

G.PULLA REDDY ENGINEERING COLLEGE
(Autonomous)
KURNOOL – 518 007



Scheme-2026
Part-A :: Academic Regulations for
B Tech Regular & Lateral Entry Students



Academic Regulations (Scheme -2026) for B. Tech Regular & Lateral Entry Students

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G. Pulla Reddy Engineering College (Autonomous) : Kurnool
Affiliated to Jawaharlal Nehru Technological University Anantapur, Ananthapuramu

Academic Regulations (Scheme -2026) for B. Tech (Regular-Full time)

(Effective for the students admitted into I year from the Academic Year **2026-2027** onwards)

1. Award of the Degree

a) Award of B.Tech Degree

A student shall be eligible for the award of the Bachelor of Technology (B.Tech.) Degree upon satisfying the following requirements:

- i) The student shall pursue the prescribed program of study for a minimum duration of four academic years and complete all the academic requirements within a maximum period of eight academic years.
- ii) Students availing the Gap Year facility shall be permitted an extension of up to two additional years, over and above the maximum duration of eight academic years, in accordance with the guidelines issued by the competent authorities.
- iii) The student shall register for 171 credits and secures all 171 credits prescribed under the curriculum.

b) Award of B.Tech Degree with Minor

A student shall be awarded the B.Tech. Degree with Minor provided that he/she:

- i) Successfully completes all the requirements of the regular B.Tech. program and earns the prescribed 171 credits.
- ii) Successfully earns an additional 18 credits prescribed under the Minor Program.
- iii) Completes the Minor Program simultaneously with the regular B.Tech. program in accordance with these Academic Regulations.
- iv) Registration for the Minor Program shall be optional and subject to the eligibility criteria prescribed by the College.

c) Award of B.Tech Degree with Honors

A student shall be awarded the B.Tech. Degree with Honors provided that he/she:

- i) Successfully completes all the requirements of the regular B.Tech. program and earns the prescribed 171 credits.
- ii) Successfully earns an additional 18 credits prescribed under the Honors Program.
- iii) Completes the Honors Program simultaneously with the regular B.Tech. program in accordance with these Academic Regulations.

iv) Registration for the Honors Program shall be optional and subject to the eligibility criteria prescribed by the College.

2. Maximum duration for completion of the program

Students shall complete all the academic requirements for the award of the B.Tech. Degree within the maximum duration specified under Clause 1.a (i).

Students who fail to fulfil all the prescribed academic requirements within the stipulated period shall forfeit their admission to the program, and their registration shall stand cancelled.

3. Admissions

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.

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 Distribution: The credit distribution shall normally be as follows

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

Academic year: An Academic Year consists of two consecutive Semesters, namely, Odd Semester and Even Semester

Choice Based Credit System (CBCS) : CBCS enables students to choose courses from the approved curriculum in accordance with the eligibility requirements and academic regulations prescribed by the College.

5. Semester / Credits:

- i) A Semester comprises 90 working days and an academic year is divided into two Semesters.
- ii) The summer term is for eight weeks during summer vacation. Internship/ apprenticeship / work-based vocational education and training can be carried out during the summer term, especially by students who wish to exit after two Semesters or four Semesters of study.
- iii) Regular courses may also be completed well in advance through MOOCs satisfying prerequisites.

6. Structure of the B.Tech Program

All courses offered for the B.Tech Program are broadly classified as follows

S.No.	Category	Breakup of Credits (Total 171)	Percentage of total credits	AICTE Recommendation (%)
1	Humanities and Social Science including Management (HM)	15	9%	8 – 9%
2	Basic Sciences (BS)	22	13 %	12 - 16%
3	Engineering Sciences (ES)	26	15%	10 – 18%
4	Professional Core (PC)	57	33 %	30 – 36%
5	Electives – Professional (PE) & Open (OE); Domain Specific Skill Enhancement Courses (SEC)	35	20 %	19 - 23%
6	Internships & Project work (PR)	16	10 %	8 – 11%
7	Mandatory Courses (MC)	Non-credit	Non-credit	-

The B.Tech. programme comprises a total of 171 credits, including 2 credits for the Comprehensive Online Examination. The syllabus for this online examination shall comprise the core courses studied by the student up to Seventh Semester. The examination shall be conducted by Jawaharlal Nehru Technological University Anantapur.

7. Course Classification:

The courses offered under the B.Tech. program are broadly classified into the following categories:

S.No.	Broad Course Classification	Course Category	Description
1.	Foundation Courses	Foundation courses	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
		Domain specific skill enhancement courses (SEC)	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

8. Program Pattern

- i) Total duration of the of B. Tech (Regular) Programme is four academic years.
- ii) Each academic year of study is divided into two Semesters.
- iii) Minimum number of instruction days in each Semester is 90.
- iv) A Student Induction Programme of three weeks' duration shall be conducted for all first-year students before the commencement of the First Semester. The programme shall be organized in accordance with the guidelines issued by AICTE and shall include activities such as Physical Fitness, Creative Arts, Universal Human Values, Literary Activities, Proficiency Modules, Interaction with Eminent Personalities, Familiarization with the Department, Innovation and Entrepreneurship, and Visits to Local Communities.
- v) Health/wellness/yoga/sports and NSS /NSS /Scouts & Guides / Community service activities are made mandatory as credit courses for all the under graduate students.
- vi) Courses like Environmental Sciences, Indian Knowledge System, Cybersecurity Awareness for Engineers, Gender Sensitization, Technical Paper Writing & IPR are offered as non-credit mandatory courses for all the B.Tech students.
- vii) Design Thinking & Tinkering Labs are made mandatory as credit courses for all the B.Tech students. All lateral entry students shall mandatorily complete the Design Thinking course as a Zero-Credit MOOC. The course shall be successfully completed before the award of the degree, preferably by the commencement of the Fifth Semester. The successful completion of the course shall be recorded and reflected in the Eighth Semester Grade Sheet.
- viii) A comprehensive online examination will be conducted in Seventh Semester for 2 credits
- ix) Increased flexibility for students through an increase in the elective component of the curriculum, with 05 Professional Elective courses and 04 Open Elective courses.
- x) 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.
- xi) A total of 04 Open Electives is offered in the curriculum.
- xii) While choosing the electives, students shall ensure that they do not opt for the courses with syllabus /contents similar to courses already pursued.
- xiii) 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.

