

PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN



(Approved by AICTE, New Delhi & Affiliated to JNTU Hyderabad)

Chowdaryguda (V), Ghatkesar (M), Medchal-Malkajgiri (D).TS-500088

Phone: 9394544566 / 6305324412

e-mail: princeton.principal2020@gmail.com

JNTUH Code (6M)

CSE - CIVIL - ECE - EEE

EAMCET Code- PETW

2.5.1 Mechanism of Internal Assessment Is Transparent and Robust In Terms Of Frequency and Mode:

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Principal

1. University Rules & Regulations on Examinations



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS (R22) FOR B.TECH REGULAR STUDENTS **WITH EFFECT FROM THE ACADEMIC YEAR 2022-23**

1.0 Under-Graduate Degree Programme in Engineering & Technology (UGP in E&T)

Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers a 4-year (8 semesters) **Bachelor of Technology (B.Tech.)** degree programme, under Choice Based Credit System (CBCS) at its non-autonomous constituent and affiliated colleges with effect from the academic year **2022-23**.

2.0 Eligibility for Admission

2.1 Admission to the undergraduate(UG) programme shall be made either on the basis of the merit rank obtained by the qualified student in entrance test conducted by the Telangana State Government (EAMCET) or the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the government from time to time.

2.2 The medium of instructions for the entire undergraduate programme in Engineering & Technology will be **English** only.

3.0 B.Tech. Programme Structure

3.1 A student after securing admission shall complete the B.Tech. programme in a minimum period of **four** academic years (8 semesters), and a maximum period of **eight** academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Tech course. Each student shall secure 160 credits (with CGPA ≥ 5) required for the completion of the undergraduate programme and award of the B.Tech. degree.

3.2 UGC/ AICTE specified definitions/ descriptions are adopted appropriately for various terms and abbreviations used in these academic regulations/ norms, which are listed below.

3.2.1 Semester Scheme

Each undergraduate programme is of 4 academic years (8 semesters) with the academic year divided into two semesters of 22 weeks (≥ 90 instructional days) each and in each

semester - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)' under Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) indicated by UGC, and curriculum/course structure suggested by AICTE are followed.

3.2.2 Credit Courses

All subjects/ courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/ course in an L: T: P: C (lecture periods: tutorial periods: practical periods: credits) structure based on the following general pattern.

- One credit for one hour/ week/ semester for Theory/ Lecture (L) courses or Tutorials.
- One credit for two hours/ week/ semester for Laboratory/ Practical (P) courses.

Courses like Environmental Science, Constitution of India, Intellectual Property Rights, and Gender Sensitization Lab are mandatory courses. These courses will not carry any credits.

3.2.3 Subject Course Classification

All subjects/ courses offered for the undergraduate programme in E&T (B.Tech. degree programmes) are broadly classified as follows. The University has followed almost all the guidelines issued by AICTE/UGC.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Foundation Courses (FnC)	BS – Basic Sciences	Includes Mathematics, Physics and Chemistry subjects
2		ES - Engineering Sciences	Includes Fundamental Engineering Subjects
3		HS – Humanities and Social Sciences	Includes subjects related to Humanities, Social Sciences and Management
4	Core Courses (CoC)	PC – Professional Core	Includes core subjects related to the parent discipline/ department/ branch of Engineering.
5	Elective Courses (ElC)	PE – Professional Electives	Includes elective subjects related to the parent discipline/ department/ branch of Engineering.
6		OE – Open Electives	Elective subjects which include inter-disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.
7	Core Courses	Project Work	B.Tech. Project or UG Project or UG Major Project or Project Stage I & II
8		Industry Training/ Internship/ Industry Oriented Mini-	Industry Training/ Internship/ Industry Oriented Mini-Project/ Mini-Project/ Skill Development Courses

		project/ Mini- Project/ Skill Development Courses	
9		Seminar	Seminar/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.
10	Minor Courses	-	1 or 2 Credit Courses (subset of HS)
11	Mandatory Courses (MC)	-	Mandatory Courses (non-credit)

4.0 Course Registration

- 4.1** A ‘faculty advisor or counselor’ shall be assigned to a group of 20 students, who will advise the students about the undergraduate programme, its course structure and curriculum, choice/option for subjects/ courses, based on their competence, progress, pre-requisites and interest.
- 4.2** The academic section of the college invites ‘registration forms’ from students before the beginning of the semester through ‘on-line registration’, ensuring ‘date and time stamping’. The online registration requests for any ‘current semester’ shall be **completed before the commencement of SEEs (Semester End Examinations) of the ‘preceding semester’**.
- 4.3** A student can apply for **on-line** registration, **only after** obtaining the ‘**written approval**’ from faculty advisor/counselor, which should be submitted to the college academic section through the Head of the Department. A copy of it shall be retained with the Head of the Department, Faculty Advisor/ Counselor and the student.
- 4.4** A student may be permitted to register for all the subjects/ courses in a semester as specified in the course structure with maximum additional subject(s)/course(s) limited to 6 Credits (any 2 elective subjects), based on **progress** and SGPA/ CGPA, and completion of the ‘**pre-requisites**’ as indicated for various subjects/ courses, in the department course structure and syllabus contents.
- 4.5** Choice for ‘**additional subjects/courses**’, not more than any 2 elective subjects in any Semester, must be clearly indicated, which needs the specific approval and signature of the Faculty Advisor/Mentor/HOD.
- 4.6** If the student submits ambiguous choices or multiple options or erroneous entries during **online** registration for the subject(s) / course(s) under a given/ specified course group/ category as listed in the course structure, only the first mentioned subject/ course in that category will be taken into consideration.
- 4.7** Subject/ course options exercised through **on-line** registration are final and **cannot** be changed or inter-changed; further, alternate choices also will not be considered. However, if the subject/ course that has already been listed for registration by the Head of the Department in a semester could not be offered due to any inevitable or unexpected reasons, then the student shall be allowed to have alternate choice either for

a new subject (subject to offering of such a subject), or for another existing subject (subject to availability of seats). Such alternate arrangements will be made by the Head of the Department, with due notification and time-framed schedule, within a **week** after the commencement of class-work for that semester.

4.8 Dropping of subjects/ courses may be permitted, only after obtaining prior approval from the faculty advisor/ counselor 'within a period of 15 days' from the beginning of the current semester.

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

4.10 Professional Electives: The students have to choose six Professional Electives (PE-I to VI) from the list of professional electives given.

5.0 Subjects/ courses to be offered

5.1 A subject/ course may be offered to the students, **only if** a minimum of 15 students opt for it.

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

5.3 If more entries for registration of a subject come into picture, then the Head of the Department concerned shall decide, whether or not to offer such a subject/ course for **two (or multiple) sections**.

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

6.0 Attendance requirements:

6.1 A student shall be eligible to appear for the semester end examinations, if the student acquires a minimum of 75% of attendance in aggregate of all the subjects/ courses (including attendance in mandatory courses like Environmental Science, Constitution of India, Intellectual Property Rights, and Gender Sensitization Lab) for that semester. **Two periods** of attendance for each theory subject shall be considered, if the student

appears for the mid-term examination of that subject. **This attendance should also be included in the attendance uploaded every fortnight in the University Website.**

- 6.2 Shortage of attendance in aggregate upto 10% (65% and above, and below 75%) in each semester may be condoned by the college academic committee on genuine and valid grounds, based on the student's representation with supporting evidence.
- 6.3 A stipulated fee shall be payable for condoning of shortage of attendance.
- 6.4 Shortage of attendance below 65% in aggregate shall in **NO** case be condoned.
- 6.5 **Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled,** including all academic credentials (internal marks etc.) of that semester. **They will not be promoted to the next semester.** They may seek re-registration for all those subjects registered in that semester in which the student is detained, by seeking re-admission into that semester as and when offered; if there are any professional electives and/ or open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the **same** set of elective subjects offered under that category.
- 6.6 A student fulfilling the attendance requirement in the present semester shall not be eligible for readmission into the same class.

7.0 Academic Requirements

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

- 7.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course, if student secures not less than 35% (14 marks out of 40 marks) in the Continuous Internal Evaluation (CIE), not less than 35% (21 marks out of 60 marks) in the semester end examinations (SEE), and a minimum of 40% (40 marks out of 100 marks) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing 'C' grade or above in that subject/ course.
- 7.2 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to Real-time Research Project (or) Field Based Research Project (or) Industry Oriented Mini Project (or) Internship (or) Seminar, if the student secures not less than 40% marks (i.e. 40 out of 100 allotted marks) in each of them. The student is deemed to have failed, if he (i) does not submit a report on Industry Oriented Mini Project/Internship, or (ii) not make a presentation of the same before the evaluation committee as per schedule, or (iii) secures less than 40% marks in Real-time Research Project (or) Field Based Research Project (or) Industry Oriented Mini Project (or) Internship evaluations.

A student may reappear once for each of the above evaluations, when they are scheduled again; if the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester, as and when it is scheduled.

7.3 Promotion Rules

S. No.	Promotion	Conditions to be fulfilled
1	First year first semester to first year second semester	Regular course of study of first year first semester.
2	First year second semester to Second year first semester	(i) Regular course of study of first year second semester. (ii) Must have secured at least 20 credits out of 40 credits i.e., 50% credits up to first year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3.	Second year first semester to Second year second semester	Regular course of study of second year first semester.
4	Second year second semester to Third year first semester	(i) Regular course of study of second year second semester. (ii) Must have secured at least 48 credits out of 80 credits i.e., 60% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Third year first semester to Third year second semester	Regular course of study of third year first semester.
6	Third year second semester to Fourth year first semester	(i) Regular course of study of third year second semester. (ii) Must have secured at least 72 credits out of 120 credits i.e., 60% credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
7	Fourth year first semester to Fourth year second semester	Regular course of study of fourth year first semester.

- 7.4** A student (i) shall register for all courses/subjects covering 160 credits as specified and listed in the course structure, (ii) fulfills all the attendance and academic requirements for 160 credits, (iii) earn all 160 credits by securing $SGPA \geq 5.0$ (in each semester), and $CGPA \geq 5$ (at the end of 8 semesters), (iv) **passes all the mandatory courses**, to successfully complete the undergraduate programme. The performance of the student in these 160 credits shall be considered for the calculation of the final CGPA (**at the end of undergraduate programme**), and shall be indicated in the grade card / marks memo of IV-year II semester.
- 7.5** If a student registers for '**extra subjects**' (in the parent department or other departments/branches of Engg.) other than those listed subjects totaling to 160 credits as specified in the course structure of his department, the performances in those '**extra subjects**' (although evaluated and graded using the same procedure as that of the required 160 credits) will not be considered while calculating the SGPA and CGPA. For such '**extra subjects**' registered, percentage of marks and letter grade alone will be indicated in the grade card / marks memo as a performance measure, subject to completion of the attendance and academic requirements as stated in regulations Items 6 and 7.1 – 7.4 above.
- 7.6** A student eligible to appear in the semester end examination for any subject/ course, but absent from it or failed (thereby failing to secure '**C**' grade or above) may reappear for that subject/ course in the supplementary examination as and when conducted. In such cases, internal marks (CIE) assessed earlier for that subject/ course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that subject.
- 7.7** A student **detained in a semester due to shortage of attendance may be re-admitted in the same semester in the next academic year for fulfillment of academic requirements**. The academic regulations under which a student has been re-admitted shall be applicable. Further, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which the student has been detained.
- 7.8** A student detained **due to lack of credits, shall be promoted to the next academic year only after acquiring the required number of academic credits**. The academic regulations under which the student has been readmitted shall be applicable to him.
- 8.0 Evaluation - Distribution and Weightage of Marks**
- 8.1** The performance of a student in every subject/course (including practicals and Project Stage – I & II) will be evaluated for 100 marks each, with 40 marks allotted for CIE (Continuous Internal Evaluation) and 60 marks for SEE (Semester End-Examination).
- 8.2** In CIE, for theory subjects, during a semester, there shall be two mid-term examinations. Each Mid-Term examination consists of two parts i) **Part – A** for 10 marks, ii) **Part – B** for 20 marks with a total duration of 2 hours as follows:

1. Mid Term Examination for 30 marks:
 - a. Part - A : Objective/quiz paper for 10 marks.
 - b. Part - B : Descriptive paper for 20 marks.

The objective/quiz paper is set with multiple choice, fill-in the blanks and match the following type of questions for a total of 10 marks. The descriptive paper shall contain 6 full questions out of which, the student has to answer 4 questions, each carrying 5 marks. The **average of the two Mid Term Examinations** shall be taken as the final marks for Mid Term Examination (for 30 marks).

The remaining 10 marks of Continuous Internal Evaluation are distributed as:

2. Assignment for 5 marks. (**Average of 2 Assignments** each for 5 marks)
3. Subject Viva-Voce/PPT/Poster Presentation/ Case Study on a topic in the concerned subject for 5 marks.

While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus.

Five (5) marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The average of the two assignments shall be taken as the final marks for assignment (for 5 marks).

Subject Viva-Voce/PPT/Poster Presentation/ Case Study on a topic in the subject concerned for 5 marks before II Mid-Term Examination.

- The Student, in each subject, shall have to earn 35% of marks (i.e. 14 marks out of 40 marks) in CIE, 35% of marks (i.e. 21 marks out of 60) in SEE and Over all 40% of marks (i.e. 40 marks out of 100 marks) both CIE and SEE marks put together.

The student is eligible to write Semester End Examination of the concerned subject, if the student scores $\geq 35\%$ (14 marks) of 40 Continuous Internal Examination (CIE) marks.

