on their interpretations and how the student addressing issues.

j. Massive Open Online Courses (MOOCs):

- i. The Institute adopts the Blended Learning model in accordance with the recommendations of the National Education Policy (NEP) 2020 and the University Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulations, 2016. Under these regulations, students are encouraged to supplement their regular curriculum by pursuing Massive Open Online Courses (MOOCs) offered through SWAYAM/NPTEL and other online learning platforms approved by the Institute Academic Council. The credit transfer for MOOCs up to a maximum of 30% of the Elective or Skill courses being offered in a particular programme.
- ii. Every B. Tech student shall compulsorily **complete at least one MOOCs** approved by the Board of Studies (BoS) during the programme. Students are encouraged to register for SWAYAM/NPTEL courses from the first year to the final year. Registration for MOOCs shall be made only with the prior approval of the Head of the Department (HoD), who shall ensure that the selected course is relevant to the programme curriculum. Students may enroll in 4-week, 8-week, or 12-week online certification courses. Based on the recommendations of SWAYAM/ NPTEL, the minimum credits awarded shall be 1 credits for a 4-week (16-hour) course, 2 credits for an 8-week (32-hour) course, and 3 credits for a 12-week (48-hour) course.
- iii. Students are permitted to register for MOOC courses up to one year or one semester in advance and complete them accordingly. However, the student must submit the course completion certificate during the examinations of the semester for which he/she is claiming the corresponding semester subject. (i.e Elective or Skill), as completed through the MOOCs course. The course completion certificate shall be submitted within the prescribed time for considering of the MOOCs course for that semester.
- iv. To facilitate effective learning, the Head of the Department shall appoint a faculty mentor to guide and monitor the student's progress throughout the course. Students shall complete all course requirements, including assignments and the proctored certification examination, and obtain the official certificate issued by the MOOC provider. The examination fee, if any, shall be borne by the student. Credits shall be awarded only upon successful completion of the course and submission of the valid certificate indicating the percentage of marks and grade obtained.
- v. Students who successfully qualify in the proctored examinations conducted by approved MOOC platforms shall be eligible to apply for credit transfer in accordance with the Institute regulations. On approval of credit transfer, such students shall be exempted from appearing for the corresponding internal and end-semester examinations conducted by the Institution for the equivalent course. The Institution shall ensure appropriate credit mobility by awarding equivalent credit weightage for the credits earned through approved online learning courses.

- vi. Students shall be permitted to register only for MOOCs offered through online platforms approved by the Institution from time to time. The Institution reserves the right to amend these regulations in accordance with the latest guidelines issued by UGC, AICTE, JNTUGV, or any other competent statutory authority.
- vii. **Unsuccessful Students:** If a student fails in MOOCs course and the same or an equivalent course is not available in the current curriculum, the BOS shall identify and notify a list of approved alternative MOOCs courses. That the student may complete as a supplementary course. The student shall complete one of the courses from the approved list and submit the course completion certificate of the consideration of the failed MOOC course.
- viii. The Institute shall resolve any issues that may arise in the implementation of this policy from time to time and shall review its credit transfer policy in the light of periodic changes brought by JNTUGV and state government.

k. Mandatory Internships and Project Work:

(i) Internships:

- a. Three internships either onsite or virtual each with a minimum of 08 weeks duration, done at the end of second and third year, final year second semester respectively are mandatory.
- b. It shall be completed in collaboration with local industries, Govt. Organizations, construction agencies, Hydel and thermal power projects, software MNCs or any industries in the areas of concerned specialization of the Undergraduate program.
- c. One of the three internships shall be society oriented and shall be completed in collaboration with government organizations/NGOs& others.
- d. The other two internship at the end of third year and final year second semester are Industry Internship and shall be completed in collaboration with Industries.
- e. The student shall register for the internship as per course structure after commencement of academic year.
- f. Evaluation of the internships shall be through the departmental committee.
- g. A student will be required to submit a internship report to the concerned department and appear for an oral presentation before the departmental committee comprising of Head of the Department, supervisor of the internship and a senior faculty member of the department.
- h. A certificate of successful completion from industry shall be included in the report.
- i. The Continuous Internal Evaluation (CIE) The Internal Evaluation shall carry 40 marks and shall comprise 20 marks for the Internship Report Submission and 20 marks for the Internal Presentation. The evaluation shall be based on the student's progress, performance during the internship, quality of the report, and presentation.
- j. The End Semester Evaluation (ESE) The External Evaluation shall carry 60 marks and shall be based on the internship demonstration (where applicable), viva-voce/oral presentation, and evaluation by the External Examiner appointed by the Chief Controller of examiner.
- k. A student shall secure minimum 40% of marks (CIE+ESE) for successful completion. In case, if a student fails, he/she shall reappear as and when semester supplementary

examinations are conducted by the institution.

(ii) Project Work:

- a. The project report shall be evaluated with an external examiner. The total marks for project work 200 marks and distribution shall be 80 marks for internal and 120 marks for external evaluation.
- b. The Continuous Internal Evaluation (CIE) for the Project Work shall carry 80 marks, comprising 20 marks for the Project Report and 60 marks for three project reviews, with 20 marks allotted to each review.
- c. The three project reviews shall be conducted by a Department Project Review Committee constituted by the Head of the Department. The Committee shall evaluate the progress of the project, technical knowledge, implementation, presentation, documentation, and achievement of the project objectives during each review.
- d. The external evaluation of Project Work is a Viva-Voce Examination conducted in the presence of internal examiner and external examiner appointed by the Institution head and is evaluated for 120 marks

l. Design Thinking and Innovation/ Design Thinking: This course shall be evaluated with a maximum of 100 marks.

(a) Internal Evaluation (40 Marks): The internal 40 marks shall be awarded as follows:

- i. 20 Marks for Day-to-Day Activity, based on engagement and contribution to discussions and activities.
- ii. 20 Marks for Report Submission, based on the quality of documentation, reflection on the design process, and insights drawn through the various stages of design thinking (empathy, ideation, prototyping, testing).

(b) External Evaluation (60 Marks): The end examination shall be conducted for 60 marks by the teacher concerned and an external examiner nominated by the Controller of Examinations (CoE). The external 60 marks shall be awarded as follows:

- i. 20 Marks for Presentation, based on problem analysis, presentation skills, creativity in the solution, and the ability to respond to questions.
- ii. 20 Marks for Review, based on problem identification, ideation quality, prototype functionality, and creativity.
- iii. 20 Marks for Viva, based on how students implement the design thinking process to develop a solution, as well as creativity, design process, innovation quality, feasibility, and articulation.

m. Re-Mid Examination Guidelines: A student who is absent from a Mid-Semester Examination due to health issues or other genuine, unavoidable circumstances may be permitted to appear for a Re-Mid Examination. The student shall submit a written application, along with valid supporting documentary evidence (such as a medical certificate or other relevant proof), to the departmental committee within one week of the missed exam. The committee, constituted by the Head of the Department, shall verify the request and forward its recommendations to the Chief Controller of Examinations for onward submission to the university. The Re-Mid Examination shall be conducted only after receiving approval from the university. The Controller of Examinations shall

prepare a separate question paper for the Re-Mid Examination to ensure confidentiality and fairness. The marks obtained in the Re-Mid Examination shall replace the missed Mid-Semester Examination marks.

n. Pass criteria:

- i. The students earned the credits allotted to the course (theory, practical, integrated, drawing, skill, internship and project) by securing not less than 40% of marks in the end semester examination, and minimum 40% of marks in the sum total of the internal marks and end semester examination marks.
- ii. The supplementary examination will be conducted for semester end examination if any student failed to fulfil the above requirements. However, there is no supplementary examination shall be conducted for internal examinations.