- xiv) Students shall undergo mandatory summer internships, for a minimum of six- eight weeks duration at the end of IV Semester and Sixth Semester of the program. The internship at the end of Fourth Semester shall be community oriented and industry internship at the end of Sixth Semester.
- xv) There shall also be mandatory full Semester internship in the final Semester of the program along with the project work.
- xvi) Every student shall undertake at least one Industry Visit between the V and VII Semesters as part of the mandatory internship and practical training requirements.
- xvii) B.Tech degree with Honors and Minors is introduced for the students having good academic record.
- xviii) The College shall facilitate the effective utilization of Virtual Laboratory (Virtual Labs [https:// www.vlab.co.in](https://www.vlab.co.in)) resources to supplement laboratory instruction and enhance experiential learning. Students shall be encouraged to perform appropriate virtual laboratory experiments as part of their regular laboratory courses. Due weightage shall be given to the completion of virtual laboratory experiments in the day-to-day laboratory evaluation.
- xix) The college 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.
- xx) Preferably 25% of course work for the theory courses in every semester shall be conducted in the blended mode of learning.

9. Evaluation Process

The performance of a student in each course shall be evaluated through Continuous Internal Assessment (CIA) and End Examination (EE)

- i) The performance of a student in each Semester shall be evaluated course wise with a maximum of 100 marks for theory and 100 marks for practical course. Summer Internships shall be evaluated for 50 marks, Full Semester Internship & Project work in final Semester shall be evaluated for 200 marks, mandatory courses with no credits shall be evaluated for 30 sessional marks.

- ii) The evaluation pattern for various academic components shall be as follows:

Academic Component	Continuous Internal Assessment	End Examination	Total Marks
Theory Course	30	70	100
Laboratory Course	30	70	100
Design / Drawing Course	30	70	100
Skill Enhancement Course	30	70	100
Internship	50	-	50
Major Project	As prescribed	As prescribed	200
Mandatory Non-Credit Course	30	-	30

- iii) If any course contains two different branch courses, the syllabus shall be in two parts with 3 units each (Part-A and Part-B) and end examination question paper shall be set with two parts, each for 35 marks.
- iv) A student has to secure not less than 35% of marks in the end examination and a minimum of 40% of marks in the sum total of the Continuous Internal Assessment and End examination marks taken together for the theory, practical, design, drawing subject or project etc. In case of a mandatory non credit course, he/she should secure 40% of the total marks.
- v) At the end of every semester Regular Examinations of that semester shall be conducted. During the Odd semester, Regular examinations of odd semester and Supplementary examinations of even semester shall be scheduled. During the Even semester, Regular examinations of even semester and Supplementary examinations of odd semester shall be scheduled. Students with backlog subjects shall have to write more than one examination per day.
- a) Continuous Internal Assessment**
- (i) For theory courses, two sessional examinations, each of 120 minutes' duration, shall be conducted during the Semester. Each sessional examination shall be evaluated for 50 marks of which 20 marks are allocated for objective/Fill in the blanks/short answer questions and 30 marks for subjective questions.
- (ii) Question No. 1 shall comprise objective-type, fill-in-the-blanks, and/or short-answer questions carrying a total of 20 marks. It may consist of either 10 questions of 2 marks each or a maximum of 20 questions of 1 mark each. Question No 2 to Question No 7 shall contain 3 either or type questions (totally six questions) of which student has to answer one from each either-or type of questions. Each question carries 10 marks. The

marks obtained in the sessional exam are condensed to 25. Remaining 5 marks are allotted for Assignments.

- (iii) A minimum of two assignments shall be conducted in the form of problems, mini-projects, design problems, slip tests, quizzes, etc., depending on the course content. One assignment shall be conducted before the First Sessional Examination and the other before the Second Sessional Examination. The average of the assignment marks shall be considered. If the student is absent for the sessional examination, no re-exam shall be conducted and sessional marks for that examination shall be considered as zero.
- (iv) The First Sessional Examination shall be conducted covering Units I and II of the syllabus, with Question 1 comprising objective-type, fill-in-the-blanks, and/or short-answer questions covering both units; Questions 2 and 3 from Unit I; Questions 4 and 5 from Unit II; and Questions 6 and 7 from Units I and II, respectively. Question 1 shall be compulsory, and students shall answer one question from each of Questions 2 & 3, Questions 4 & 5, and Questions 6 & 7.
- (v) The Second Sessional Examination shall be conducted covering Units III, IV and V of the syllabus, with Question 1 comprising objective-type, fill-in-the-blanks, and/or short-answer questions covering all three units; Questions 2 and 3 from Unit III; Questions 4 and 5 from Unit IV; and Questions 6 and 7 from Unit V. Question 1 shall be compulsory, and students shall answer one question from each of Questions 2 & 3, Questions 4 & 5, and Questions 6 & 7.
- (vi) The final sessional examination marks shall be computed by considering the marks obtained in both the sessional examinations, with 80% weightage for the better of the two sessional examination marks and 20% weightage for the other sessional examination marks.

Example:

Marks obtained in the First Sessional Examination: 40

Marks obtained in the Second Sessional Examination: 30

Final Sessional Examination Marks = $(0.8 \times 40) + (0.2 \times 30) = 38$

- (vii) If a student is absent for either of the two sessional examinations, the final sessional examination marks shall be computed by considering zero marks for the sessional examination in which the student was absent, with 80% weightage for the marks obtained in the examination attended and 20% weightage for the absent sessional examination.

Example:

Marks obtained in the First Sessional Examination: Absent

Marks obtained in the Second Sessional Examination: 40

Final Sessional Examination Marks = $(0.8 \times 40) + (0.2 \times 0) = 32$

Final Sessional exam marks shall be condensed to 25

Total Continuous Internal Assessment (CIA) Marks = Final Sessional Examination Marks + Average Assignment Marks.

(viii) For courses having design and/or drawing components, such as Engineering Graphics, day-to-day work shall be evaluated for 15 marks by the concerned faculty member based on the reports/submissions. In addition, two sessional examinations, each of 2 hours duration, shall be conducted during the Semester for 30 marks. The question paper shall consist of three either-or type questions carrying 10 marks each. There shall be no objective-type questions in the sessional examinations. The final sessional examination marks shall be computed with 80% weightage for the better sessional examination marks and 20% weightage for the other sessional examination marks and shall be condensed to 15 marks. The sum of the day-to-day evaluation marks and the final sessional examination marks shall constitute the Continuous Internal Assessment (CIA) marks.