In case, the student appears for Semester End Examination (SEE) of the concerned subject but not scored minimum 35% of CIE marks (14 marks out of 40 internal marks), his performance in that subject in SEE shall stand cancelled inspite of appearing the SEE.

There is NO Computer Based Test (CBT) for R22 regulations.

The details of the end semester question paper pattern are as follows:

8.2.1 The semester end examinations (SEE), for theory subjects, will be conducted for 60 marks consisting of two parts viz. i) **Part- A** for 10 marks, ii) **Part - B** for 50 marks.

- Part-A is a compulsory question which consists of ten sub-questions from all units carrying equal marks.
- Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from each unit and may contain sub-questions. For each

question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

- The duration of Semester End Examination is 3 hours.

8.3 For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 40 marks and 60 marks for semester end examination. Out of the 40 marks for internal evaluation:

1. A write-up on day-to-day experiment in the laboratory (in terms of aim, components/procedure, expected outcome) which shall be evaluated for 10 marks
2. **10 marks for viva-voce** (or) tutorial (or) case study (or) application (or) poster presentation of the course concerned.
3. Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 10 marks.
4. The remaining 10 marks are for Laboratory Project, which consists of the Design (or) Software / Hardware Model Presentation (or) App Development (or) Prototype Presentation submission which shall be evaluated after completion of laboratory course and before semester end practical examination.

The Semester End Examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the cluster / other colleges which will be decided by the examination branch of the University.

In the Semester End Examination held for 3 hours, total 60 marks are divided and allocated as shown below:

1. 10 marks for write-up
 2. 15 for experiment/program
 3. 15 for evaluation of results
 4. 10 marks for presentation on another experiment/program in the same laboratory course and
 5. 10 marks for viva-voce on concerned laboratory course.
- The Student, in each subject, shall have to earn 35% of marks (i.e. 14 marks out of 40 marks) in CIE, 35% of marks (i.e. 21 marks out of 60) in SEE and Over all 40% of marks (i.e. 40 marks out of 100 marks) both CIE and SEE marks put together.

The student is eligible to write Semester End Examination of the concerned subject, if the student scores $\geq 35\%$ (14 marks) of 40 Continuous Internal Examination (CIE) marks.

In case, the student appears for Semester End Examination (SEE) of the concerned subject but not scored minimum 35% of CIE marks (14 marks out of 40 internal marks), his performance in that subject in SEE shall stand cancelled inspite of appearing the SEE.

8.4 The evaluation of courses having ONLY internal marks in I Year I Semester and II Year II Semester is as follows:

1. I Year I Semester course (*ex., Elements of CE/ME/EEE/ECE/CSE etc*): The internal evaluation is for 50 marks and it shall take place during I Mid-Term examination and II Mid-Term examination. The average marks of two Mid-Term examinations is the final for 50 marks. Student shall have to earn 40%, i.e 20 marks out of 50 marks from average of the two examinations. There shall be NO external evaluation. The student is deemed to have failed, if he (i) is absent as per schedule, or (ii) secures less than 40% marks in this course.
 2. II Year II Semester *Real-Time (or) Field-based Research Project* course: The internal evaluation is for 50 marks and it shall take place during I Mid-Term examination and II Mid-Term examination. The average marks of two Mid-Term examinations is the final for 50 marks. Student shall have to earn 40%, i.e 20 marks out of 50 marks from average of the two examinations. There shall be NO external evaluation. The student is deemed to have failed, if he (i) does not submit a report on the Project, or (ii) does not make a presentation of the same before the internal committee as per schedule, or (ii) secures less than 40% marks in this course.
- 8.5** There shall be an Industry training (or) Internship (or) Industry oriented Mini-project (or) Skill Development Courses (or) Paper presentation in reputed journal (or) Industry Oriented Mini Project in collaboration with an industry of their specialization. Students shall register for this immediately after II-Year II Semester Examinations and pursue it during summer vacation/semester break & during III Year without effecting regular course work. Internship at reputed organization (or) Skill development courses (or) Paper presentation in reputed journal (or) Industry Oriented Mini Project shall be submitted in a report form and presented before the committee in III-year II semester before end semester examination. It shall be evaluated for 100 external marks. The committee consists of an External Examiner, Head of the Department, Supervisor of the Industry Oriented Mini Project (or) Internship etc, Internal Supervisor and a Senior Faculty Member of the Department. There shall be **NO internal marks** for Industry Training (or) Internship (or) Mini-Project (or) Skill Development Courses (or) Paper Presentation in reputed journal (or) Industry Oriented Mini Project.
- 8.6** The UG project shall be initiated at the end of the IV Year I Semester and the duration of the project work is one semester. The student must present Project Stage – I during IV Year I Semester before II Mid examinations, in consultation with his Supervisor, the title, objective and plan of action of his Project work to the departmental committee for approval before commencement of IV Year II Semester. Only after obtaining the approval of the departmental committee, the student can start his project work.
- 8.7** UG project work shall be carried out in two stages: Project Stage – I for approval of project before Mid-II examinations in IV Year I Semester and Project Stage – II during IV Year II Semester. Student has to submit project work report at the end of IV Year II Semester. The project shall be evaluated for 100 marks before commencement of SEE Theory examinations.

- 8.8** For Project Stage – I, the departmental committee consisting of Head of the Department, project supervisor and a senior faculty member shall approve the project work to begin before II Mid-Term examination of IV Year I Semester. The student is deemed to be not eligible to register for the Project work, if he does not submit a report on Project Stage - I or does not make a presentation of the same before the evaluation committee as per schedule.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if he fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

- 8.9** For Project Stage – II, the external examiner shall evaluate the project work for 60 marks and the internal project committee shall evaluate it for 40 marks. Out of 40 internal marks, the departmental committee consisting of Head of the Department, Project Supervisor and a Senior Faculty Member shall evaluate the project work for 20 marks and Project Supervisor shall evaluate for 20 marks. The topics for Industry Oriented Mini Project/ Internship/SDC etc. and the main Project shall be different from the topic already taken. The student is deemed to have failed, if he (i) does not submit a report on the Project, or (ii) does not make a presentation of the same before the External Examiner as per schedule, or (iii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

For conducting viva-voce of project, University selects an external examiner from the list of experts in the relevant branch submitted by the Principal of the College.

A student who has failed, may reappear once for the above evaluation, when it is scheduled again; if student fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

- 8.10** A student shall be given only one time chance to re-register for a maximum of two subjects in a semester:

- If the internal marks secured by a student in the Continuous Internal Evaluation marks for 40 (Sum of average of two mid-term examinations consisting of Objective & descriptive parts, Average of two Assignments & Subject Viva-voce/PPT/ Poster presentation/ Case Study on a topic in the concerned subject) are less than 35% and failed in those subjects.

A student must re-register for the failed subject(s) for 40 marks within four weeks of commencement of the classwork in next academic year.

In the event of the student taking this chance, his Continuous Internal Evaluation marks for 40 and Semester End Examination marks for 60 obtained in the previous attempt stand cancelled.

9.0 Grading Procedure

- 9.1** Grades will be awarded to indicate the performance of students in each Theory Subject, Laboratory/Practicals/ Industry-Oriented Mini Project/Internship/SDC and Project

Stage. Based on the percentage of marks obtained (Continuous Internal Evaluation plus Semester End Examination, both taken together) as specified in item 8 above, a corresponding letter grade shall be given.

- 9.2** As a measure of the performance of a student, a 10-point absolute grading system using the following letter grades (as per UGC/AICTE guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
Greater than or equal to 90%	O (Outstanding)	10
80 and less than 90%	A ⁺ (Excellent)	9
70 and less than 80%	A (Very Good)	8
60 and less than 70%	B ⁺ (Good)	7
50 and less than 60%	B (Average)	6
40 and less than 50%	C (Pass)	5
Below 40%	F (FAIL)	0
Absent	Ab	0

- 9.3** A student who has obtained an ‘F’ grade in any subject shall be deemed to have ‘**failed**’ and is required to reappear as a ‘supplementary student’ in the semester end examination, as and when offered. In such cases, internal marks in those subjects will remain the same as those obtained earlier.
- 9.4** To a student who has not appeared for an examination in any subject, ‘Ab’ grade will be allocated in that subject, and he is deemed to have ‘**Failed**’. A student will be required to reappear as a ‘supplementary student’ in the semester end examination, as and when offered next. In this case also, the internal marks in those subjects will remain the same as those obtained earlier.
- 9.5** A letter grade does not indicate any specific percentage of marks secured by the student, but it indicates only the range of percentage of marks.
- 9.6** A student earns Grade Point (GP) in each subject/ course, on the basis of the letter grade secured in that subject/ course. The corresponding ‘Credit Points’ (CP) are computed by multiplying the grade point with credits for that particular subject/ course.

Credit Points (CP) = Grade Point (GP) x Credits For a course

- 9.7** A student passes the subject/ course only when **GP ≥ 5** (‘C’ grade or above)

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

$$SGPA = \{ \sum_{i=1}^N C_i G_i \} / \{ \sum_{i=1}^N C_i \} \dots \text{For each semester,}$$

where 'i' is the subject indicator index (considering all subjects in a semester), 'N' is the no. of subjects '**registered**' for the semester (as specifically required and listed under the course structure of the parent department), C_i is the no. of credits allotted to the i^{th} subject, and G_i represents the grade points (GP) corresponding to the letter grade awarded for that i^{th} subject.

- 9.9** The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student in all semesters considered for registration. The CGPA is the ratio of the total credit points secured by a student in **all** registered courses (of 160) in **all** semesters, and the total number of credits registered in **all** the semesters. CGPA is rounded off to **two** decimal places. CGPA is thus computed from the I year II semester onwards at the end of each semester as per the formula

$$CGPA = \{ \sum_{j=1}^M C_j G_j \} / \{ \sum_{j=1}^M C_j \} \dots \text{for all S semesters registered}$$

(i.e., up to and inclusive of S semesters, $S \geq 2$),

where '**M**' is the **total** no. of subjects (as specifically required and listed under the course structure of the parent department) the student has '**registered**' i.e., from the 1st semester onwards up to and inclusive of the 8th semester, 'j' is the subject indicator index (takes into account all subjects from 1 to 8 semesters), C_j is the no. of credits allotted to the j^{th} subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that j^{th} subject. After registration and completion of I year I semester, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA:

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	A	8	4 x 8 = 32
Course 2	4	O	10	4 x 10 = 40
Course 3	4	C	5	4 x 5 = 20
Course 4	3	B	6	3 x 6 = 18
Course 5	3	A+	9	3 x 9 = 27
Course 6	3	C	5	3 x 5 = 15
	21			152

$$SGPA = 152/21 = 7.24$$

Illustration of Calculation of CGPA up to 3rd Semester:

Semester	Course/ Subject Title	Credits Allotted	Letter Grade Secured	Corresponding Grade Point (GP)	Credit Points (CP)
I	Course 1	3	A	8	24
I	Course 2	3	O	10	30
I	Course 3	3	B	6	18
I	Course 4	4	A	8	32
I	Course 5	3	A+	9	27
I	Course 6	4	C	5	20
II	Course 7	4	B	6	24
II	Course 8	4	A	8	32
II	Course 9	3	C	5	15
II	Course 10	3	O	10	30
II	Course 11	3	B+	7	21
II	Course 12	4	B	6	24
II	Course 13	4	A	8	32
II	Course 14	3	O	10	30
III	Course 15	2	A	8	16
III	Course 16	1	C	5	5
III	Course 17	4	O	10	40
III	Course 18	3	B+	7	21
III	Course 19	4	B	6	24
III	Course 20	4	A	8	32
III	Course 21	3	B+	7	21
	Total Credits	69		Total Credit Points	518

$$\text{CGPA} = 518/69 = 7.51$$

The calculation process of CGPA illustrated above will be followed for each subsequent semester until 8th semester. The CGPA obtained at the end of 8th semester will become the final CGPA secured for entire B.Tech. programme.

- 9.10** For merit ranking or comparison purposes or any other listing, **only** the ‘**rounded off**’ values of the CGPAs will be used.
- 9.11** SGPA and CGPA of a semester will be mentioned in the semester Memorandum of Grades if all subjects of that semester are passed in first attempt. Otherwise the SGPA and CGPA shall be mentioned only on the Memorandum of Grades in which sitting he passed his last exam in that semester. However, mandatory courses will not be taken into consideration.
- 10.0 Passing Standards**
- 10.1** A student shall be declared successful or ‘passed’ in a semester, if he secures a $GP \geq 5$ (‘C’ grade or above) in every subject/course in that semester (i.e. when the student gets

an SGPA ≥ 5.0 at the end of that particular semester); and he shall be declared successful or 'passed' in the entire undergraduate programme, only when gets a CGPA ≥ 5.00 ('C' grade or above) for the award of the degree as required.