12. Academic Bank of Credits (ABC): The Institution shall foresee implementation of Academic Bank of Credits (ABC) to promote flexibility in curriculum as per NEP 2020 to

- i. provide option of mobility for learners across the universities of their choice
- ii. provide option to gain the credits through MOOCs from approved digital platforms.
- iii. facilitate award of certificate/diploma/degree in line with the accumulated credits in ABC
- iv. execute Multiple Entry and Exit system with credit count, credit transfer and credit acceptance from students' account.

13. Guidelines for offering a B. Tech with Minor Degree: The objective of introducing B.Tech.(Minors) is to facilitate the students to choose additionally the specialized courses of their choice and build their competence in any other discipline other than the discipline in which student got admitted in the UG level. This way undergraduates are not restricted to learn about courses only in the discipline they get admitted to, but can choose courses of their interest to later on take up a career path of their liking.

i. Applicability and Enrolment:

- (a) To all B. Tech (Regular and Lateral Entry) students admitted (under R26 regulations) in Engineering & Technology with **CGPA of 7.5 up to III Semester, without any backlogs and backlog history.**
- (b) It may be noted that both regular degree and Minor degree are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students, without any backlog history.
- (c) There shall be no limit on the number of programs offered under Minor. The minor programs in emerging technologies are based on expertise in the respective departments and may also be offered in collaboration with the relevant industries/ agencies.
- (d) If a minimum enrolments criterion is not met, then the students may be permitted to register for the equivalent MOOC courses as approved by the concerned Head of the department in consultation with BoS.
- (e) The department offering the Minors will announce courses required before the start of the session.
- (f) The interested students shall apply for the Minors course to the HOD of the concerned department.

- (g) The whole process should be completed within one week before the start of every session.
- (h) Selected students shall be permitted to register the courses for Minors degree.
- (i) If the student wishes to withdraw/ change the registration of subject/course, he/she shall inform the same to HODs within two weeks after registration of the course.
- (j) There is no fee for registration of subjects for minor degree programme offered in offline.
- (k) For applicability of Minors degree, both regular B Tech and Minors degree courses shall be successfully completed.
- (l) Transfer of credits from a particular minor to regular B. Tech degree and vice-versa shall not be permitted

ii. Entry level

- (a) The B.Tech students (both Regular and Lateral Entry) pursuing a major degree programme can register for minor at their choice in any other department offering minor degree from IV semester onwards.
- (b) Students registering for Minor degree shall select the subjects from other branches/department based on the recommendations of BOS committee. For example, if a student pursuing major degree in Electrical & Electronics Engineering, select subjects specified for minor in Computer Science and Engineering and he/she will get major degree in Electrical & Electronics Engineering with minor of Computer Science and Engineering
- (c) Students shall be permitted to select **a maximum of two subjects per semester** from the list of subjects specified for Minor.
- (d) The students shall complete **Minor degree without supplementary appearance** within stipulated period as notified by the college for the completion of regular major B. Tech programme.
- (e) Minor degree shall not be awarded at any circumstances **without completing the regular major B. Tech programme** in which a student got admitted
- (f) If a student is detained due to **lack of attendance, he/she shall not be permitted to register the courses for Minor degree**

iii. Structure of Minors in B. Tech:

- (a) A student has to acquire 18 more credits, in addition to 160 credits required, for the award of the minor by fulfilling at least THREE credits must be earned from NPTEL/SWAYAM MOOC Course and the remaining 15 credits by doing FIVE Theory/Integrated courses of 03 credits each (or) Four Theory courses of 03 credits each along with 2 Laboratory Courses of each 1.5 Credits either through MOOCS/Regular.
- (b) Students can complete Minor courses either in the college or online from platforms like NPTEL/SWAYAM etc.
- (c) The overall attendance in each semester of regular B. Tech courses and Minor courses shall be computed separately
- (d) Student having less than 65% attendance in Minor courses shall not be permitted for "Minors Course(s) semester end examinations".
- (e) A student detained due to lack of attendance in regular B. Tech programme shall not be permitted to continue Minors degree.