(ix) For practical courses, there shall be a Continuous Internal Assessment (CIA) for 30 marks during the Semester. Day-to-day laboratory work, including observation, record and viva-voce shall be evaluated for 15 marks by the concerned faculty member, and the internal practical test shall be evaluated for 15 marks.

In a practical course consisting of two parts (e.g., Basic Electrical & Electronics Engineering Laboratory), the Continuous Internal Assessment shall be conducted separately for each part, with 30 marks allotted to each part. The final CIA marks shall be computed as the average of the marks obtained in the two parts.

b) End Examination Evaluation

i) The question paper for the End Examination of theory courses shall have the following pattern:

- ❖ The question paper shall consist of six compulsory questions.
- ❖ Question No. 1 shall comprise 10 short-answer questions carrying 2 marks each (20 marks in total), with two questions from each unit of the syllabus.
- ❖ The remaining five questions shall be either-or type descriptive questions carrying 10 marks each.
- ❖ Each descriptive question shall cover one unit of the syllabus.

ii) The question paper for the End Examination of theory courses consisting of two parts (e.g., Basic Electrical & Electronics Engineering) shall have the following pattern:

- ❖ The question paper shall consist of Part A and Part B, carrying 35 marks each.
- ❖ In each part, Question No. 1 shall comprise five compulsory short-answer questions carrying 1 mark each (5 marks in total).
- ❖ In each part, the remaining three questions shall be either-or type descriptive questions carrying 10 marks each.
- ❖ Each descriptive question shall cover one unit of the syllabus.

- iii) The question paper for the End Examination of courses having design and/or drawing components, such as Engineering Graphics, shall consist of five either-or type questions carrying 14 marks each. There shall be no short-answer or objective-type questions. The examination pattern for other courses related to design, drawing, estimation, or multidisciplinary content shall be as prescribed in the respective syllabus.
- iv) For practical courses, the End Examination shall be conducted for 70 marks by the concerned faculty member and a senior faculty member from the same department/an external examiner. The distribution of marks shall be as follows:
 Procedure – 20 marks
 Experimental Work and Results – 30 marks
 Viva-voce – 20 marks
 For a practical course consisting of two parts (e.g., Basic Electrical & Electronics Engineering Laboratory), the End Examination shall be conducted as a single laboratory examination of 3 hours' duration for 70 marks.
- v) There shall be no End Examination for mandatory courses with zero credits. However, attendance shall be considered while computing the aggregate attendance, and a student shall be declared to have passed the mandatory course only upon securing 40% or more marks in the Continuous Internal Assessment (CIA). In case a student fails in a mandatory course with zero credits, a re-examination shall be conducted for 30 marks, satisfying the conditions specified in Clause 1(a)(i).

Note :

- i) The Semester End Examinations shall be conducted based on the theoretical components of the prescribed syllabus.
- ii) Assignments shall be designed to incorporate AI-integrated components of the syllabus to promote applied and experiential learning.
- iii) The Sessional Examinations may include a combination of theoretical and AI-integrated components, as appropriate to the course.
- iv) The laboratory records, sessional examination answer scripts, and Semester End Examination answer scripts shall be preserved for a minimum period of three years and shall be produced before the committees of the University, NBA, NAAC, or any other statutory body, as and when required.

10. Skill Oriented Courses

- i) There shall be five Skill-Oriented Courses offered during the III to VII Semesters.
- ii) Of the five Skill-Oriented Courses, two shall be from the same domain. Of the remaining three courses, one shall be a Soft Skill Course and the remaining two shall be Skill-Advanced Courses from the same domain/interdisciplinary domain, or a job-oriented.

- iii) A student shall have the option to either register for the Skill-Oriented Courses offered by the institution or opt for a certificate course offered by industries, professional bodies, or other accredited agencies.
- iv) A student opting for a certificate course offered by an external agency shall be awarded the prescribed credits upon submission of the Course Completion Certificate issued by the concerned agency.
- v) A committee comprising the Head of the Department, the course coordinator, and a senior faculty member nominated by the Head of the Department shall evaluate the grades/marks awarded by the external agency and convert them into equivalent marks/grades in accordance with the norms approved by the institution. The Head of the Department shall nominate a faculty member as the course coordinator.
- vi) The list of recommended certificate courses offered by external agencies, along with the procedure for conversion of grades/marks to equivalent marks/grades, shall be approved by the committee at the beginning of the Semester.
- vii) If a student opts for a certificate course offered by an external agency, attendance shall be considered for all the other registered courses of that Semester, excluding the Skill-Oriented Course, for the purpose of computing the mandatory attendance requirement, subject to the submission of a valid Course Completion Certificate approved by the institution.
- viii) For the Skill-Oriented Courses offered by the institution, the Continuous Internal Assessment (CIA) and Semester End Examination shall follow the assessment pattern applicable to theory or practical courses, based on the nature of the course.

11. Massive Open Online Courses (MOOCs)

To promote self-learning and lifelong learning, students are encouraged to enroll in Massive Open Online Courses (MOOCs) offered through SWAYAM, SWAYAM Plus, NPTEL, or any other University-approved platform. The following are the guidelines for MOOC courses.

- i) A student may earn up to 40% of the total credits prescribed in a Semester through MOOCs for professional electives, open electives and skill enhancement courses subject to the Institution/University's guidelines and credit equivalence requirements.
- ii) Every student shall mandatorily complete at least one MOOC course before the commencement of the Eight Semester. In addition, Professional Elective-V (PE-V) and Open Elective-IV (OE-IV) shall be completed through the SWAYAM/SWAYAM Plus platforms to facilitate the Long-Term Internship during the final Semester. Accordingly, every student shall successfully complete a total of three MOOC courses for the award of the B.Tech. degree.
- iii) All the courses prescribed under the Honors and Minor programs may be pursued through approved MOOC platforms.