- 11.2** After the completion of each semester, a grade card or grade sheet shall be issued to all the registered students of that semester, indicating the letter grades and credits earned. It will show the details of the courses registered (course code, title, no. of credits, grade earned, etc.) and credits earned. **There is NO exemption of credits in any case.**

11.0 Declaration of results

- 11.1** Computation of SGPA and CGPA are done using the procedure listed in 9.6 to 9.9.
- 11.2** For final percentage of marks equivalent to the computed final CGPA, the following formula may be used.

$$\% \text{ of Marks} = (\text{final CGPA} - 0.5) \times 10$$

12.0 Award of Degree

- 12.1** A student who registers for all the specified subjects/ courses as listed in the course structure and secures the required number of 160 credits (with CGPA ≥ 5.0), within 8 academic years from the date of commencement of the first academic year, shall be declared to have '**qualified**' for the award of B.Tech. degree in the branch of Engineering selected at the time of admission.
- 12.2** A student who qualifies for the award of the degree as listed in item 12.1 shall be placed in the following classes.
- 12.3** A student with final CGPA (at the end of the undergraduate programme) > 8.00 , and fulfilling the following conditions - shall be placed in '**First Class with Distinction**'. However, he
- (i) Should have passed all the subjects/courses in '**First Appearance**' within the first 4 academic years (or 8 sequential semesters) from the date of commencement of first year first semester.
 - (ii) Should not have been detained or prevented from writing the semester end examinations in any semester due to shortage of attendance or any other reason.
- A student not fulfilling any of the above conditions with final CGPA > 8 shall be placed in '**First Class**'.
- 12.4** Students with final CGPA (at the end of the undergraduate programme) ≥ 7.0 but < 8.00 shall be placed in '**First Class**'.
- 12.5** Students with final CGPA (at the end of the undergraduate programme) ≥ 6.00 but < 7.00 , shall be placed in '**Second Class**'.

12.6 All other students who qualify for the award of the degree (as per item 12.1), with final CGPA (at the end of the undergraduate programme) ≥ 5.00 but < 6 , shall be placed in 'pass class'.

12.7 A student with final CGPA (at the end of the undergraduate programme) < 5.00 will not be eligible for the award of the degree.

12.8 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of 'Gold Medal'.

12.9 Award of 2-Year B.Tech. Diploma Certificate

1. A student is awarded 2-Year UG Diploma Certificate in the concerned engineering branch on completion of all the academic requirements and earned all the 80 credits (within 4 years from the date of admission) upto B.Tech. II Year II Semester, if the student want to exit the 4-Year B.Tech. program and *requests for the 2 -Year B. Tech. (UG) Diploma Certificate.*
2. The student **once opted and awarded 2-Year UG Diploma Certificate, the student will be permitted to join** in B. Tech. III Year I Semester and continue for completion of remaining years of study for 4-Year B. Tech. Degree ONLY in the next academic year along with next batch students. *However, if any student wishes to continue the study after opting for exit, he/she should register for the subjects/courses in III Year I Semester before commencement of classwork for that semester.*
3. *The students, who exit the 4-Year B. Tech. program after II Year of study and wish to re-join the B.Tech. program, must submit the 2 -Year B. Tech. (UG) Diploma Certificate awarded to him, subject to the eligibility for completion of Course/Degree.*
4. A student may be permitted to take one year break after completion of II Year II Semester or B. Tech. III Year II Semester (with university permission through the principal of the college well in advance) and can re-enter the course in **next Academic Year in the same college** and complete the course on fulfilling all the academic credentials within a stipulated duration i.e. double the duration of the course (Ex. within 8 Years for 4-Year program).

13.0 Withholding of results

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

14.0 Transitory Regulations

A. For students detained due to shortage of attendance:

1. A Student who has been detained in I year of R18 Regulations due to lack of attendance, shall be permitted to join I year I Semester of R22 Regulations and he is required to complete the study of B.Tech. programme within the stipulated period of eight academic years from the date of first admission in I Year.
2. A student who has been detained in any semester of II, III and IV years of R18 regulations for want of attendance, shall be permitted to join the corresponding semester of R22 Regulations and is required to complete the study of B.Tech. within the stipulated period of eight academic years from the date of first admission in I Year. The R22 Academic Regulations under which a student has been readmitted shall be applicable to that student from that semester. See rule (C) for further Transitory Regulations.

B. For students detained due to shortage of credits:

3. A student of R18 Regulations who has been detained due to lack of credits, shall be promoted to the next semester of R22 Regulations only after acquiring the required number of credits as per the corresponding regulations of his/her first admission. The total credits required are 160 including both R18 & R22 regulations. The student is required to complete the study of B.Tech. within the stipulated period of eight academic years from the year of first admission. The R22 Academic Regulations are applicable to a student from the year of readmission. See rule (C) for further Transitory Regulations.

C. For readmitted students in R22 Regulations:

4. A student who has failed in any subject under any regulation has to pass those subjects in the same regulations.
5. The maximum credits that a student acquires for the award of degree, shall be the sum of the total number of credits secured in all the regulations of his/her study including R22 Regulations. **There is NO exemption of credits in any case.**
6. If a student is readmitted to R22 Regulations and has any subject with 80% of syllabus common with his/her previous regulations, that particular subject in R22 Regulations will be substituted by another subject to be suggested by the University.

Note: If a student readmitted to R22 Regulations and has not studied any subjects/topics in his/her earlier regulations of study which is prerequisite for further subjects in R22 Regulations, the College Principals concerned shall conduct remedial classes to cover those subjects/topics for the benefit of the students.

15.0 Student Transfers

15.1 There shall be no branch transfers after the completion of admission process.

15.2 There shall be no transfers from one college/stream to another within the constituent colleges and units of Jawaharlal Nehru Technological University Hyderabad.

- 15.3** The students seeking transfer to colleges affiliated to JNTUH from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.
- 15.4** The transferred students from other Universities/Institutions to JNTUH affiliated colleges who are on rolls are to be provided one chance to write the CBT (for internal marks) in the **equivalent subject(s)** as per the clearance letter issued by the University.
- 15.5** The autonomous affiliated colleges have to provide one chance to write the internal examinations in the **equivalent subject(s)** to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.
- 16.0 Scope**
- 16.1** The academic regulations should be read as a whole, for the purpose of any interpretation.
- 16.2** In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 16.3** The University may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the dates notified by the University authorities.
- 16.4** Where the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.





JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS FOR B.TECH (LATERAL ENTRY SCHEME) FROM THE AY 2023-24

1. Eligibility for the award of B.Tech Degree (LES)

The LES students after securing admission shall pursue a course of study for not less than three academic years and not more than six academic years.

2. The student shall register for 120 credits and secure 120 credits with CGPA ≥ 5 from II year to IV-year B.Tech. programme (LES) for the award of B.Tech. degree.
3. The students, who fail to fulfil the requirement for the award of the degree in six academic years from the year of admission, shall forfeit their seat in B.Tech.
4. The attendance requirements of B. Tech. (Regular) shall be applicable to B.Tech. (LES).

5. Promotion rule

S. No	Promotion	Conditions to be fulfilled
1	Second year first semester to second year second semester	Regular course of study of second year first semester.
2	Second year second semester to third year first semester	(i) Regular course of study of second year second semester. (ii) Must have secured at least 24 credits out of 40 credits i.e., 60% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year first semester to third year second semester	Regular course of study of third year first semester.
4	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester. (ii) Must have secured at least 48 credits out of 80 credits i.e., 60% credits up to

		third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

- 6. All the other regulations as applicable to B. Tech. 4-year degree course (Regular) will hold good for B. Tech. (Lateral Entry Scheme).**
- 7. LES students are not eligible for 2-Year B. Tech. Diploma Certificate.**


Principal
**PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN**
 Chowdaryguda, Korremula (V),
 Ghatkesar (M), Medchal Dist, T S-500086

Malpractices Rules

Disciplinary Action For / Improper Conduct in Examinations

	Nature of Malpractices/Improper conduct	Punishment
	If the student:	
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 subject of the examination (theory or practical) in which student is appearing but has not made use of (material shall include any marks on the body of the student which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other student orally or by any other body language methods or communicates through cell phones with any student 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 students involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject of the examination (theory or practical) in which the student is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The hall ticket of the student is to be cancelled and sent to the University.
3.	Impersonates any other student in connection with the examination.	The student who has impersonated shall be expelled from examination hall. The student is also debarred and forfeits the seat. The performance of the original student who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive

		semesters from class work and all University examinations. The continuation of the course by the student 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 is registered against him.
4.	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student 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 subject.
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 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	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject and all other subjects the student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.

	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.	
7.	Leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
8.	Possesses any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.
9.	If student of the college, who is not a student 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 subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat. Person(s) who do not belong to the college will be handed over to the police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared for including practical examinations and project work and shall not be permitted for

		the remaining examinations of the subjects of that semester/year.
11.	Copying detected on the basis of internal evidence, such as, during valuation or during special scrutiny.	Cancellation of the performance in that subject and all other subjects the student has appeared for including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action to award a suitable punishment.	

Malpractices identified by squad or special invigilators

1. Punishments to the students as per the above guidelines.
2. Punishment for Institutions: (if the squad reports that the college is also involved in encouraging malpractices)
 - a. A show-cause notice shall be issued to the college.
 - b. Impose a suitable fine on the college.
 - c. Shifting the examination center from one college to another college for a specific period of not less than one year.

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Principal
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Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist, T S-500086



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS FOR B.TECH. REGULAR STUDENTS

WITH EFFECT FROM ACADEMIC YEAR 2018-19 (R-18)

1.0 Under-Graduate Degree Programme in Engineering & Technology (UGP in E&T)

Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers a 4-year (8 semesters) **Bachelor of Technology (B.Tech.)** degree programme, under Choice Based Credit System (CBCS) at its non-autonomous constituent and affiliated colleges with effect from the academic year 2018-19.

2.0 Eligibility for admission

2.1 Admission to the under graduate (UG) programme shall be made either on the basis of the merit rank obtained by the qualified student in entrance test conducted by the Telangana State Government (EAMCET) or the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the government from time to time.

2.2 The medium of instructions for the entire under graduate programme in Engineering & Technology will be **English** only.

3.0 B.Tech. Programme structure

3.1 A student after securing admission shall complete the B.Tech. programme in a minimum period of **four** academic years (8 semesters), and a maximum period of **eight** academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Tech course. Each student shall secure 160 credits (with CGPA ≥ 5) required for the completion of the under graduate programme and award of the B.Tech. degree.

3.2 UGC/ AICTE specified definitions/ descriptions are adopted appropriately for various terms and abbreviations used in these academic regulations/ norms, which are listed below.

3.2.1 Semester scheme

Each under graduate programme is of 4 academic years (8 semesters) with the academic year divided into two semesters of 22 weeks (≥ 90 instructional days) each, each semester having - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'

under Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) indicated by UGC, and curriculum/course structure as suggested by AICTE are followed.

3.2.2 Credit courses

All subjects/ courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/ course in an L: T: P: C (lecture periods: tutorial periods: practical periods: credits) structure based on the following general pattern.

- One credit for one hour/ week/ semester for theory/ lecture (L) courses or Tutorials.
- One credit for two hours/ week/ semester for laboratory/ practical (P) courses.

Courses like Environmental Science, Constitution of India, Intellectual Property Rights, and Gender Sensitization lab are mandatory courses. These courses will not carry any credits.

3.2.3 Subject Course Classification

All subjects/ courses offered for the under graduate programme in E&T (B.Tech. degree programmes) are broadly classified as follows. The University has followed almost all the guidelines issued by AICTE/UGC.

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Foundation Courses (FnC)	BS – Basic Sciences	Includes mathematics, physics and chemistry subjects
2		ES - Engineering Sciences	Includes fundamental engineering subjects
3		HS – Humanities and Social sciences	Includes subjects related to humanities, social sciences and management
4	Core Courses (CoC)	PC – Professional Core	Includes core subjects related to the parent discipline/ department/ branch of Engineering.
5	Elective Courses (ElC)	PE – Professional Electives	Includes elective subjects related to the parent discipline/ department/ branch of Engineering.
6		OE – Open Electives	Elective subjects which include inter-disciplinary subjects or subjects in an area outside the parent discipline/ department/ branch of Engineering.
7	Core Courses	Project Work	B.Tech. project or UG project or UG major project or Project Stage I & II
8		Industrial training/ Mini- project	Industrial training/ Summer Internship/ Industrial Oriented Mini-project/ Mini-project

9		Seminar	Seminar/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.
10	Minor courses	-	1 or 2 Credit courses (subset of HS)
11	Mandatory Courses (MC)	-	Mandatory courses (non-credit)

4.0 Course registration

- 4.1 A ‘faculty advisor or counselor’ shall be assigned to a group of 20 students, who will advise the students about the under graduate programme, its course structure and curriculum, choice/option for subjects/ courses, based on their competence, progress, pre-requisites and interest.
- 4.2 The academic section of the college invites ‘registration forms’ from students before the beginning of the semester through ‘on-line registration’, ensuring ‘date and time stamping’. The on-line registration requests for any ‘current semester’ shall be **completed before the commencement of SEEs (Semester End Examinations) of the ‘preceding semester’**.
- 4.3 A student can apply for **on-line** registration, **only after** obtaining the ‘**written approval**’ from faculty advisor/counselor, which should be submitted to the college academic section through the Head of the Department. A copy of it shall be retained with Head of the Department, faculty advisor/ counselor and the student.
- 4.4 A student may be permitted to register for all the subjects/ courses in a semester as specified in the course structure with maximum additional subject(s)/course(s) limited to 4 credits, based on **progress** and SGPA/ CGPA, and completion of the ‘**pre-requisites**’ as indicated for various subjects/ courses, in the department course structure and syllabus contents.
- 4.5 Choice for ‘**additional subjects/ courses**’ must be clearly indicated, which needs the specific approval and signature of the faculty advisor/ counselor.
- 4.6 If the student submits ambiguous choices or multiple options or erroneous entries during **on-line** registration for the subject(s) / course(s) under a given/ specified course group/ category as listed in the course structure, only the first mentioned subject/ course in that category will be taken into consideration.
- 4.7 Subject/ course options exercised through **on-line** registration are final and **cannot** be changed or inter-changed; further, alternate choices also will not be considered. However, if the subject/ course that has already been listed for registration by the Head of the Department in a semester could not be offered due to any unforeseen or unexpected reasons, then the student shall be allowed to have alternate choice either for a new subject (subject to offering of such a subject), or for another existing subject (subject to availability of seats). Such alternate arrangements will be made by the head of the

department, with due notification and time-framed schedule, within the **first week** after the commencement of class-work for that semester.