- (f) The teaching, examinations (internal and external) and evaluation procedure of Minors courses offered in offline is similar to regular B. Tech courses
- (g) Students may choose theory or practical courses to fulfill the minimum credit requirement.
- (h) Students shall be allowed to take maximum two subjects per semester pertaining to their Honors degree other than lab courses
- (i) The students registered for minor shall not be permitted to register for B. Tech (Honors)

iv. Credits Requirement:

- (a) A Student will be eligible to get B. Tech with Minors, if he/she completes an additional 18 credits. These may be acquired either in offline or online like NPTEL/SWAYAM by doing 4/8/12 week courses covering 1/2/3 credits.
- (b) The colleges offering Minor courses shall be teach the courses in offline in the concerned departments. Curriculum and the syllabus of the courses shall be approved by the Board of Studies
- (c) Students shall produce a certificate issued by the NPTEL/SWAYAM as a proof of credit attainment.
- (d) The teaching and evaluation procedure of Minors courses offering in offline mode shall be similar to that of regular B. Tech courses
- (e) After successful completion of all major and Minors degree courses with specified CGPA will award B. Tech with Minors

v. Evaluation:

- (a) The examination for the Minors courses offered in offline shall be conducted along with regular B. Tech programme.
- (b) The examinations (internal and external) and evaluation procedure of Minors courses offered in offline is similar to regular B. Tech courses.
- (c) It may be noted that both major and Minors courses (from IV Sem to VII Sem) are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students.
- (d) There is no supplementary examination for the failed subjects in Minor courses.
- (e) For awarding the class, CGPA obtained in Major Degree only will be considered.
- (f) For awarding the Minors', obtained credits only will be considered.

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

i. Applicability and Enrolment:

- (a) To all B. Tech (Regular and Lateral Entry) students admitted (under R26 regulations) in Engineering & Technology with **CGPA of 7.5 up to III Semester, without any backlogs and backlog history.**
- (b) It may be noted that both regular degree and Honors degree are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students, without any backlog

history.

- (c) The department offering the Honors will announce courses required before the start of the session.
- (d) The interested students shall apply for the Honors course to the HOD of the concerned department.
- (e) The whole process should be completed within one week before the start of every session.
- (f) Selected students shall be permitted to register the courses for Honors degree.
- (g) If the student wishes to withdraw/ change the registration of subject/course, he/she shall inform the same to HODs within two weeks after registration of the course.
- (h) There is no fee for registration of subjects for honor degree programme offered in offline.
- (i) For applicability of Honors degree, both regular B Tech and Honors degree courses shall be successfully completed.
- (j) Transfer of credits from a particular honor to regular B. Tech degree and vice-versa shall not be permitted

ii. Entry level

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

iii. Structure of Honors in B. Tech:

- (a) The student shall earn additional 18 credits for award of Honors degree from same branch/department/allied (as mentioned in AICTE Handbook) registered for major degree. Out of the 18 extra credits required to obtain the Honors degree, at least SIX Credits (i.e., two courses of 3 credits each) must be earned from NPTEL/SWAYAM MOOC Courses and

12 credits (i.e., four courses of 3 credits each) from advanced courses in the concerned department/discipline.

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

iv. Credits Requirement:

- (a) A Student will be eligible to get B. Tech (Honors), if he/she completes an additional 18 credits. These may be acquired either in offline or online like NPTEL/SWAYAM by doing 4/8/12 week courses covering 1/2/3 credits.
- (b) The colleges offering Honors degree courses shall be teach the courses in offline in the concerned departments. Curriculum and the syllabus of the courses shall be approved by the Board of Studies
- (c) Students shall produce a certificate issued by the NPTEL/SWAYAM etc., conducting agency as a proof of credit attainment.
- (d) The teaching and evaluation procedure of Honors courses offering in offline mode shall be similar to that of regular B. Tech courses
- (e) After successful completion of all major and Honors degree courses with specified CGPA will award B. Tech (Honors)

v. Evaluation:

- (a) The examination for the Honors degree courses offered in offline shall be conducted along with regular B. Tech programme.
- (b) The examinations (internal and external) and evaluation procedure of Honors degree courses offered in offline is similar to regular B. Tech courses.
- (c) It may be noted that both major and Honors courses (from IV Sem to VII Sem) are to be completed in 4 Years for Regular students and 3 Years for lateral entry admitted students.
- (d) There is no supplementary examination for the failed subjects in an Honors degree programme.
- (e) For awarding the class, CGPA obtained in Major Degree only will be considered. For awarding the Honor's, obtained credits only will be considered.