- iv) Students shall register for MOOC courses of either 8 or 12-weeks duration with the prior approval of the Head of the Department. Credits shall be awarded as follows:
 - 2 credits for an 8-week course.
 - 3 credits for a 12-week course.
- v) The National Credit Framework (NCrF) level applicable to the B.Tech program shall be Level 4.5.
- vi) The Head of the Department shall nominate a faculty mentor to monitor the academic progress of students enrolled in MOOC courses. The faculty mentor shall ensure that the registered course is included in the list of Institution-approved MOOC courses.
- vii) Students shall have the option to register for either the regular classroom mode or the MOOC mode for a particular course, but not both simultaneously. Students opting for the MOOC mode shall be exempted from attending regular classes for that course.
- viii) Students who successfully complete the proctored examination conducted through an approved MOOC platform shall be eligible for credit transfer, subject to the prescribed regulations, and shall be exempted from the corresponding Continuous Internal Assessment (CIA) and Semester End Examination conducted by the institution for the equivalent course. Credits shall be awarded only upon submission of the Course Completion Certificate. The internal assessment marks awarded by SWAYAM (out of 25) shall be proportionately converted to 30 marks, and the proctored examination marks (out of 75) shall be proportionately converted to 70 marks.
- ix) Where the Institution-prescribed minimum passing marks are higher than the minimum passing requirements prescribed by SWAYAM, the institution norms shall prevail. Accordingly, a student who submits a SWAYAM Course Completion Certificate but fails to secure the minimum passing marks prescribed by the University shall be declared unsuccessful and shall be required to appear for the supplementary examination.
- x) If a SWAYAM course carries more credits than the corresponding course in the approved curriculum, credit transfer shall be restricted to the number of credits prescribed for the corresponding course in the approved curriculum to maintain uniformity in the total credit requirements. Credit transfer shall not be permitted if the SWAYAM course carries fewer credits than the corresponding course in the approved curriculum.
- xi) Students who successfully complete the prescribed assignments and secure at least 40% of the Continuous Internal Assessment (CIA) marks (10 out of 25) in a SWAYAM course, but fail to secure 40% of the maximum marks in the Proctored Examination (30 out of 75), shall have the following options, subject to the approval of the Competent Authority:
 - a) Re-register for and reappear in the SWAYAM/NPTEL course in the subsequent semester;
 - or
 - b) Appear for the End-Supplementary Examination conducted by the Institution in the subsequent semester(s). Under this option, the final marks shall be computed by assigning

30% weightage to the assignments and quizzes evaluated through SWAYAM and 70% weightage to the End-Supplementary Examination conducted by the Institution.

- xii) In cases where a student secures less than the prescribed minimum Continuous Internal Assessment (CIA) marks (12 out of 30) in a SWAYAM course and the course is not offered again in the subsequent Semester, the Institution may, through a special notification, conduct a full-course supplementary examination during the final Semester of the program. The examination shall be conducted in accordance with the prescribed End Examination question paper pattern for 70 marks, and the marks obtained shall be proportionately converted to 100 marks.
- xiii) The Institution/JNTUA reserves the right to amend these provisions relating to MOOC courses from time to time.

12. Credit Transfer Policy

To promote blended learning in accordance with the National Education Policy (NEP) 2020 and the University Grants Commission (Credit Framework for Online Learning Courses through SWAYAM) Regulations, 2016, the adoption of MOOCs is mandatory. The Institution shall permit students to earn up to 40% of the total credits prescribed in a Semester through MOOCs offered on the SWAYAM/SWAYAM Plus platform, subject to the applicable regulations.

- i) The Institution shall facilitate credit transfer for MOOC courses and award equivalent credits to students who successfully complete the approved online courses.
- ii) Students shall register for MOOC courses only through the respective department of the Institution and shall furnish all the necessary information and documents required for registration and credit transfer.
- iii) Credit transfer shall be permitted only for the Professional Elective (PE) and Open Elective (OE) courses.
- iv) At the beginning of each Semester, the Institution, in consultation with the concerned departments, shall notify the list of MOOC courses approved for credit transfer.
- v) The Head of the Department shall nominate a faculty member as a Mentor to guide and monitor the students from registration until successful completion of the MOOC course.
- vi) Credits shall be awarded only upon successful completion of the MOOC course and submission of the Course Completion Certificate issued by the competent authority, along with the marks/grades obtained.
- vii) The concerned department shall submit to the Examination Cell the list of students who have successfully completed the MOOC courses during the Semester, along with the Course Completion Certificates.

The Institution shall resolve issues arising during the implementation of this policy and review the credit transfer policy from time to time in accordance with the guidelines issued by JNTUA, UGC, SWAYAM, NPTEL, and the Government of Andhra Pradesh.

13. Academic Bank of Credits

The Institution implements the Academic Bank of Credits (ABC) in accordance with the National Education Policy (NEP) 2020. The Institution shall upload the necessary student academic data to the Academic Bank of Credits (ABC) portal to facilitate:

- i) Academic mobility for students across Higher Educational Institutions.
- ii) Earning of credits through MOOCs offered on approved digital platforms.
- iii) Award of Certificates, Diplomas, and Degrees based on the credits accumulated in the Academic Bank of Credits (ABC).
- iv) Implementation of the Multiple Entry and Multiple Exit system through credit accumulation, credit transfer and credit acceptance.

The provisions mentioned under (iii) and (iv) shall be implemented subject to the approval of the Competent Authority.

14. Mandatory Internships and Project work

a) Summer Internships

- i) Two summer internships, each of 06–08 weeks duration and carrying 2 credits each, shall be mandatory and shall be undertaken at the end of the second and third years, respectively. The internships shall be carried out in collaboration with Industries, Government Organizations, construction agencies, power projects, software MNCs, or other organizations relevant to the area of specialization of the B.Tech Program. The summer internship undertaken at the end of the second year shall be a Community Service Project with a societal orientation and shall be completed in collaboration with Government Organizations, NGOs, or other approved organizations. The internship undertaken at the end of the third year shall be an Industry Internship and shall be completed in collaboration with industries. Students shall register for the internships as per the course structure. The guidelines issued by APSCHE/University/Institution from time to time shall be followed for the conduct and evaluation of the Community Service Project and Industry Internship.
- ii) The evaluation of summer internships shall be carried out by a Departmental Internship Evaluation Committee. A student shall submit an internship report to the concerned department and make an oral presentation before the committee comprising the Head of the Department, Internship Mentor, and a senior faculty member of the department. The internship completion certificate issued by the

organization shall be enclosed along with the report. The report and oral presentation shall carry 50% weightage each, and the internship shall be evaluated for 50 marks.

- iii) There shall be no internal assessment marks for summer internships. A student shall secure a minimum of 40% marks for successful completion. In case of failure, the student shall reappear for the internship evaluation as and when supplementary examinations are conducted.

b) Full Semester Internship and Project Work

- i) In the final Semester (IV Year – II Semester), every student shall mandatorily register for and undergo a Long-Term Industry Internship and simultaneously undertake project work with well-defined objectives. At the end of the Semester, the student shall submit the internship completion certificate and report based on the work carried out during the internship. The Long-Term Industry Internship shall be evaluated for 50 marks by a committee comprising the Head of the Department and two senior faculty members of the department.