4.8 Dropping of subjects/ courses may be permitted, only after obtaining prior approval from the faculty advisor/ counselor 'within a period of 15 days' from the beginning of the current semester.

4.9 Open electives: The students have to choose three open electives (OE-I, II & III) from the list of open electives given. However, the student cannot opt for an open elective subject offered by his own (parent) department, if it is already listed under any category of the subjects offered by parent department in any semester.

4.10 Professional electives: The students have to choose six professional electives (PE-I to VI) from the list of professional electives given.

5.0 Subjects/ courses to be offered

5.1 A typical section (or class) strength for each semester shall be 60.

5.2 A subject/ course may be offered to the students, **only if** a minimum of 20 students (1/3 of the section strength) opt for it. The maximum strength of a section is limited to 80 (60 + 1/3 of the section strength).

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

5.4 If more entries for registration of a subject come into picture, then the Head of the Department concerned shall decide, whether or not to offer such a subject/ course for **two (or multiple) sections**.

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

6.0 Attendance requirements:

6.1 A student shall be eligible to appear for the semester end examinations, if the student acquires a minimum of 75% of attendance in aggregate of all the subjects/ courses (excluding attendance in mandatory courses like Environmental Science, Constitution of India, Intellectual Property Rights, and Gender Sensitization lab) for that semester. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. **This attendance should also be included in the fortnightly upload of attendance to the University.**

The attendance of Mandatory Non-Credit courses should be uploaded separately to the University.

- 6.2 Shortage of attendance in aggregate up to 10% (65% and above, and below 75%) in each semester may be condoned by the college academic committee on genuine and valid grounds, based on the student's representation with supporting evidence.
- 6.3 A stipulated fee shall be payable for condoning of shortage of attendance.
- 6.4 Shortage of attendance below 65% in aggregate shall in **no** case be condoned.
- 6.5 **Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester.** They may seek re-registration for all those subjects registered in that semester in which the student is detained, by seeking re-admission into that semester as and when offered; if there are any professional electives and/ or open electives, the same may also be re-registered if offered. However, if those electives are not offered in later semesters, then alternate electives may be chosen from the **same** set of elective subjects offered under that category.
- 6.6 A student fulfilling the attendance requirement in the present semester shall not be eligible for readmission into the same class.

7.0 Academic requirements

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

- 7.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/ course, if student secures not less than 35% (26 marks out of 75 marks) in the semester end examination, and a minimum of 40% (40 marks out of 100 marks) in the sum total of the CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of letter grades, this implies securing 'C' grade or above in that subject/ course.
- 7.2 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to Industrial Oriented Mini Project/Summer Internship and seminar, if the student secures not less than 40% marks (i.e. 40 out of 100 allotted marks) in each of them. The student is deemed to have failed, if he (i) does not submit a report on Industrial Oriented Mini Project/Summer Internship, or does not make a presentation of the same before the evaluation committee as per schedule, or (ii) does not present the seminar as required in the IV year I Semester, or (iii) secures less than 40% marks in Industrial Oriented Mini Project/Summer Internship and seminar evaluations.

A student may reappear once for each of the above evaluations, when they are scheduled again; if the student fails in such 'one reappearance' evaluation also, the student has to reappear for the same in the next subsequent semester, as and when it is scheduled.

7.3 Promotion Rules

S. No.	Promotion	Conditions to be fulfilled
1	First year first semester to first year second semester	Regular course of study of first year first semester.
2	First year second semester to second year first semester	(i) Regular course of study of first year second semester. (ii) Must have secured at least 18 credits out of 37 credits i.e., 50% credits up to first year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3.	Second year first semester to second year second semester	Regular course of study of second year first semester.
4	Second year second semester to third year first semester	(i) Regular course of study of second year second semester. (ii) Must have secured at least 47 credits out of 79 credits i.e., 60% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Third year first semester to third year second semester	Regular course of study of third year first semester.
6	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester. (ii) Must have secured at least 73 credits out of 123 credits i.e., 60% credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
7	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

- 7.4 A student (i) shall register for all courses/subjects covering 160 credits as specified and listed in the course structure, (ii) fulfills all the attendance and academic requirements for 160 credits, (iii) earn all 160 credits by securing SGPA ≥ 5.0 (in each semester), and CGPA (at the end of each successive semester) ≥ 5.0 , (iv) **passes all the mandatory courses**, to successfully complete the under graduate programme. The performance of the student in these 160 credits shall be taken into account for the calculation of 'the final CGPA (**at the end of under graduate programme**), and shall be indicated in the grade card of IV-year II semester.
- 7.5 If a student registers for '**extra subjects**' (in the parent department or other departments/branches of Engg.) other than those listed subjects totaling to 160 credits as specified in the course structure of his department, the performances in those '**extra subjects**' (although evaluated and graded using the same procedure as that of the required 160 credits) will not be taken into account while calculating the SGPA and CGPA. For such '**extra subjects**' registered, percentage of marks and letter grade alone will be indicated in the grade card as a performance measure, subject to completion of the attendance and academic requirements as stated in regulations 6 and 7.1 – 7.4 above.
- 7.6 A student eligible to appear in the semester end examination for any subject/ course, but absent from it or failed (thereby failing to secure '**C**' grade or above) may reappear for that subject/ course in the supplementary examination as and when conducted. In such cases, internal marks (CIE) assessed earlier for that subject/ course will be carried over, and added to the marks to be obtained in the SEE supplementary examination for evaluating performance in that subject.
- 7.7 A student **detained in a semester due to shortage of attendance may be re-admitted in the same semester in the next academic year for fulfillment of academic requirements**. The academic regulations under which a student has been readmitted shall be applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which the student has been detained.
- 7.8 A student detained **due to lack of credits, shall be promoted to the next academic year only after acquiring the required academic credits**. The academic regulations under which the student has been readmitted shall be applicable to him.
- 8.0 **Evaluation - Distribution and Weightage of marks**
- 8.1 The performance of a student in every subject/course (including practicals and Project Stage – I & II) will be evaluated for 100 marks each, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End-Examination).
- 8.2 For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of one objective paper, one descriptive paper and one assignment. The objective paper and the descriptive paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for descriptive paper). The objective paper is set with 20 multiple choice, fill-in the blanks and matching type of questions for a total of 10 marks. The descriptive paper shall contain 4 full questions out of which, the student has to answer 2 questions, each

carrying 5 marks. While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus. Five marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student in Continuous Internal Evaluation. If any student is absent from any subject of a mid-term examination, an on-line test will be conducted for him by the University. The details of the end semester question paper pattern are as follows:

8.2.1 The semester end examinations (SEE) will be conducted for 75 marks consisting of two parts viz. i) **Part- A** for 25 marks, ii) **Part - B** for 50 marks.

- Part-A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit and carry 2 marks each. The next five sub-questions are one from each unit and carry 3 marks each.
- Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

8.2.2 For subjects like **Engineering Graphics/Engineering Drawing**, the SEE shall consist of five questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions. There shall be no Part – A, and Part – B system.

8.2.3 For subjects like **Machine Drawing Practice/Machine Drawing**, the SEE shall be conducted for 75 marks consisting of two parts viz. (i) Part – A for 30 marks. 3 out of 4 questions must be answered, (ii) Part – B for 45 marks. Part – B is compulsory.

8.2.4 For the Subject **Estimation, Costing and Project Management**, the SEE paper should consist of Part- A, Part-B and Part C. (i) Part – A – 1 out of 2 questions from Unit – I for 30 Marks, (ii) Part – B – 1 out of 2 questions from Unit – II for 15 Marks, (iii) Part – C – 3 out of 5 questions from Units – III, IV, V for 30 Marks.

8.2.5 For subjects **Structural Engineering – I & II (RCC & STEEL)**, the SEE will be conducted for 75 marks consisting of 2 parts viz. (i) Part – A for 15 marks and, (i) Part – B for 60 marks. Part – A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit relating to design theory and codal provisions and carry 2 marks each. The next five sub-questions are from each unit and carry 1 mark each. Part – B consists of 5 questions (numbered 2 to 6) carrying 12 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there is either or choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

- 8.3** For practical subjects there shall be a continuous internal evaluation during the semester for 25 marks and 75 marks for semester end examination. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. The semester end examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.
- 8.4** For the subject having design and/or drawing, (such as engineering graphics, engineering drawing, machine drawing, machine drawing practice and estimation), the distribution shall be 25 marks for continuous internal evaluation (15 marks for day-to-day work and 10 marks for internal tests) and 75 marks for semester end examination. There shall be two internal tests in a semester and the average of the two shall be considered for the award of marks for internal tests.
- 8.5** There shall be an Industrial Oriented Mini Project/Summer Internship, in collaboration with an industry of their specialization. Students will register for this immediately after III year II semester examinations and pursue it during summer vacation. Industrial Oriented Mini Project/Summer Internship shall be submitted in a report form and presented before the committee in IV year I semester. It shall be evaluated for 100 external marks. The committee consists of an external examiner, Head of the Department, supervisor of the Industrial Oriented mini project/Summer Internship and a senior faculty member of the department. There shall be no internal marks for Industrial Oriented Mini Project/Summer Internship.
- 8.6** There shall be a seminar presentation in IV year I semester. For the seminar, the student shall collect the information on a specialized topic, prepare a technical report, and submit it to the department. It shall be evaluated by the departmental committee consisting of Head of the Department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 100 internal marks. There shall be no semester end examination for the seminar.
- 8.7** UG project work shall be carried out in two stages: Project Stage – I during IV Year I Semester, Project Stage – II during IV Year II Semester. Each stage will be evaluated for 100 marks. Student has to submit project work report at the end of each semester. First report includes project work carried out in IV Year I semester and second report includes project work carried out in IV Year I & II Semesters. SEE for both project stages shall be completed before the commencement of SEE Theory examinations.
- 8.8** For Project Stage – I, the departmental committee consisting of Head of the Department, project supervisor and a senior faculty member shall evaluate the project work for 75 marks and project supervisor shall evaluate for 25 marks. The student is deemed to have failed, if he (i) does not submit a report on Project Stage - I or does not make a presentation of the same before the evaluation committee as per schedule, or (ii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if he fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

- 8.9** For Project Stage – II, the external examiner shall evaluate the project work for 75 marks and the project supervisor shall evaluate it for 25 marks. The topics for industrial oriented mini project, seminar and Project Stage – I shall be different from one another. The student is deemed to have failed, if he (i) does not submit a report on Project Stage - II, or does not make a presentation of the same before the external examiner as per schedule, or (ii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

For conducting viva-voce of project stage – II, University selects an external examiner from the list of experts in the relevant branch submitted by the Principal of the College.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if student fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

- 8.10** The laboratory marks and the internal marks awarded by the college are subject to scrutiny and scaling by the University wherever necessary. In such cases, the internal and laboratory marks awarded by the college will be referred to a committee. The committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendations of the committee are final and binding. The laboratory records and internal test papers shall be preserved in the respective institutions as per the University rules and produced before the committees of the University as and when asked for.
- 8.11** For mandatory courses of Environmental Science, Constitution of India, Intellectual Property Rights, and Gender Sensitization lab, a student has to secure 40 marks out of 100 marks (i.e. 40% of the marks allotted) in the continuous internal evaluation for passing the subject/course. **These marks should also be uploaded along with the internal marks of other subjects.**
- 8.12** No marks or letter grades shall be allotted for mandatory/non-credit courses. Only Pass/Fail shall be indicated in Grade Card.

9.0 Grading procedure

- 9.1** Grades will be awarded to indicate the performance of students in each theory subject, laboratory / practicals, seminar, Industry Oriented Mini Project, and project Stage - I & II. Based on the percentage of marks obtained (Continuous Internal Evaluation plus Semester End Examination, both taken together) as specified in item 8 above, a corresponding letter grade shall be given.
- 9.2** As a measure of the performance of a student, a 10-point absolute grading system using the following letter grades (as per UGC/AICTE guidelines) and corresponding percentage of marks shall be followed:

% of Marks Secured in a Subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
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Greater than or equal to 90%	O (Outstanding)	10
80 and less than 90%	A⁺ (Excellent)	9
70 and less than 80%	A (Very Good)	8
60 and less than 70%	B⁺ (Good)	7
50 and less than 60%	B (Average)	6
40 and less than 50%	C (Pass)	5
Below 40%	F (FAIL)	0
Absent	Ab	0

- 9.3** A student who has obtained an ‘F’ grade in any subject shall be deemed to have ‘**failed**’ and is required to reappear as a ‘supplementary student’ in the semester end examination, as and when offered. In such cases, internal marks in those subjects will remain the same as those obtained earlier.
- 9.4** To a student who has not appeared for an examination in any subject, ‘**Ab**’ grade will be allocated in that subject, and he is deemed to have ‘**failed**’. A student will be required to reappear as a ‘supplementary student’ in the semester end examination, as and when offered next. In this case also, the internal marks in those subjects will remain the same as those obtained earlier.
- 9.5** A letter grade does not indicate any specific percentage of marks secured by the student, but it indicates only the range of percentage of marks.
- 9.6** A student earns grade point (GP) in each subject/ course, on the basis of the letter grade secured in that subject/ course. The corresponding ‘credit points’ (CP) are computed by multiplying the grade point with credits for that particular subject/ course.