15. Attendance Requirements:

- i. A student shall be eligible to appear for the University external examinations if he/she acquires a minimum of 40% attendance in each subject and 75% of attendance in aggregate of all the subjects. b) Condonation of shortage of attendance in aggregate up to 10% (65% and above and below 75%) in each semester may be granted by the College Academic Committee.
- ii. Shortage of Attendance below 65% in aggregate shall in NO CASE be condoned.
- iii. A stipulated fee shall be payable towards condonation of shortage of attendance to the Institution.
- iv. Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that class and their registration shall stand cancelled.
- v. A student will not be promoted to the next semester unless he satisfies the attendance requirements of the present semester. They may seek readmission for that semester from the date of commencement of class work.
- vi. If any candidate fulfils the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.
- vii. If the learning is carried out in blended mode (both offline & online), then the total attendance of the student shall be calculated considering the offline and online attendance of the student.
- viii. For induction programme attendance shall be maintained as per AICTE norms.

16. Minimum Academic Requirements & Promotion Rules:

The following academic requirements have to be satisfied in addition to the attendance requirements mentioned in item no 15.

- a. A student is deemed to have satisfied the minimum academic requirements if he/she has earned the credits allotted to each theory/practical Engineering Graphics subject/project by securing not less than 40% of marks in the end semester exam, and minimum 40% of marks in the sum total of the internal marks and end semester examination marks.
- b. A student shall be promoted from first year to second year if he fulfills the minimum attendance requirement.
- c. A student shall be promoted from II Year to III Year if he/she fulfills the academic requirement of securing 40% of the credits up to either II Year I Semester or II Year II Semester from all the examinations, whether or not the candidate takes the examinations, and secures the prescribed minimum attendance in II Year II Semester.
- d. A student shall be promoted from III Year to IV Year if he/she fulfills the academic requirement of securing 40% of the credits up to either III Year I Semester or III Year II Semester from all the examinations, whether or not the candidate takes the examinations, and secures the prescribed minimum attendance in III Year II Semester.
- e. When a student is detained due to lack of credits/shortage of attendance he/she may be re-admitted when the semester is offered after fulfilment of academic regulations. In such case, he/she shall be in the academic regulations into which he/she is readmitted.
- f. A student shall put up minimum attendance and register 160 credits and earn all 160 credits.

17. **Grading:** As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades and corresponding percentage of marks shall be followed: After each course is evaluated for 100 marks, the marks obtained in each course will be converted to a corresponding letter grade as given below, depending on the range in which the marks obtained by the student fall.

Structure of Grading of Academic Performance

Marks Range (%)	Grade	Grade points
90 & above	S (Superior)	10
80 - 89	A (Excellent)	9
70 - 79	B (Very Good)	8
60 - 69	C (Good)	7
50 - 59	D (Average)	6
40 - 49	E (Pass)	5
< 40	F (Fail)	0
Absent	Ab (Absent)	0

- (i) A student obtaining Grade 'F' or Grade 'Ab' in a subject shall be considered failed and will be required to reappear for that subject when it is offered the next supplementary examination.
- (ii) For non-credit audit courses, "Satisfactory" or "Unsatisfactory" shall be indicated instead of the letter grade and this will not be counted for the computation of SGPA/CGPA/Percentage.

Computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA): The Semester Grade Point Average (SGPA) is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.,

$$SGPA = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

where, C_i is the number of credits of the i^{th} subject and G_i is the grade point scored by the student in the i^{th} course.