The Project Work shall carry 200 marks (8 credits), with the following distribution:

Continuous Internal Assessment :	60 Marks
End Examination :	140 Marks
Total :	200 Marks

- ii) The internal evaluation shall consist of:
 - ❖ Evaluation by Supervisor: 30 marks (Day to Day work – 15 marks; Report – 15 marks)
 - ❖ Departmental Project Review Committee Evaluation: 30 marks; The Departmental Project Review Committee comprising the Supervisor, a senior faculty member, and the Head of the Department shall evaluate the project during the Semester through seminar, viva etc.
 - ❖ At the end of the Semester, all projects shall be showcased at the department level for the benefit of students and faculty members.
- iii) The external evaluation shall be conducted through a Viva-Voce Examination for 140 marks in the presence of the Internal Examiner (Project Supervisor), Head of the Department, and an External Examiner nominated by the Head of the Department and approved by the Principal.
- iv) The Institution shall facilitate and monitor student internship activities. Completion of the prescribed internships is mandatory for the award of the degree. A student who fails to complete the mandatory internship shall not be eligible for the award of the degree and shall be required to repeat and successfully complete the internship.

15. Student Development Program (SDP) – Department- wise workshop (Mandatory Non-Credit Course)

Each Department shall design and conduct a Student Development Program (SDP)/Department-Wise Workshop relevant to its discipline for all B.Tech. students. The program shall carry zero credits and shall be conducted at the end of the V Semester.

The following guidelines shall govern the conduct and evaluation of SDP:

- i) **Program Planning:** The Head of the Department (HoD) shall prepare and notify the workshop schedule, syllabus/content, learning outcomes, and assessment plan at least two weeks prior to the commencement of the program.
- ii) **Attendance:** Attendance in all workshop sessions shall be mandatory. Students shall attend the program as per the notified schedule.
- iii) **Evaluation:** The program shall be evaluated for a total of 50 marks, with the following distribution:
 - ❖ 25 marks for Continuous Assessment based on participation, assignments, practical activities, presentations, or other evaluation components prescribed by the Department
 - ❖ 25 marks for the final examination to be conducted on the last day of the workshop.
- iv) **Pass Requirements:** A student shall be declared to have successfully completed the program only if the student secures a minimum of 40% marks in both the continuous assessment and the final examination separately.
- v) **Submission of Marks:** The HoD shall submit the finalized marks list to the Examination cell within the timeline.
- vi) **Certification:** A Workshop Completion Certificate shall be issued only to students who successfully fulfill the prescribed attendance and pass requirements.
- vii) **Supplementary Examination:** A student who fails to secure the minimum prescribed marks in either the continuous assessment or the final examination shall be required to appear for the supplementary examination conducted in the subsequent Semester, as per the regulations and schedule.

Successful completion of the Student Development Program (SDP)/Department-Wise Workshop shall be mandatory for the award of the B.Tech. degree, and the completion status shall be reflected in the student's academic records.

16. Guidelines for Offering a Minor

To promote interdisciplinary knowledge, students admitted to a B.Tech. program in a major stream/branch are eligible to obtain a Minor in another stream.

- i) Minor is introduced in the curriculum of all B.Tech. programs offering a major degree and is applicable to all B.Tech. students (Regular and Lateral Entry). Each Engineering Department shall offer Minor. A Minor in Quantum Computing shall be offered for students of all streams, with the curriculum developed by the CSE Department.
- ii) A student shall earn an additional 18 credits for the award of the Minor by successfully completing five theory courses and two laboratory courses/project work prescribed under approved Minor tracks. These credits are in addition to the 171 credits prescribed for the award of the B.Tech. degree in the major discipline.
- iii) A student shall be permitted to register for the Minor in the IV Semester after the declaration of the III Semester results. From the V Semester onwards, a student shall be permitted to register for a maximum of two courses offered under the Minor per semester.
- iv) The Institution shall make necessary arrangements for offering the courses offered under Minor, including separate class work and timetable, wherever required.
- v) Courses that are used to satisfy the requirements of the student's major discipline, including Open Elective courses, shall not be considered for the Minor. Courses having substantial content overlap with the courses of the major discipline shall not be counted towards the Minor.
- vi) Students may complete the courses prescribed under the Minor tracks either through conventional mode offered by the Institution or through approved online platforms such as SWAYAM, subject to the prescribed credit mobility criteria.
- vii) All the courses offered under Minor may also be pursued through MOOCs subject to the prior approval of the Head of the Department. A 3-credit course shall have a minimum duration of 12 weeks, and a 2-credit course shall have a minimum duration of 8 weeks.
- viii) For courses offered in conventional mode, the teaching-learning and evaluation procedures shall be similar to those prescribed for regular B.Tech. courses. The Bloom's Taxonomy level for Minor courses shall be 3 and below.
- ix) Attendance for the courses registered under the Minor and the regular courses of the major stream/branch shall be considered separately.
- x) A student shall maintain a minimum attendance of 75% in all registered courses under Minor to be eligible to appear for the End Examinations.
- xi) A student registered for the Minor shall pass all the prescribed courses of the Minor. No class/division (such as Second Class, First Class, or Distinction) shall be awarded for the Minor.
- xii) If a student withdraws from or is terminated from the Minor, the additional credits earned shall not be transferred, substituted, or adjusted against any of the courses prescribed in the regular B.Tech. curriculum, including Professional Elective and Open Elective Courses. Such credits shall remain additional, and a separate grade sheet

mentioning the courses completed under the Minor shall be issued only upon the request of the student.

- xiii) A student who fails in any course of the Minor shall be permitted to appear for the corresponding supplementary examination(s). However, all the prescribed courses of the Minor shall be successfully completed within the normal duration of the B.Tech. program (four years for regular students and 3 years for lateral entry students). The extended period permitted for clearing the regular B.Tech. courses shall not be applicable to the Minor. Failure to complete the Minor courses within the stipulated period shall result in cancellation of registration for the Minor and no Minor credential shall be awarded.

17. Guidelines for offering Honors

The objective of introducing the Honors is to provide an opportunity for students to pursue additional specialized courses of their choice and develop competency in a focused area at the undergraduate level. Honors is intended for academically meritorious students with a strong academic record and an interest in advanced learning, higher studies, and research.