Credit points (CP) = grade point (GP) x credits For a course

- 9.7** A student passes the subject/ course only when **GP ≥ 5 (‘C’ grade or above)**
- 9.8** The Semester Grade Point Average (SGPA) is calculated by dividing the sum of credit points (ΣCP) secured from all subjects/ courses registered in a semester, by the total number of credits registered during that semester. SGPA is rounded off to **two** decimal places. SGPA is thus computed as

$$\text{SGPA} = \{ \sum_{i=1}^N C_i G_i \} / \{ \sum_{i=1}^N C_i \} \dots \text{For each semester,}$$

where ‘i’ is the subject indicator index (takes into account all subjects in a semester), ‘N’ is the no. of subjects ‘**registered**’ for the semester (as specifically required and listed under the course structure of the parent department), C_i is the no. of credits

allotted to the i^{th} subject, and G_i represents the grade points (GP) corresponding to the letter grade awarded for that i^{th} subject.

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

$$\text{CGPA} = \{ \sum_{j=1}^M C_j G_j \} / \{ \sum_{j=1}^M C_j \} \dots \text{for all } S \text{ semesters registered}$$

(i.e., up to and inclusive of S semesters, $S \geq 2$),

where ‘ M ’ is the **total** no. of subjects (as specifically required and listed under the course structure of the parent department) the student has ‘**registered**’ i.e., from the 1st semester onwards up to and inclusive of the 8th semester, ‘ j ’ is the subject indicator index (takes into account all subjects from 1 to 8 semesters), C_j is the no. of credits allotted to the j^{th} subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that j^{th} subject. After registration and completion of I year I semester, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA:

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	A	8	$4 \times 8 = 32$
Course 2	4	O	10	$4 \times 10 = 40$
Course 3	4	C	5	$4 \times 5 = 20$
Course 4	3	B	6	$3 \times 6 = 18$
Course 5	3	A+	9	$3 \times 9 = 27$
Course 6	3	C	5	$3 \times 5 = 15$
	21			152

$$\text{SGPA} = 152/21 = 7.24$$

Illustration of calculation of CGPA up to 3rd semester:

Semester	Course/Subject Title	Credits Allotted	Letter Grade Secured	Corresponding Grade Point (GP)	Credit Points (CP)
I	Course 1	3	A	8	24
I	Course 2	3	O	10	30
I	Course 3	3	B	6	18
I	Course 4	4	A	8	32
I	Course 5	3	A+	9	27
I	Course 6	4	C	5	20

II	Course 7	4	B	6	24
II	Course 8	4	A	8	32
II	Course 9	3	C	5	15
II	Course 10	3	O	10	30
II	Course 11	3	B+	7	21
II	Course 12	4	B	6	24
II	Course 13	4	A	8	32
II	Course 14	3	O	10	30
III	Course 15	2	A	8	16
III	Course 16	1	C	5	5
III	Course 17	4	O	10	40
III	Course 18	3	B+	7	21
III	Course 19	4	B	6	24
III	Course 20	4	A	8	32
III	Course 21	3	B+	7	21
	Total Credits	69		Total Credit Points	518

$$\text{CGPA} = 518/69 = 7.51$$

The above illustrated calculation process of CGPA will be followed for each subsequent semester until 8th semester. The CGPA obtained at the end of 8th semester will become the final CGPA secured for entire B.Tech. Programme.

- 9.10** For merit ranking or comparison purposes or any other listing, **only the ‘rounded off’** values of the CGPAs will be used.
- 9.11** SGPA and CGPA of a semester will be mentioned in the semester Memorandum of Grades if all subjects of that semester are passed in first attempt. Otherwise the SGPA and CGPA shall be mentioned only on the Memorandum of Grades in which sitting he passed his last exam in that semester. However, mandatory courses will not be taken into consideration.


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 Ghatkesar (M), Medchal Dist, T S-500082

10.0 Passing standards

- 10.1 A student shall be declared successful or 'passed' in a semester, if he secures a GP ≥ 5 ('C' grade or above) in every subject/course in that semester (i.e. when the student gets an SGPA ≥ 5.00 at the end of that particular semester); and he shall be declared successful or 'passed' in the entire under graduate programme, only when gets a CGPA ≥ 5.00 for the award of the degree as required.
- 10.2 After the completion of each semester, a grade card or grade sheet shall be issued to all the registered students of that semester, indicating the letter grades and credits earned. It will show the details of the courses registered (course code, title, no. of credits, grade earned, etc.), credits earned.

11.0 Declaration of results

- 11.1 Computation of SGPA and CGPA are done using the procedure listed in 9.6 to 9.9.
- 11.2 For final percentage of marks equivalent to the computed final CGPA, the following formula may be used.

$$\% \text{ of Marks} = (\text{final CGPA} - 0.5) \times 10$$

12.0 Award of degree

- 12.1 A student who registers for all the specified subjects/ courses as listed in the course structure and secures the required number of 160 credits (with CGPA ≥ 5.0), within 8 academic years from the date of commencement of the first academic year, shall be declared to have '**qualified**' for the award of B.Tech. degree in the chosen branch of Engineering selected at the time of admission.
- 12.2 A student who qualifies for the award of the degree as listed in item 12.1 shall be placed in the following classes.
- 12.3 A student with final CGPA (at the end of the under graduate programme) ≥ 8.00 , and fulfilling the following conditions - shall be placed in '**first class with distinction**'. However, he
- (i) Should have passed all the subjects/courses in '**first appearance**' within the first 4 academic years (or 8 sequential semesters) from the date of commencement of first year first semester.
 - (ii) Should have secured a CGPA ≥ 8.00 , at the end of each of the 8 sequential semesters, starting from I year I semester onwards.
 - (iii) Should not have been detained or prevented from writing the semester end examinations in any semester due to shortage of attendance or any other reason.
- A student not fulfilling any of the above conditions with final CGPA > 8 shall be placed in '**first class**'.

- 12.4 Students with final CGPA (at the end of the under graduate programme) ≥ 6.50 but $<$

8.00 shall be placed in '**first class**'.

12.5 Students with final CGPA (at the end of the under graduate programme) ≥ 5.50 but < 6.50 , shall be placed in '**second class**'.

12.6 All other students who qualify for the award of the degree (as per item 12.1), with final CGPA (at the end of the under graduate programme) ≥ 5.00 but < 5.50 , shall be placed in '**pass class**'.

12.7 A student with final CGPA (at the end of the under graduate programme) < 5.00 will not be eligible for the award of the degree.

12.8 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of '**Gold Medal**'.

13.0 Withholding of results

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

14.0 Student transfers

14.1 There shall be no branch transfers after the completion of admission process.

14.2 There shall be no transfers from one college/stream to another within the constituent colleges and units of Jawaharlal Nehru Technological University Hyderabad.

14.3 The students seeking transfer to colleges affiliated to JNTUH from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.

14.4 The transferred students from other Universities/institutions to JNTUH affiliated colleges who are on rolls are to be provided one chance to write the CBT (internal marks) in the **equivalent subject(s)** as per the clearance letter issued by the University.

14.5 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the **equivalent subject(s)** to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.

15.0 Scope

15.1 The academic regulations should be read as a whole, for the purpose of any interpretation.

15.2 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.

- 15.3** The University may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the dates notified by the University authorities.
- 15.4** Where the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.



Principal

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Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist, T S-500086



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS FOR B.TECH. (LATERAL ENTRY SCHEME) FROM THE AY 2019-20

1. Eligibility for award of B. Tech. Degree (LES)

The LES students after securing admission shall pursue a course of study for not less than three academic years and not more than six academic years.

2. The student shall register for 123 credits and secure 123 credits with CGPA ≥ 5 from II year to IV year B.Tech. programme (LES) for the award of B.Tech. degree.
3. The students, who fail to fulfil the requirement for the award of the degree in six academic years from the year of admission, shall forfeit their seat in B.Tech.
4. The attendance requirements of B. Tech. (Regular) shall be applicable to B.Tech. (LES).

5. Promotion rule

S. No	Promotion	Conditions to be fulfilled
1	Second year first semester to second year second semester	Regular course of study of second year first semester.
2	Second year second semester to third year first semester	(i) Regular course of study of second year second semester. (ii) Must have secured at least 25 credits out of 42 credits i.e., 60% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year first semester to third year second semester	Regular course of study of third year first semester.
4	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester.

		(ii) Must have secured at least 51 credits out of 86 credits i.e., 60% credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
5	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

6. All the other regulations as applicable to B. Tech. 4-year degree course (Regular) will hold good for B. Tech. (Lateral Entry Scheme).

MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	If the student:	
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 subject of the examination (theory or practical) in which student is appearing but has not made use of (material shall include any marks on the body of the student which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other student orally or by any other body language methods or communicates through cell phones with any student 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 students involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted to

	of the examination (theory or practical) in which the student is appearing.	appear for the remaining examinations of the subjects of that semester/year. The hall ticket of the student is to be cancelled and sent to the University.
3.	Impersonates any other student in connection with the examination.	The student who has impersonated shall be expelled from examination hall. The student is also debarred and forfeits the seat. The performance of the original student who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student 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 is registered against him.
4.	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student 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 subject.
6.	Refuses to obey the orders of the chief superintendent/assistant – superintendent / any officer on duty or	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject

	<p>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 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.</p>	<p>and all other subjects the student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.</p>
7.	<p>Leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof inside or outside the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.</p>
8.	<p>Possesses any lethal weapon or firearm in the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.</p>

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

Malpractices identified by squad or special invigilators

1. Punishments to the students as per the above guidelines.
2. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
 - a. A show cause notice shall be issued to the college.
 - b. Impose a suitable fine on the college.
 - c. Shifting the examination centre from one college to another college for a specific period of not less than one year.

* * * * *

PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi & Affiliated to JNTU Hyderabad)



Chowdaryguda (V), Ghatkesar (M), Medchal-Malkajgiri (D).TS-500088

Phone: 9394544566 / 6305324412

e-mail: princeton.principal2020@gmail.com

JNTUH Code (6M)

CSE – CIVIL – ECE – EEE

EAMCET Code- PETW

2. Sample copy of Evaluation Schemes

Evaluation Schemes:

R-22 Regulation:

Students admitted from Academic Year 2022-2023

Evaluation - Distribution and Weightage of Marks

The performance of a student in every subject/course (including practicals and Project Stage – I & II) will be evaluated for 100 marks each, with 40 marks allotted for CIE (Continuous Internal Evaluation) and 60 marks for SEE (Semester End-Examination).

Internal (Theory Subjects) Examinations:

Distribution and Weightage of Marks:-

In CIE, for theory subjects, during a semester, there shall be two mid-term examinations. Each Mid-Term examination consists of two parts

- i) **Part – A** for 10 marks,
- ii) **Part – B** for 20 marks with a total duration of 2 hours as follows:

1. Mid Term Examination for 30 marks:

- a. Part - A: Objective/quiz paper for 10 marks.
- b. Part - B: Descriptive paper for 20 marks.

The objective/quiz paper is set with multiple choice, fill-in the blanks and match the following type of questions for a total of 10 marks. The descriptive paper shall contain 6 full questions out of which, the student has to answer 4 questions, each carrying 5 marks. The **average of the two Mid Term Examinations** shall be taken as the final marks for Mid Term Examination (for 30 marks).

The remaining 10 marks of Continuous Internal Evaluation are distributed as:

2. Assignment for 5 marks. (**Average of 2 Assignments** each for 5 marks)

3. Subject Viva-Voce/PPT/Poster Presentation/ Case Study on a topic in the concerned subject for 5 marks. While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus. Five (5) marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The average of the two assignments shall be taken as the final marks for assignment (for 5 marks).

Subject Viva-Voce/PPT/Poster Presentation/ Case Study on a topic in the subject concerned for 5 marks before II Mid-Term Examination.

The Student, in each subject, shall have to earn 35% of marks (i.e. 14 marks out of 40 marks) in CIE, 35% of marks (i.e. 21 marks out of 60) in SEE and overall 40% of marks (i.e. 40 marks out of 100 marks) both CIE and SEE marks put together.

The student is eligible to write Semester End Examination of the concerned subject, if the student scores $\geq 35\%$ (14 marks) of 40 Continuous Internal Examination (CIE) marks.

In case, the student appears for Semester End Examination (SEE) of the concerned subject but not scored minimum 35% of CIE marks (14 marks out of 40 internal marks), his performance in that subject in SEE shall stand cancelled inspite of appearing the SEE.

There is NO Computer Based Test (CBT) for R22 regulations.

External (Theory Subjects) Examinations:

Distribution and Weightage of Marks:-

The details of the end semester question paper pattern are as follows:

The semester end examinations (SEE), for theory subjects, will be conducted for 60 marks consisting of two parts viz.

- i) **Part- A** for 10 marks,
- ii) **Part - B** for 50 marks.

Part-A is a compulsory question which consists of ten sub-questions from all units carrying equal marks.

Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from each unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

The duration of Semester End Examination is 3 hours.