The Cumulative Grade Point Average (CGPA) will be computed in the same manner considering all the courses undergone by a student over all the semesters of a program, i.e.,

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

where " S_i " is the SGPA of the i^{th} semester and C_i is the total number of credits up to that semester.

Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts. While computing the SGPA the subjects in which the student is awarded Zero grade points will also be included.

Grade Point: It is a numerical weight allotted to each letter grade on a 10-point scale. Letter Grade: It is an index of the performance of students in a said course. Grades are denoted by the letters S, A, B, C, D, E and F.

- 18. Award of Class:** After a student has satisfied the requirements prescribed for the completion of the program and is eligible for the award of B. Tech. Degree, he/she shall be placed in one of the following four classes:

Class Awarded	CGPA Secured
First Class with Distinction*	≥ 7.5
First Class	$\geq 6.5 < 7.5$
Second Class	$\geq 5.5 < 6.5$
Pass Class	$\geq 5.0 < 5.5$

Note: * Students who have written supplementary examinations to fulfil the credit requirement will not be awarded First Class with Distinction. For such students the highest degree that is awarded will be First Class Only.

CGPA to Percentage conversion Formula: $(\text{CGPA} - 0.5) \times 10$

- 19. With-holding of Results:** If the candidate has any dues not paid to the Institution or if any case of indiscipline or malpractice is pending against him/her, the result of the candidate shall be withheld in such cases.

20. Multiple Entry / Exit Option:

(a) Exit Policy:

- UG Certificate in (Field of study/discipline)** - Programme duration: First year (first two semesters) of the undergraduate programme, 40 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6-credit job-specific internship/apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.
- UG Diploma (in Field of study/discipline)** - Programme duration: First two years (first four semesters) of the undergraduate programme, 80 credits followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6-credit job-specific internship/apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.
- For lateral entry students:** Programme duration: Second year (III & IV semesters) of the undergraduate programme, followed by an additional exit 10-credit bridge course(s) lasting two months, including at least 6-credit job-specific internship/apprenticeship that would help the candidates acquire job-ready competencies required to enter the workforce.
- Bachelor of Science (in Field of study/discipline) i.e., B.Sc. Engineering in (Field of study/discipline)-** Programme duration: First three years (first six semesters) of the undergraduate programme, 120 credits.

(b) Entry Policy:

Modalities on multiple entry by the student into the B.Tech. programme will be provided in due course of time.

Note: The Universities/APSCHS shall resolve any issues that may arise in the implementation of Multiple Entry and Exit policies from time to time and shall review the policies in the light of periodic changes brought by UGC, AICTE and State government.

21. Gap Year Concept: Gap year concept for Student Entrepreneur in Residence is introduced and outstanding students who wish to pursue entrepreneurship are allowed to take a break of one year at any time after II year to pursue full-time entrepreneurship. This period may be extended to two years at the most and these two years would not be counted for the time for the maximum time for graduation. The principal of the respective college shall forward such proposals submitted by the students to the University. An evaluation committee constituted by the University shall evaluate the proposal submitted by the student and the committee shall decide whether to permit the student(s) to avail the Gap Year or not.

22. Transitory Regulations

- a. Discontinued, detained, or failed candidates are eligible for readmission as and when the semester is offered after fulfilment of academic regulations. Candidates who have been detained for want of attendance or not fulfilled academic requirements or who have failed after having undergone the course in earlier regulations or have discontinued and wish to continue the course are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent subjects as and when subjects are offered, subject to Section 2 and they will follow the academic regulations into which they are readmitted.
- b. Candidates who are permitted to avail Gap Year shall be eligible for re-joining into the succeeding year of their B. Tech from the date of commencement of class work, subject to Section 2 and they will follow the academic regulations into which they are readmitted.

23. Student Transfers: Student transfers shall be as per the guidelines issued by the Government of Andhra Pradesh and the Universities from time to time.