- i) Honors is introduced in the curriculum of all B.Tech. programs offering a major degree and is applicable to all B.Tech. students (Regular and Lateral Entry).
- ii) Students having a minimum CGPA of 7.0 and no backlogs up to and including III Semester are eligible to register for the Honor.
- iii) A student shall earn an additional 18 credits by successfully completing five theory courses and two laboratory/project courses offered under approved Honors tracks in the same department in which the student is registered for the Major Degree. These credits shall be over and above the 171 credits prescribed for the award of the B.Tech. degree in the Major Discipline.
- iv) A student shall be permitted to register for the Honors in the IV Semester after the declaration of the III Semester results. From the V Semester onwards, a student shall be permitted to register for a maximum of two courses offered under the Honors per semester.
- v) The Institution shall make necessary arrangements for offering the courses offered under Honors, including separate class work and timetable, wherever required.
- vi) Courses that are used to satisfy the requirements of the student's major discipline, including Open Elective courses, shall not be considered for the Honors. Courses having substantial content overlap with the courses of the major discipline shall not be counted towards the Honors.

- vii) Students may complete the courses prescribed under the Honors either through conventional mode offered by the Institution or through approved online platforms such as SWAYAM, subject to the prescribed credit mobility criteria.
- viii) All the courses offered under Honors may also be pursued through MOOCs subject to the prior approval of the Head of the Department. A 3-credit course shall have a minimum duration of 12 weeks, and a 2-credit course shall have a minimum duration of 8 weeks.
- ix) For courses offered in conventional mode, the teaching-learning and evaluation procedures shall be similar to those prescribed for regular B.Tech. courses. The Bloom's Taxonomy level for Honors courses shall be 3 and above preferably.
- x) Attendance for the courses registered under the Honors and the regular courses of the major stream/branch shall be considered separately.
- xi) A student shall maintain a minimum attendance of 75% in all registered courses under Honors to be eligible to appear for the End Examinations.
- xii) A student registered for Honors shall pass all the prescribed courses required for the award of Honors. No class/division (such as Second Class, First Class, or Distinction) shall be awarded for Honors.
- xiii) Registration for Honors shall continue even if a student fails in any of the regular courses after registering for Honors.
- xiv) A student who fails in any Honors course shall not be provided an opportunity to clear the course through supplementary examination(s). Consequently, the registration for Honors shall stand cancelled and no Honors credential shall be awarded.
- xv) If a student withdraws from or is terminated from Honors, the additional credits earned shall not be transferred, substituted, or adjusted towards any of the courses prescribed in the regular B.Tech. curriculum, including Professional Elective and Open Elective Courses. Such credits shall remain additional, and a separate grade sheet mentioning the courses completed under Honors shall be issued only upon the request of the student.

Enrolment into Honors:

- i) Students of a Department/Discipline shall be eligible to opt for Honors offered by the same Department/Discipline.
- ii) The registration for Honors shall be based on the CGPA obtained in the Major Degree. For regular students, the CGPA obtained up to and including the III Semester shall be considered, whereas for lateral entry students, the CGPA obtained in the III Semester shall be considered. Students having a minimum CGPA of 7.0 and no backlog courses shall be eligible to register for Honors.

- iii) If a student is detained due to shortage of attendance in the Major Degree courses or fails to maintain the minimum 75% attendance requirement in the Honors courses, the registration for Honors shall stand cancelled.
- iv) Transfer or adjustment of credits between Honors and the regular B.Tech. curriculum shall not be permitted.
- v) Honors shall be pursued and completed simultaneously along with the Major Degree.

Registration for Honors/Minor:

- i) The eligible and interested students shall apply through the Head of the Department (HoD) of their parent department. The entire process of registration shall be completed within one week prior to the commencement of each semester. The selected students shall be permitted to register for the courses offered under Honors/Minor.
- ii) The students registered for Honors/Minor courses shall be monitored continuously. An advisor/mentor from the parent department shall be assigned to a group of students to monitor their academic progress.
- iii) No additional fee shall be charged for registration of Honors/Minor courses offered in offline mode by the Institution.
- iv) A student shall successfully complete all the prescribed Honors/Minor courses within the normal duration of study applicable to the B.Tech. program.
- v) If a student fails to complete all the prescribed requirements of Honors/Minor within the stipulated regular period of study, the registration for Honors/Minor shall stand cancelled. The additional credits earned shall remain extra and shall not be counted towards the award of the Major Degree.
- vi) A student shall be permitted to register for either a Minor or an Honors only. Simultaneous registration for both Minor and Honors shall not be permitted.
- vii) Prior approval of the Head of the Department is mandatory for pursuing Minor/Honors courses through MOOCs.
- viii) Students shall ensure that there is no overlap of courses between the Major Degree program and Minor/Honors. A course shall not be counted towards both the regular B.Tech. program and the Minor/Honors.
- ix) In case of duplication of courses between the regular B.Tech. program and Minor/Honors, the student shall become ineligible for the award of the Minor/Honors.

18. Attendance requirements

- i) A student shall be eligible to appear for the End Examinations only if he/she has secured a minimum of 40% attendance in each course and a minimum of 75% attendance in aggregate of all courses in a semester.
- ii) Condonation of shortage of attendance in aggregate up to 10% (i.e attendance of 65% and above but less than 75% in aggregate) in each semester may be granted by the Principal.
- iii) Shortage of Attendance below 65% in aggregate shall in NO CASE be condoned.
- iv) A prescribed fee shall be payable towards condonation of shortage of attendance to the Institution.
- v) Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examination of that semester and their registration for that semester shall stand cancelled.
- vi) A student shall not be promoted to the next semester unless the attendance requirements of the current semester are satisfied. Such students may seek readmission into the same semester from the date of commencement of class work.
- vii) A student who satisfies the attendance requirements in the current semester shall not be eligible for readmission into the same semester.
- viii) If the learning is carried out in blended mode (combination of offline & online modes), then the total attendance of the student shall be calculated considering both the offline and online attendance of the student.
- ix) Attendance in SWAYAM courses shall not be considered for calculating the student's overall attendance requirement for the semester.
- x) Attendance for the Induction Programme shall be maintained as per AICTE norms.

19. Promotion Rules:

The following academic requirements must be satisfied in addition to the attendance requirements specified in Section 18.