Internal & External (Practical Subjects) Examinations:

Distribution and Weightage of Marks:-

For practical subjects there shall be a Continuous Internal Evaluation (CIE) during the semester for 40 marks and 60 marks for semester end examination. Out of the 40 marks for internal evaluation:

1. A write-up on day-to-day experiment in the laboratory (in terms of aim, components/procedure, expected outcome) which shall be evaluated for 10 marks
2. **10 marks for viva-voce** (or) tutorial (or) case study (or) application (or) poster presentation of the course concerned.
3. Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 10 marks.
4. The remaining 10 marks are for Laboratory Project, which consists of the Design (or) Software / Hardware Model Presentation (or) App Development (or) Prototype Presentation submission which shall be evaluated after completion of laboratory course and before semester end practical examination.

The Semester End Examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the cluster / other colleges which will be decided by the examination branch of the University. In the Semester End Examination held for 3 hours, total 60 marks are divided and allocated as shown below:

1. 10 marks for write-up
2. 15 for experiment/program
3. 15 for evaluation of results
4. 10 marks for presentation on another experiment/program in the same laboratory course and
5. 10 marks for viva-voce on concerned laboratory course.

The Student, in each subject, shall have to earn 35% of marks (i.e. 14 marks out of 40 marks) in CIE, 35% of marks (i.e. 21 marks out of 60) in SEE and overall 40% of marks (i.e. 40 marks out of 100 marks) both CIE and SEE marks put together.

The student is eligible to write Semester End Examination of the concerned subject, if the student scores $\geq 35\%$ (14 marks) of 40 Continuous Internal Examination (CIE) marks.

In case, the student appears for Semester End Examination (SEE) of the concerned subject but not scored minimum 35% of CIE marks (14 marks out of 40 internal marks), his performance in that subject in SEE shall stand cancelled inspite of appearing the SEE.

Internal & External (Projects) Viva Voce:

Distribution and Weightage of Marks:-

The evaluation of courses having ONLY internal marks in I Year I Semester and II Year II Semester is as follows:

1. I Year I Semester course (*ex., Elements of CE/ME/EEE/ECE/CSE etc*): The internal evaluation is for 50 marks and it shall take place during I Mid-Term examination and II Mid-Term examination. The average marks of two Mid-Term examinations are the final for 50 marks. Student shall have to earn 40%, i.e. 20 marks out of 50 marks from average of the two examinations. There shall be NO external evaluation. The student is deemed to have failed, if he (i) is absent as per schedule, or (ii) secures less than 40% marks in this course.

II Year II Semester *Real-Time (or) Field-based Research Project* course: The internal evaluation is for 50 marks and it shall take place during I Mid-Term examination and II Mid-Term examination. The average marks of two Mid-Term examinations are the final for 50 marks. Student shall have to earn 40%, i.e. 20 marks out of 50 marks from average of the two examinations. There shall be NO external evaluation. The student is deemed to have failed, if he (i) does not submit a report on the Project, or (ii) does not make a presentation of the same before the internal committee as per schedule, or (ii) secures less than 40% marks in this course.

There shall be Industry training (or) Internship (or) Industry oriented Mini-project (or) Skill Development Courses (or) Paper presentation in reputed journal (or) Industry Oriented Mini Project in collaboration with an industry of their specialization. Students shall register for this immediately after II-Year II Semester Examinations and pursue it during summer vacation/semester break & during III Year without effecting regular course work. Internship at reputed organization (or) Skill development courses (or) Paper presentation in reputed journal (or) Industry Oriented Mini Project shall be submitted in a report form and presented before the committee in III-year II semester before end semester examination. It shall be evaluated for 100 external marks. The committee consists of an External Examiner, Head of the Department, Supervisor of the Industry Oriented Mini Project (or) Internship etc, Internal Supervisor and a Senior Faculty Member of the Department. There shall be **NO internal marks** for Industry Training (or) Internship (or) Mini-Project (or) Skill Development Courses (or) Paper Presentation in reputed journal (or) Industry Oriented Mini Project.

The UG project shall be initiated at the end of the IV Year I Semester and the duration of the project work is one semester. The student must present Project Stage – I during IV Year I Semester before II Mid examinations, in consultation with his Supervisor, the title, objective and plan of action of his Project work to the departmental committee for approval before commencement of IV Year II Semester. Only after obtaining the approval of the departmental committee, the student can start his project work.

UG project work shall be carried out in two stages: Project Stage – I for approval of project before Mid-II examinations in IV Year I Semester and Project Stage – II during IV Year II Semester. Student has to submit project work report at the end of IV Year II Semester. The project shall be evaluated for 100 marks before commencement of SEE Theory examinations.

For Project Stage – I, the departmental committee consisting of Head of the Department, project supervisor and a senior faculty member shall approve the project work to begin before II Mid-Term examination of IV Year I Semester. The student is deemed to be not eligible to register for the Project work, if he does not submit a report on Project Stage - I or does not make a presentation of the same before the evaluation committee as per schedule.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if he fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

For Project Stage – II, the external examiner shall evaluate the project work for 60 marks and the internal project committee shall evaluate it for 40 marks. Out of 40 internal marks, the departmental committee consisting of Head of the Department, Project Supervisor and a Senior Faculty Member shall evaluate the project work for 20 marks and Project Supervisor shall evaluate for 20 marks. The topics for Industry Oriented Mini Project/ Internship/SDC etc. and the main Project shall be different from the topic already taken. The student is deemed to have failed, if he (i) does not submit a report on the Project, or (ii) does not make a presentation of the same before the External Examiner as per schedule, or (iii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

For conducting viva-voce of project, University selects an external examiner from the list of experts in the relevant branch submitted by the Principal of the College.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if student fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

One time chance for External Examinations:

A student shall be given only one time chance to re-register for a maximum of two subjects in a semester:

If the internal marks secured by a student in the Continuous Internal Evaluation marks for 40 (Sum of average of two mid-term examinations consisting of Objective & descriptive parts, Average of two Assignments & Subject Vivavoce/ PPT/ Poster presentation/ Case Study on a topic in the concerned subject) are less than 35% and failed in those subjects. A student must re-register for the failed subject(s) for 40 marks within four weeks of commencement of the class work in next academic year. In the event of the student taking this chance, his Continuous Internal Evaluation marks for 40 and Semester End Examination marks for 60 obtained in the previous attempt stand cancelled.

R-18 Regulation:

Students admitted from Academic Year 2018-2019

Evaluation - Distribution and Weightage of Marks

The performance of a student in every subject/course (including practicals and Project Stage – I & II) will be evaluated for 100 marks each, with 25 marks allotted for CIE (Continuous Internal Evaluation) and 75 marks for SEE (Semester End-Examination).

Internal (Theory Subjects) Examinations:

Distribution and Weightage of Marks:-

For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of one objective paper, one descriptive paper and one assignment. The objective paper and the descriptive paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for descriptive paper). The objective paper is set with 20 multiple choice, fill-in the blanks and matching type of questions for a total of 10 marks. The descriptive paper shall contain 4 full questions out of which, the student has to answer 2 questions, each carrying 5 marks. While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus.

Five marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student in Continuous Internal Evaluation. If any student is absent from any subject of a mid-term examination, an on-line test will be conducted for him by the University. The details of the end semester question paper pattern are as follows:

External (Theory Subjects) Examinations:

Distribution and Weightage of Marks:-

The semester end examinations (SEE) will be conducted for 75 marks consisting of two parts viz. i) Part- A for 25 marks, ii) Part - B for 50 marks.

- i. Part-A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit and carry 2 marks each. The next five sub questions are one from each unit and carry 3 marks each.
- ii. Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

Internal & External (Engineering Graphics):

Distribution and Weightage of Marks:-

The SEE shall consist of five questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions. There shall be no Part – A, and Part – B system.

Internal & External (Estimation, Costing and Project Management):

Distribution and Weightage of Marks:-

The SEE paper should consist of Part- A, Part-B and Part C.

- (i) Part – A – 1 out of 2 questions from Unit – I for 30 Marks,
- (ii) Part – B – 1 out of 2 questions from Unit – II for 15 Marks,
- (iii) Part – C – 3 out of 5 questions from Units – III, IV, and V for 30 Marks.

Internal & External (Structural Engineering – I & II (RCC & STEEL):

Distribution and Weightage of Marks:-

The SEE will be conducted for 75 marks consisting of 2 parts viz.

- (i) Part – A for 15 marks and,
- (ii) Part – B for 60 marks.

Part – A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit relating to design theory and codal provisions and carry 2 marks each. The next five sub-questions are from each unit and carry 1 mark each.

Part – B consists of 5 questions (numbered 2 to 6) carrying 12 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there is either or choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

Internal & External (Practical Subjects) Examinations: Distribution and Weightage of Marks:-

For practical subjects there shall be a continuous internal evaluation during the semester for 25 marks and 75 marks for semester end examination. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. The semester end examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.

For the subject having design and/or drawing, (such as engineering graphics, engineering drawing, machine drawing, machine drawing practice and estimation), the distribution shall be 25 marks for continuous internal evaluation (15 marks for day-to-day work and 10 marks for internal tests) and 75 marks for semester end examination. There shall be two internal tests in a semester and the average of the two shall be considered for the award of marks for internal tests.

Internal & External (Projects) Viva Voce: Distribution and Weightage of Marks:-

There shall be an Industrial Oriented Mini Project/Summer Internship, in collaboration with an industry of their specialization. Students will register for this immediately after III year II semester examinations and pursue it during summer vacation. Industrial Oriented Mini Project/Summer Internship shall be submitted in a report form and presented before the committee in IV year I semester. It shall be evaluated for 100 external marks. The committee consists of an external examiner; Head of the Department, supervisor of the Industrial Oriented mini project/Summer Internship and a senior faculty member of the department. There shall be no internal marks for Industrial Oriented Mini Project/Summer Internship.

There shall be a seminar presentation in IV year I semester. For the seminar, the student shall collect the information on a specialized topic, prepare a technical report, and submit it to the department. It shall be evaluated by the departmental committee consisting of Head of the Department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 100 internal marks. There shall be no semester end examination for the seminar.

UG project work shall be carried out in two stages: Project Stage – I during IV Year I Semester, Project Stage – II during IV Year II Semester. Each stage will be evaluated for 100 marks. Student has to submit project work report at the end of each semester. First report includes project work carried out in IV Year I semester and second report includes project work carried out in IV Year I & II Semesters. SEE for both project stages shall be completed before the commencement of SEE Theory examinations.

For Project Stage – I, the departmental committee consisting of Head of the Department, project supervisor and a senior faculty member shall evaluate the project work for 75 marks and project supervisor shall evaluate for 25 marks. The student is deemed to have failed, if he (i) does not submit a report on Project Stage - I or does not make a presentation of the same before the evaluation committee as per schedule, or (ii) secures less than 40% marks in the sum total of the CIE and SEE taken together.

A student who has failed may reappear once for the above evaluation, when it is scheduled again; if he fails in such 'one reappearance' evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

For Project Stage – II, the external examiner shall evaluate the project work for 75 marks and the project supervisor shall evaluate it for 25 marks. The topics for industrial oriented mini project,

seminar and Project Stage – I shall be different from one another. The student is deemed to have failed, if he (i) does not submit a report on Project Stage - II, or does not make a presentation of the same before the external examiner as per schedule, or (ii) secures less than 40% marks in the sum total of the CIE and SEE taken together. For conducting viva-voce of project stage – II, University selects an external examiner from the list of experts in the relevant branch submitted by the Principal of the College. A student who has failed may reappear once for the above evaluation, when it is scheduled again; if student fails in such ‘one reappearance’ evaluation also, he has to reappear for the same in the next subsequent semester, as and when it is scheduled.

Internal & External (mandatory courses):

Distribution and Weightage of Marks:-

For mandatory courses of Environmental Science, Constitution of India, Intellectual Property Rights, and Gender Sensitization lab, a student has to secure 40 marks out of 100 marks (i.e. 40% of the marks allotted) in the continuous internal evaluation for passing the subject/course. These marks should also be uploaded along with the internal marks of other subjects.

No marks or letter grades shall be allotted for mandatory/non-credit courses. Only Pass/Fail shall be indicated in Grade Card.