24. General Instructions:

- a. The academic regulations should be read as a whole for purpose of any interpretation.
- b. Malpractices rules-nature and punishments are appended.
- c. Where the words “he”, “him”, “his”, occur in the regulations, they also include “she”, “her”, “hers”, respectively.
- d. In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the principal is final.
- e. The Institution may change or amend the academic regulations or syllabi at any time and the changes or amendments shall be made applicable to all the students on rolls with effect from the dates notified by the Institution.
- f. In the case of any doubt or ambiguity in the interpretation of the guidelines given, the decision of the principal is final.

ACADEMIC REGULATIONS (R26) FOR B. TECH (LATERAL ENTRY SCHEME)

(Effective for the students getting admitted into II year through Lateral Entry Scheme from the Academic Year 2027-2028 onwards)

1. Award of the Degree:

(a) Award of the B.Tech. Degree:

A student will be declared eligible for the award of the B.Tech. degree if he/she fulfils the following:

- (i) Pursues a course of study for not less than four academic years and not more than six academic years. However, for the students availing Gap year facility this period shall be extended by two years at the most and these two years would in addition to the maximum period permitted for graduation (six years).
- (ii) Registers for 120 credits and secures all 120 credits.

(b) Award of B.Tech. degree with Honors

A student will be declared eligible for the award of the B.Tech. with Honors if he/she fulfils the following:

- (i) Student secures additional 18 credits fulfilling all the requisites of a B.Tech. program i.e., 120 credits.
- (ii) Registering for Honors is optional.
- (iii) Honors are to be completed simultaneously with B.Tech. programme.

(c) Award of B.Tech. degree with Minors

A student will be declared eligible for the award of the B.Tech. with Minors if he/she fulfils the following:

- (i) Student secures additional 18 credits from other branches/discipline fulfilling all the requisites of a B.Tech. program i.e., 120 credits.
- (ii) Registering for Minors is optional.
- (iii) Minors are to be completed simultaneously with B.Tech. programme.

2. Students, who fail to fulfil the requirement for the award of the degree within six consecutive academic years from the year of admission, shall forfeit their seat.

3. Minimum Academic Requirements: The following academic requirements have to be satisfied in addition to the requirements mentioned in item no.2

- i. A student shall be deemed to have satisfied the minimum academic requirements and earned the credits allotted to each theory, practical, Engineering Graphics subject or project if he secures not less than 40% of marks in the end examination and a minimum of 40% of marks in the sum total of the mid semester evaluation and end examination taken together.
- ii. A student shall be promoted from III Year to IV Year if he/she fulfills the academic requirement of securing 40% of the credits up to either III Year I Semester or III Year II Semester from all the examinations, whether or not the candidate takes the examinations, and secures the prescribed minimum attendance in III Year II Semester.

4. Course Pattern:

- i) The entire course of study is three academic years on semester pattern.
- ii) A student eligible to appear for the end examination in a subject but absent at it or has failed in the end examination may appear for that subject at the next supplementary examination offered.
- iii) When a student is detained due to lack of credits/shortage of attendance the student may be re-admitted when the semester is offered after fulfilment of academic regulations, the student shall be in the academic regulations into which he/she is readmitted.

5. Award of Class:

After a student has satisfied the requirement prescribed for the completion of the program and is eligible for the award of B. Tech Degree, he shall be placed in one of the following four classes:

Class Awarded	CGPA Secured	From the CGPA secured from 120 Credits from II Year to IV Year
First Class with Distinction*	≥ 7.5	
First Class	$\geq 6.5 < 7.5$	
Second Class	$\geq 5.5 < 6.5$	
Pass Class	$\geq 5.0 < 5.5$	

Note: * Students who have written supplementary examinations to fulfil the credit requirement will not be awarded First Class with Distinction. For such students the highest degree that is awarded will be First Class Only.

6. All other regulations as applicable for B. Tech. Four-year degree course (Regular) will hold good for B. Tech. (Lateral Entry Scheme).