- i) A student shall be promoted from the First Year to the Second Year if he/she satisfies the minimum attendance requirement as per the regulations.
- ii) A student shall be promoted from the II Year to the III Year if he/she secures a minimum of 40% of the total credits prescribed for the courses studied up to and including the III Semester. Any decimal fraction in the number of credits shall be rounded off to the lower integer.
- iii) A student shall be promoted from the III Year to the IV Year if he/she secures a minimum of 40% of the total credits prescribed for the courses studied up to and including the V Semester. Any decimal fraction in the number of credits shall be rounded off to the lower integer.

- iv) A student detained due to non-fulfilment of the credit requirement specified in clauses (ii) and (iii) may appear for the supplementary examinations to acquire the required credits. Such a student shall be permitted to join the V Semester or VII Semester, as applicable, only after satisfying the prescribed credit requirement.
- v) A student detained due to shortage of attendance or non-fulfilment of credit requirements shall be eligible for readmission into the corresponding semester when it is offered, subject to fulfilling the applicable academic regulations. Such a student shall be governed by the academic regulations applicable to the batch into which he/she is readmitted.

Table: Credit Requirements for Promotion

For Promotion to	Minimum Credits required	
	For Four Year Regular B.Tech Students	For Lateral Entry Students
V Semester	Minimum 40% of the total prescribed credits up to and including III Semester shall be earned before registering for IV Semester regular examinations.	---
VII Semester	Minimum 40% of the total prescribed credits up to and including V Semester shall be earned before registering for VI Semester regular examinations	Minimum 40% of the total prescribed credits of III, IV, and V Semesters shall be earned before registering for VI Semester regular examinations.

Note: Any fractional value in the number of required credits shall be rounded down to the lower integer.

20. Grading:

The performance of a student shall be evaluated on a 10-point Absolute Grading System. The corresponding Letter Grades and the percentage of marks shall be as follows:

- 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

Range in which the marks in the subject fall	Grade		Grade points Assigned
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	Below Average	5
< 40	F	Fail	0
Absent	Ab	Absent	0

- A student obtaining Grade 'F' or Grade 'Ab' in a course shall be considered to have failed in that course and will be required to reappear for the examination of that course when it is offered in the subsequent supplementary examination.

iii) 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

iv) 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 point 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} course 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.

v) Both SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

vi) While computing the SGPA the courses in which the student is awarded Zero grade points will also be included.

vii) Grade Point is a numerical weight allotted to each letter grade on a 10-point scale.

viii) Letter Grade is an index of the performance of students in a said course.

ix) Grades are denoted by the letters S, A, B, C, D, E and F.

Award of Class:

After a student satisfies 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	$\geq 4.5 < 5.5$

The percentage equivalent of CGPA shall be calculated as $(CGPA - 0.5) \times 10$.

21. With-holding of Results

If a candidate has any outstanding dues payable to the Institution or if any case of indiscipline or malpractice is pending against him/her, the result of the candidate shall be withheld until the settlement of such dues or disposal of the case, as applicable.

22. Multiple Entry/Exit Options

(a) Exit Policy:

The students can choose to exit the four-year program at the end of first/second/third year.

- i) UG Certificate (in Field of study/discipline) - Program duration: First year (first two semesters) of the undergraduate program, 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.
- ii) UG Diploma (in Field of study/discipline) - Program duration: First two years (first four semesters) of the undergraduate program, 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.
- iii) Bachelor of Science (in Field of study/discipline) i.e., B.Sc. Engineering (in Field of study/discipline)- Program duration: First three years (first six semesters) of the undergraduate program.

(b) Entry Policy:

The modalities for multiple entry into the B.Tech. program shall be notified separately in accordance with the guidelines issued by the competent authorities from time to time.

Note:

- The award of the Undergraduate Certificate, Undergraduate Diploma, or Bachelor of Science (B.Sc.) degree under the Multiple Entry and Exit Policy shall be subject to the approval of the College Academic Council and JNTUA. Appropriate certificates shall be issued to the eligible students only after obtaining the necessary approvals.
- The Institution/JNTUA shall resolve any issues that may arise during the implementation of the Multiple Entry and Exit Policy from time to time and shall review the policy in the light of periodic changes issued by the UGC, AICTE, and the Andhra Pradesh State Government.

23 Gap Year Concept

The concept of Gap Year for Student Entrepreneur in Residence is introduced to encourage outstanding students who wish to pursue entrepreneurship or establish start-ups. Such students shall be permitted to take a break of one year at any time after completion of the II Year to pursue full-time entrepreneurship activities/start-up initiatives. The Gap Year may be extended up to a maximum period of two years. The period of Gap Year shall not be counted towards the maximum period prescribed for completion of the B.Tech. degree.

The student shall submit a detailed proposal to the Principal for availing the Gap Year. The Principal shall constitute an Evaluation Committee to assess the proposal submitted by the student and recommend whether the student may be permitted to avail the Gap Year. The recommendations of the Committee shall be placed before the College Academic Council for approval.

24 Transitory Regulations

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 program in earlier regulations or have discontinued and wish to continue the program are eligible for admission into the unfinished semester from the date of commencement of class work with the same or equivalent courses as and when courses are offered, and they will follow the academic regulations into which they are readmitted.

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, and they will follow the academic regulations into which they are readmitted.

25. Minimum Instruction Days for a Semester:

The minimum number of instruction days in each semester shall be 90.

26 Medium of Instruction:

The medium of instruction of the entire B.Tech program (including examinations and project reports) will be in English only.

27 Student Transfers:

Student transfers shall be as per the guidelines issued by the Government of Andhra Pradesh and JNTUA from time to time.

28 Rules of Discipline

- i) Ragging of any form is strictly prohibited. Any student found indulging in ragging shall be punished as per the provisions of the applicable Anti-Ragging Act/Regulations.
- ii) Use of mobile phones with camera facilities inside the campus is strictly prohibited.