Principal
PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist, T S-500086

3. Sample Academic Calender

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

B.Tech. I YEAR I & II SEMESTERS

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork (including Induction programme)	03.11.2022	
2	1 st Spell of Instructions	03.11.2022	28.12.2022 (8 Weeks)
3	First Mid Term Examinations	29.12.2022	04.01.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	10.01.2023	
5	2 nd Spell of Instructions	05.01.2023	02.03.2023 (8 Weeks)
6	Second Mid Term Examinations	03.03.2023	09.03.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	10.03.2023	16.03.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	16.03.2023	
9	End Semester Examinations	17.03.2023	01.04.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 91

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	03.04.2023	
2	1 st Spell of Instructions (including Summer Vacation)	03.04.2023	10.06.2023 (10 Weeks)
	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
3	First Mid Term Examinations	12.06.2023	17.06.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	23.06.2023	
5	2 nd Spell of Instructions	19.06.2023	12.08.2023 (8 Weeks)
6	Second Mid Term Examinations	14.08.2023	19.08.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	21.08.2023	26.08.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	26.08.2023	
9	End Semester Examinations	28.08.2023	09.09.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 90


22/10/22

REGISTRAR


Principal

PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist, TS-500086

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

B. Tech./B. Pharm. IV YEAR I & II SEMESTERS

I SEM

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	29.08.2022	
2	1 st Spell of Instructions (including Dussehra Recess)	29.08.2022	31.10.2022 (9 Weeks)
3	Dussehra Recess	03.10.2022	08.10.2022 (1 Week)
4	First Mid Term Examinations	01.11.2022	07.11.2022 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	12.11.2022	
6	2 nd Spell of Instructions	09.11.2022	03.01.2023 (8 Weeks)
7	Second Mid Term Examinations	04.01.2023	10.01.2023 (1 Week)
8	Preparation Holidays and Practical Examinations	11.01.2023	19.01.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	17.01.2023	
10	End Semester Examinations	20.01.2023	02.02.2023 (2 Weeks)

Note: No. of Working/instructional days: 94

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	03.02.2023	
2	1 st Spell of Instructions	03.02.2023	31.03.2023 (8 Weeks)
3	First Mid Term Examinations	01.04.2023	08.04.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	15.04.2023	
5	2 nd Spell of Instructions	10.04.2023	17.06.2023 (10 Weeks)
6	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
7	Second Mid Term Examinations	19.06.2023	24.06.2023 (1 Week)
8	Preparation Holidays and Practical Examinations	26.06.2023	01.07.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	01.07.2023	
10	End Semester Examinations	03.07.2023	15.07.2023 (2 Weeks)

Note: No. of Working/ instructional days: 91


REGISTRAR

4. Sample Internal Exam Timetable

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY, HYDERABAD – 500085

E X A M I N A T I O N B R A N C H E C M

I YEAR B.TECH I SEMESTER – R22 REGULATIONS I - MID TERM EXAMINATIONS DECEMBER-2022 /JANUARY-2023

REVISED TIME TABLE

TIME → FN: 10.00 AM TO 12.00 Noon


BRANCH	DATE AND DAY			
	29-12-2022 THURSDAY	30-12-2022 FRIDAY	31-12-2022 SATURDAY	02-01-2023 MONDAY
COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (66-CSE(AI&ML))	Matrices and Calculus	Applied Physics	Programming for Problem Solving	English for Skill Enhancement
COMPUTER SCIENCE AND ENGINEERING (DATASCIENCE) (67-CSE(DS))	Matrices and Calculus	Engineering Chemistry	Programming for Problem Solving	Basic Electrical Engineering
COMPUTER SCIENCE AND ENGINEERING (IOT) (69-CSE(IOT))	Matrices and Calculus	Applied Physics	Programming for Problem Solving	English for Skill Enhancement
COMPUTER SCIENCE AND ENGINEERING (NETWORKS) (70-CSE(NETWORKS))	Matrices and Calculus	Engineering Chemistry	Programming for Problem Solving	Basic Electrical Engineering
TEXTILE ENGINEERING (71-TTE)	Matrices and Calculus	Applied Physics	C Programming and Data Structures	English for Skill Enhancement

DATE: 23-12-2022

Sd/-
CONTROLLER OF EXAMINATIONS

NOTE:

- i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- iii) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE QUESTION PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R22 REGULATION


Principal
**PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN**
 Chowdaryguda, Korremula (V),
 Ghatkesar (M), Medchal Dist, T S-500086

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 5000 85

EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION II - MID TERM EXAMINATIONS JANUARY-2023

TIMETABLE

TIME→ FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBJECTIVE EXAM:12.40 PM TO 1.00 PM)
AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE EXAM: 3.40 PM TO 04. 40 PM, OBJECTIVE EXAM: 4.40 PM TO 05.00 PM)

BRANCH	04-01-2023 FN WEDNESDAY	04-01-2023 AN WEDNESDAY	05-01-2023 FN THURSDAY	05-01-2023 AN THURSDAY	06-01-2023 FN FRIDAY
CIVIL ENGINEERING (01-CE)	Estimation, Costing and Project Management	Professional Practice law & Ethics	E3	E4	OE2
			Remote Sensing & GIS	Irrigation and Hydraulic Structures	Data Structures
			Advanced Structural Design	Pipeline Engineering	Artificial Intelligence
			Ground Improvement Techniques	Ground Water Hydrology	Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Natural Gas Engineering
					Engineering Materials
					Surface Engineering
					Health & Safety in Mines
					Material Handling in Mines

Date: 24-12-2022

Sd/-
CONTROLLER OF

- Note: (i) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMI
(ii) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS
(iii) READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TA]
SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM
ACADEMIC & PLANNING.
(iv) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE QUESTION PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN


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(Approved by AICTE, New Delhi & Affiliated to JNTU Hyderabad)

Chowdaryguda (V), Ghatkesar (M), Medchal-Malkajgiri (D).TS-500088

Phone: 9394544566 / 6305324412

e-mail: princeton.principal2020@gmail.com

JNTUH Code (6M)

CSE - CIVIL - ECE - EEE

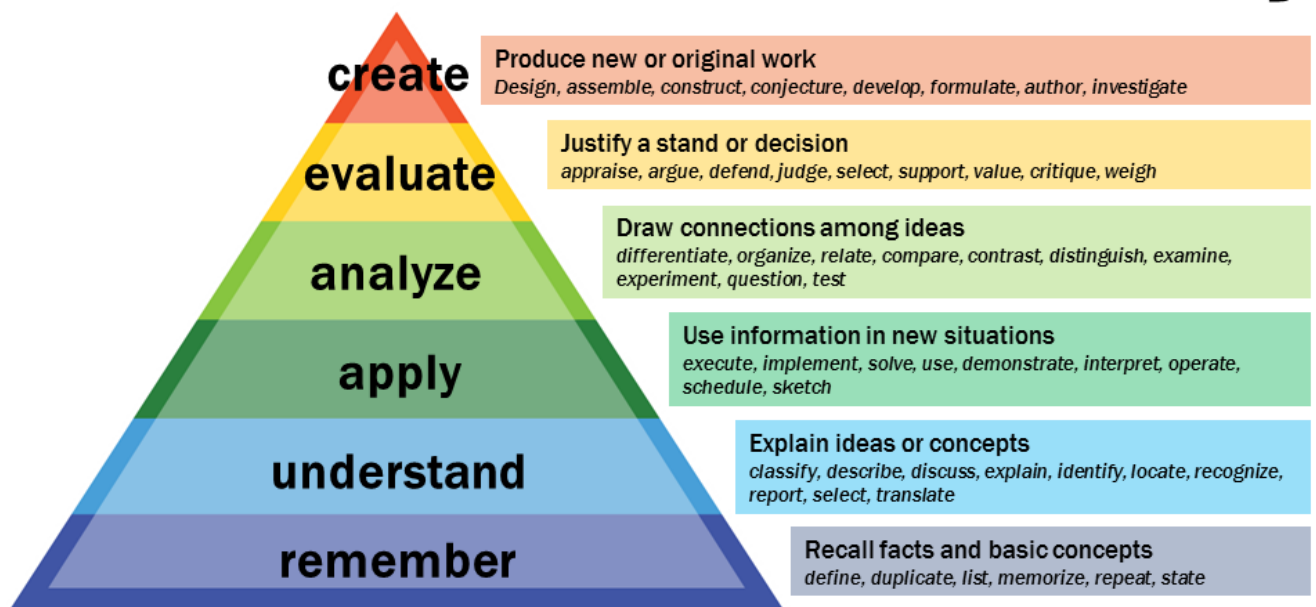
EAMCET Code- PETW

BLOOM'S TAXONOMY

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Bloom's Taxonomy



1

Definitions	I. Remembering	II. Understanding	III. Applying	IV. Analyzing	V. Evaluating	VI. Creating
Bloom's Definition	Exhibit memory of previously learned material by recalling facts, terms, basic concepts, and answers.	Demonstrate understanding of facts and ideas by organizing, comparing, translating, interpreting, giving descriptions, and stating main ideas.	Solve problems to new situations by applying acquired knowledge, facts, techniques and rules in a different way.	Examine and break information into parts by identifying motives or causes. Make inferences and find evidence to support generalizations.	Present and defend opinions by making judgments about information, validity of ideas, or quality of work based on a set of criteria.	Compile information together in a different way by combining elements in a new pattern or proposing alternative solutions.
Verbs	<ul style="list-style-type: none"> Choose Define Find How Label List Match Name Omit Recall Relate Select Show Spell Tell What When Where Which Who Why 	<ul style="list-style-type: none"> Classify Compare Contrast Demonstrate Explain Extend Illustrate Infer Interpret Outline Relate Rephrase Show Summarize Translate 	<ul style="list-style-type: none"> Apply Build Choose Construct Develop Experiment with Identify Interview Make use of Model Organize Plan Select Solve Utilize 	<ul style="list-style-type: none"> Analyze Assume Categorize Classify Compare Conclusion Contrast Discover Dissect Distinguish Divide Examine Function Inference Inspect List Motive Relationships Simplify Survey Take part in Test for Theme 	<ul style="list-style-type: none"> Agree Appraise Assess Award Choose Compare Conclude Criteria Criticize Decide Deduct Defend Determine Disprove Estimate Evaluate Explain Importance Influence Interpret Judge Justify Mark Measure Opinion Perceive Prioritize Prove Rate Recommend Rule on Select Support Value 	<ul style="list-style-type: none"> Adapt Build Change Choose Combine Compile Compose Construct Create Delete Design Develop Discuss Elaborate Estimate Formulate Happen Imagine Improve Invent Make up Maximize Minimize Modify Original Originate Plan Predict Propose Solution Solve Suppose Test Theory

The Revised Taxonomy (2001)

A group of cognitive psychologists, curriculum theorists and instructional researchers, and testing and assessment specialists published in 2001 a revision of Bloom's Taxonomy with the title A Taxonomy for Teaching, Learning, and Assessment. This title draws attention away from the somewhat static notion of "educational objectives" (in Bloom's original title) and points to a more dynamic conception of classification.

The authors of the revised taxonomy underscore this dynamism, using verbs and gerunds to label their categories and subcategories (rather than the nouns of the original taxonomy). These "action words" describe the cognitive processes by which thinkers encounter and work with knowledge:

- Remember
 - I. Recognizing
 - II. Recalling
- Understand
 - I. Interpreting
 - II. Exemplifying
 - III. Classifying
 - IV. Summarizing
 - V. Inferring
 - VI. Comparing
 - VII. Explaining
- Apply
 - I. Executing
 - II. Implementing
- Analyze
 - I. Differentiating
 - II. Organizing
 - III. Attributing
- Evaluate
 - I. Checking
 - II. Critiquing
- Create
 - I. Generating
 - II. Planning
 - III. Producing

5. Sample Question Paper



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I - B.Tech I Semester (R22- Regulation) (2022-2023)

I-Mid Term Examination, December - 2022

DEPARTMENT OF HUMANITIES & SCIENCE

DESCRIPTIVE TEST, SET-I

Branch: I CSM & ECE

Date of Exam: 30-12-2022 FN FRIDAY

Subject: APPLIED PHYSICS(AP102BS)

Session & Timings: FN: 10.00 AM TO 12.00 PM

Answer any FOUR of the following Questions. Each Question carries 5 Marks, Maximum Marks: 20 M

Question No.	Questions	Question Wise Marks	Course Outcome Level	BloomsTx Level
1	Derive the Schrodinger time independent equation ?	5	CO1	BTL5
2	Explain Quantum free electron theory and Merits and De-merits?	5	CO1	BTL5
3	Define Hall effect ? Explain Zener diode characteristics ?	5	CO2	BTL4
4	Explain Particle in a 1- Dimensional Potential box ?	5	CO1	BTL5
5	Explain about ferroelectric materials and mention their applications ?	5	CO3	BTL1
6	Explain construction working BJT ?	5	CO2	BTL5

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B.Tech I year II Semester, (R18–Regulation) (2021–2022)

II–Mid Term Examination, November–2022

ENGINEERING MECHANICS**Objective Exam**

Name: _____ Hall Ticket No: _____

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Branch: _____ Date of Exam: _____

Answer all Questions. All Questions carry Equal Marks.

Time: 20 Min. (10.40 AM TO 11.00 AM) 02-11-2022 FN WEDNESDAY Marks: 10 M

I. Choose the correct alternative:

- The units of linear accelerations are []
(a) m/s^2 (b) m^2/s (c) rad/s (d) m
- When a particle moves along a straight path, then the particle has []
a) Tangential acceleration only b) Centripetal acceleration only
c) Both tangential and centripetal acceleration
d) None of the mentioned
- When a particle moves with a uniform velocity along a circular path, then the particle has []
a) Tangential acceleration only b) Centripetal acceleration only
c) Both tangential and centripetal acceleration
d) None of the mentioned
- Displacement of a body is a _____ quantity. []
a) scalar b) vector c) scalar and vector d) none of the mentioned
- A body moves, from rest with a constant acceleration of 5 m per sec. The distance covered in 5 sec is most nearly. []
a) 38 m b) 62.5 m c) 96 m d) 124 m
- D' Alembert's principle is used for []
(a) Reducing the problem of kinetics to equivalent statics problem
(b) Determining stresses in the truss
(c) Stability of floating bodies
(d) Designing safe structures
- The unit of work is joule. The other physical quantity that has same unit is []
(a) Power (b) velocity (c) energy (d) force

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8. Potential energy = mass \times _____ \times height. []
(a) Displacement (b) Velocity (c) Gravitational acceleration (d) Density
9. The relation $F=ma$ is related to []
(a) Newton's 1st law (b) Newton's 2nd law
(c) Newton's 3rd law (d) D' Alembert principle
10. What is the formula of work done? []
A: Work done = force \times displacement; B: Work done = force \times velocity;
C: Work done = pressure \times displacement D: Work done = mass \times acceleration;

II Fill in the blanks:

11. Define Work:
12. Define Power:
13. Define Energy:
14. Define Kinetics:
15. Define Kinematics:
16. Define Impulse:
17. Define Momentum:
18. Define force:
19. Define D'Alembert Principle:
20. Work Energy Equation:

6. Sample Slip Test, Quiz Paper



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II - B.Tech II Semester (R18- Regulation) (2021-2022)

DEPARTMENT OF CIVIL ENGINEERING

Slip Test-I

Branch: II CIVIL

Date of Exam: 19-07-2022 TUESDAY

Subject: BASIC MECH. ENGG. FOR CIVIL ENGINEERS Timings: 01.45 PM TO 02.45 PM

Answer any FOUR of the following Questions. Each Question carries 5 Marks, Maximum Marks: 20 M

Question No.	Questions	Question Wise Marks	Course Outcome Level	BloomsTx Level
1	Define Cam & Follower? Classification of Cam & Follower ?	5	CO1	BTL5
2	Design a Reverted Gear Train having 4 gears to give a speed reduction of 12. All gears are to be same pitch and no gear is to have less than 16 teeth. Sketch the arrangement by showing all the Sizes.	5	CO1	BTL5
3	Derive the Compound Gear Train ?	5	CO2	BTL4
4	Difference between the Rope, chain Drives?	5	CO1	BTL5
5	Difference between the Lap Joint and Butt Joint with neat sketch?	5	CO3	BTL1


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PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN

Subject Faculty: A. NARESH BABU

* Required

1. NAME OF THE STUDENT AS PER SSC *

2. ENTER THE 10 DIGITS ROLL NUMBER *

FLUID MECHANICS

Subject Faculty: A NARESH BABU

3. The cylindrical portion of short length, which connects converging and diverging section of venturimeter, is called as

* 1 point

Mark only one oval.