- iii) Students shall maintain dignity, discipline, and courteous behavior on the campus and in the hostels.
- iv) Students shall not bring outsiders into the Institution premises or hostels without prior permission from the competent authority.
- v) Students shall not steal, deface, damage, or cause any loss to the property of the Institution.
- vi) Students shall not collect money from others within the campus or hostels, either voluntarily or through coercion, without prior permission from the competent authority.
- vii) Students shall not indulge in plagiarism of any nature or extent. The use of material, ideas, figures, code, or data without appropriate acknowledgement or permission from the original source shall be treated as plagiarism. Submission of material, either verbatim or paraphrased, authored by another person or previously published by oneself, shall also be considered as plagiarism.
- viii) Use of vehicles by students inside the campus is prohibited, except with prior permission from the competent authority.
- ix) Any conduct or activity that may bring disrepute to or lower the esteem of the Institution is strictly prohibited.
- x) Any student found exhibiting prohibited behavior shall be liable for suspension from the Institution. The period of suspension and the nature of punishment shall be communicated to the student. The student shall lose attendance for the period of suspension.

xi) Dress Code

All male students shall wear formal attire on the campus. Wearing T-shirts, shorts, or other informal dresses on the campus is strictly prohibited.

All female students shall wear decent formal attire such as churidar with dupatta or saree.

29. General Instructions:

- i) The academic regulations should be read as a whole for purpose of interpretation.
- ii) The rules relating to malpractices, including their nature and corresponding punishments, are appended to these regulations.
- iii) Where the words “he”, “him”, “his”, occur in these regulations, they shall also include “she”, “her”, “hers”, respectively.
- iv) The Institution/JNTUA 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/JNTUA.
- v) In case of any doubt or ambiguity in the interpretation of these regulations, the decision of the Head of the Institution shall be final. Matters requiring clarification from the affiliating University shall be referred to JNTUA for necessary guidance.

ACADEMIC REGULATIONS (Scheme - 2026)
FOR B.TECH. (LATERAL ENTRY SCHEME)

(Effective for the students admitted into II year through Lateral Entry Scheme from the Academic Year 2027-28 onwards)

1. Award of the Degree

a) Award of B.Tech Degree

A student shall be eligible for the award of the Bachelor of Technology (B.Tech.) Degree upon satisfying the following requirements:

- i) The student shall pursue the prescribed program of study for a minimum duration of three academic years and complete all the academic requirements within a maximum period of six academic years.
- ii) Students availing the Gap Year facility shall be permitted an extension of up to two additional years, over and above the maximum duration of six academic years, in accordance with the guidelines issued by the competent authorities.
- iii) The student shall register for 131 credits and secures all 131 credits prescribed under the curriculum.

b) Award of B.Tech Degree with Minor

A student shall be awarded the B.Tech. Degree with Minor provided that he/she:

- i) Successfully completes all the requirements of the regular B.Tech. program and earns the prescribed 131 credits.
- ii) Successfully earns an additional 18 credits prescribed under the Minor Program.
- iii) Completes the Minor Program simultaneously with the regular B.Tech. program in accordance with these Academic Regulations.
- iv) Registration for the Minor Program shall be optional and subject to the eligibility criteria prescribed by the College.

c) Award of B.Tech Degree with Honors

A student shall be awarded the B.Tech. Degree with Honors provided that he/she:

- i) Successfully completes all the requirements of the regular B.Tech. program and earns the prescribed 131 credits.
- ii) Successfully earns an additional 18 credits prescribed under the Honors Program.
- iii) Completes the Honors Program simultaneously with the regular B.Tech. program in accordance with these Academic Regulations.
- iv) Registration for the Honors Program shall be optional and subject to the eligibility criteria prescribed by the College.

- 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. All lateral entry students shall mandatorily complete the Design Thinking course as a Zero-Credit MOOC. The course shall be successfully completed before the award of the degree, preferably by the commencement of the V Semester. The successful completion of the course shall be recorded and reflected in the VIII Semester Grade Sheet.
4. Program Pattern
 - i) The entire program of study is three academic years on semester pattern.
 - ii) A student eligible to appear for the end examination in a course but absent at it or has failed in the end examination may appear for that course at the next supplementary examination offered.
 - iii) When a student is detained due to lack of credits/shortage of attendance the student shall 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. All other academic regulations, including those relating to attendance, examinations, promotion, evaluation, and the award of the degree, shall be the same as those prescribed for regular B.Tech. students, unless otherwise specified.

GUIDELINES FOR

DISCIPLINARY ACTION FOR MALPRACTICES / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	
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.
(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 subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case shall be 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 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 including practical courses of that semester.
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 for four consecutive semesters from class work and all examinations. The continuation of the program by the candidate is subject to the academic regulations in connection with forfeiture of seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the courses of the

		examination (including practicals) 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 four consecutive semesters from class work and all examinations, if his involvement is established. Otherwise, the candidate is debarred for two consecutive semesters from class work and all examinations. The continuation of the program by the candidate is subject 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 shall be 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 courses including practical courses of that semester. The candidate is also debarred for two consecutive semesters from class work and all examinations. The continuation of the program by the candidate is subject 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 only.
6	Refuses to obey the orders of the Chief Superintendent /Assistant - Superintendent /any officer on duty or misbehaves or 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 officer-in charge or any person on duty in or outside the	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that course and all other courses of that semester. If the candidate physically assaults the invigilator/ officer- in-charge of the Examinations, then the candidate is also debarred and

	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 officer-in-charge, 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.	forfeits his/her seat. In case of outsiders, they will be handed over to the police and a police case shall be registered against them.
7	Leaves the exam hall taking away answer script or intentionally tears 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 including practical courses of that semester. The candidate is also debarred for two consecutive semesters from class work and all examinations. The continuation of the program by the candidate is subject 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 including practical courses of that semester. The candidate shall also be 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 in any malpractice or improper conduct mentioned in clause 6 to 8.	Expulsion from the examination hall and cancellation of the performance in that course and all other courses including practical courses. The candidate shall be debarred from continuing the programme, and the seat shall be forfeited. Any person(s) not belonging to

		the College shall be handed over to the police, and a police case shall 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 including practical courses of that semester.
11	Copying detected on the basis of internal evidence, such as, during valuation or during scrutiny.	Cancellation of the performance in that course and all other courses the candidate has appeared including practical courses of that semester, depending on the recommendation of the committee.
12	Tampering of the NPTEL /SWAYAM certificate	Cancellation of student performance in the entire semester.
13	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to Examination committee of the Institution for further action to award suitable punishment.	

Note:-

- i) The cases of malpractice identified by the Squad Members/Special Invigilators shall be dealt with as per the above guidelines and appropriate punishment shall be imposed on the concerned candidates.
- ii) Whenever the performance of a student is cancelled in any course/courses due to Malpractice, he has to register for End Examinations in that course/courses consequently and has to fulfil all the norms required for the award of Degree.