- ☐ diffuser
- ☐ connector
- ☐ throat
- ☐ manometer tube



4. What is the correct formula for Euler's equation of motion? Where, ρ = density * 1 point
of the fluid p = pressure force, g = acceleration due to gravity, v = velocity of the fluid

Mark only one oval.

- ☐ $(\partial p / \rho) + (\partial g / \rho) + (\partial v / \rho) = 0$
- ☐ $(\partial p / \rho) + (\partial g / \rho) + (v dv) = 0$
- ☐ $(\partial p / \rho) + (g dz) + (v dv) = 0$
- ☐ $(p dp) + (g dz) + (v dv) = 0$

5. In a steady, ideal flow of an incompressible fluid, total energy at any point of the fluid is always constant. This theorem is known as * 1 point

Mark only one oval.

- ☐ Euler's theorem
- ☐ Navier-stockes theorem
- ☐ Reynold's theorem
- ☐ Bernoulli's theorem

6. When the net force acting on a fluid is the sum of only gravity force, pressure force and viscous force, the equation is called as * 1 point

Mark only one oval.

- ☐ Reynold's equation of motion
- ☐ Navier-stockes equation of motion
- ☐ Euler's equation of motion
- ☐ none of the above



7. The net force of an ideal flow is equal to the sum of nonzero values of * 1 point

Mark only one oval.

- ☐ pressure force and gravity force
- ☐ viscous force and gravity force
- ☐ pressure force and viscous force
- ☐ pressure force, viscous force and compressibility force

8. Which of the following forces generally act on fluid while considering fluid dynamics? 1. Viscous force 2. Pressure force 3. Gravity force 4. Turbulent force 5. Comprehensibility force * 1 point

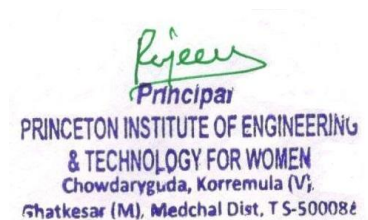
Mark only one oval.

- ☐ (1), (3), (4) and (5)
- ☐ (1), (2), (3) and (5)
- ☐ (1), (2), (3) and (4)
- ☐ (1), (2), (3), (4) and (5)

9. Why the aeroplanes are made to run on the runway before take off? * 1 point

Mark only one oval.

- ☐ It decreases the friction.
- ☐ It decreases atmospheric pressure.
- ☐ It decreases viscous drag of the air.
- ☐ It provides required lift to the aeroplane.



10. When the temperature of a liquid increases, its surface tension *

1 point

Mark only one oval.

- ☐ increases.
- ☐ decreases.
- ☐ remains unchanged.
- ☐ none of the above.

11. Insects are able to run on the surface of water because *

1 point

Mark only one oval.

- ☐ surface tension makes its surface to behave as an elastic membrane.
- ☐ insects swim on water.
- ☐ insects have less weight.
- ☐ of Archimede's upthrust.

12. What makes it difficult to separate two glass sheets having a drop of water between them? *

1 point

Mark only one oval.

- ☐ surface tension
- ☐ viscosity
- ☐ gravity
- ☐ atmospheric pressure



13. One of the major factors that determines the laminar (streamlined) Or turbulent nature of flow of the liquid is * 1 point

Mark only one oval.

- ☐ velocity of flow.
- ☐ pressure of the liquid.
- ☐ length of the path.
- ☐ surface tension.

14. The viscous force does not depend upon * 1 point

Mark only one oval.

- ☐ velocity.
- ☐ velocity gradient.
- ☐ nature of the liquid.
- ☐ area.

15. If two pieces of metal when immersed in a liquid have equal upthrust on them, then both pieces have equal * 1 point

Mark only one oval.

- ☐ mass
- ☐ density
- ☐ volume
- ☐ weight

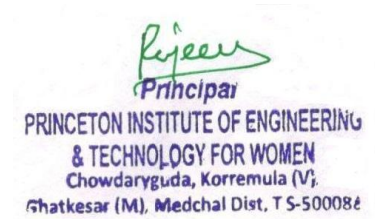
16. The group of steamlines is called * 1 point

17. Hydraulic brakes work on the basis of: *

1 point

Mark only one oval.

- ☐ Poiseuille's law.
- ☐ Pascal's law.
- ☐ Archemede's principle.
- ☐ Bernoulli's principle.



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Questions

Responses

35

Settings

Total points: 15

Insights

Average

9.46 / 15 points

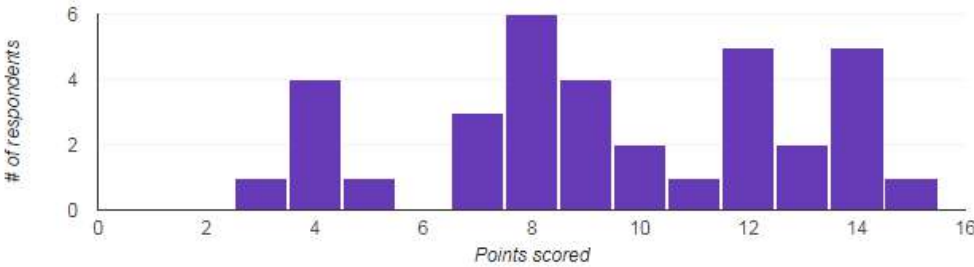
Median

9 / 15 points

Range

3 - 15 points

Total points distribution



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II - B.Tech I Semester (R18- Regulation) (2021-2022)

DEPARTMENT OF CIVIL ENGINEERING

Quiz-V

Branch: II CIVIL
Subject: FLUID MECHANICS

Date of Exam: 09-12-2021 THURSDAY
Name of the Faculty: A. NARESH BABU

S.No:	Timestamp	Total score	NAME OF THE STUDENT AS PER SSC	ENTER THE 10 DIGITS ROLL NUMBER
1	2021/12/08 7:19:33 PM GMT+5:30	15.00 / 15	NARESH BABU	123456789
2	2021/12/09 5:06:53 PM GMT+5:30	11.00 / 15	K.ovika	216M5A0121
3	2021/12/09 5:08:20 PM GMT+5:30	8.00 / 15	Pravalika puli	206M1A0114
4	2021/12/09 5:08:46 PM GMT+5:30	5.00 / 15	A.Roja	216M5A0114
5	2021/12/09 5:11:05 PM GMT+5:30	14.00 / 15	DHARAVATH BHAVANA	216M5A0119
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7	2021/12/09 5:15:47 PM GMT+5:30	8.00 / 15	M.Srujana	216M5A0102
8	2021/12/09 5:17:10 PM GMT+5:30	4.00 / 15	K.shireesha	216M5A0109
9	2021/12/09 5:19:54 PM GMT+5:30	10.00 / 15	N.manasa	216M5A0110
10	2021/12/09 5:19:57 PM GMT+5:30	12.00 / 15	K.Bhavya	216M5A0117
11	2021/12/09 5:20:57 PM GMT+5:30	9.00 / 15	Bathula Pavani	206M1A0102
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13	2021/12/09 5:22:52 PM GMT+5:30	9.00 / 15	Margam Navya	216M5A0116
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35	2021/12/09 8:53:15 PM GMT+5:30	4.00 / 15	T. suvarna	216M5A0104

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7. Sample Consolidated Internal Marks



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD HYDERABAD-500085

Princeton Institute of Engineering and Technology For Women(6M)

B.Tech - R18 - III Year - II Semester

COMPUTER SCIENCE AND ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2022-08-01 15.52.32

HNTU	15607	15618	15623	15631	15632	15634	156AH	156AN	156BN	156CA	156CW	156DR
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166M1A0575	20	20	-	21	-	81	19	16	19	-	16	16
186M1A0539	21	21	-	21	-	80	21	22	21	-	20	16
196M1A0501	20	22	-	20	-	81	22	23	21	-	23	24
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196M1A0543	23	22	-	20	-	88	18	19	23	-	19	19
196M1A0544	21	21	-	20	-	84	19	22	22	-	20	22
196M1A0545	22	22	-	21	-	82	20	22	21	-	20	22
196M1A0546	21	21	-	21	-	85	18	22	22	-	22	20
196M1A0547	22	21	-	21	-	82	20	23	23	-	20	23
196M1A0548	21	22	-	22	-	84	23	22	23	-	23	23
196M1A0549	22	22	-	23	-	80	24	24	25	-	23	24
196M1A0550	23	23	-	21	-	81	18	16	20	-	17	16
196M1A0551	20	23	-	22	-	88	23	23	21	-	20	23
196M1A0552	22	23	-	22	-	85	19	16	20	-	17	20
196M1A0553	21	23	-	20	-	82	22	23	21	-	21	23
196M1A0554	20	22	-	21	-	82	21	24	21	-	20	24
196M1A0555	21	22	-	21	-	82	18	23	20	-	22	22
196M1A0556	22	22	-	22	-	83	18	16	20	-	16	16
196M1A0557	21	22	-	20	-	84	18	16	20	-	17	16
196M1A0558	22	21	-	21	-	84	21	22	20	-	20	22
196M1A0559	20	21	-	20	-	86	19	16	20	-	17	16
196M1A0560	20	21	-	20	-	88	22	22	22	-	21	23
196M1A0561	20	21	-	20	-	85	22	22	21	-	21	22
196M1A0562	21	22	-	21	-	85	20	19	22	-	20	23
196M1A0563	20	22	-	21	-	85	21	22	19	-	19	22
196M1A0564	22	22	-	21	-	82	22	22	20	-	22	19
196M1A0565	20	22	-	20	-	83	18	22	21	-	21	19
196M1A0566	21	22	-	20	-	84	22	22	21	-	23	19
196M1A0567	21	22	19	-	-	85	22	23	23	24	-	24
196M1A0568	22	22	19	-	-	85	16	19	19	18	-	20
196M1A0569	23	22	19	-	-	85	16	22	20	23	-	21
196M1A0570	22	23	22	-	-	88	16	16	19	16	-	19
196M1A0571	22	23	20	-	-	89	16	16	19	16	-	19
196M1A0572	22	22	20	-	-	88	21	22	21	21	-	22
196M1A0573	21	22	21	-	-	89	16	16	19	16	-	19
196M1A0574	21	23	22	-	-	86	22	22	21	21	-	22

HNT0	15607	15618	15623	15631	15632	15634	156AH	156AN	156BN	156CA	156CW	156DR
196M1A0575	22	21	23	-	-	87	22	20	20	23	-	23
196M1A0576	23	21	22	-	-	88	16	16	18	16	-	16
196M1A0577	23	21	22	-	-	82	20	20	18	19	-	19
196M1A0578	23	22	21	-	-	84	21	19	23	24	-	22
196M1A0579	22	22	22	-	-	85	17	19	18	19	-	20
196M1A0580	20	23	21	-	-	86	20	23	20	24	-	22
196M1A0581	22	22	21	-	-	87	20	24	23	23	-	22
196M1A0582	22	21	22	-	-	87	18	22	22	21	-	23
196M1A0583	21	22	19	-	-	88	21	19	20	24	-	23
196M1A0584	22	23	20	-	-	82	21	22	21	21	-	21
196M1A0585	23	22	20	-	-	88	16	19	19	20	-	20
196M1A0586	22	22	20	-	-	83	22	24	23	23	-	22
196M1A0587	24	21	21	-	-	83	21	22	22	22	-	22
196M1A0588	22	22	22	-	-	84	24	24	22	25	-	24
196M1A0589	22	23	20	-	-	85	21	23	20	24	-	23
196M1A0590	22	22	20	-	-	85	20	22	20	21	-	23
196M1A0591	21	21	20	-	-	88	19	23	20	24	-	20
196M1A0592	23	22	21	-	-	86	18	25	23	25	-	23
196M1A0593	22	23	22	-	-	87	17	19	22	20	-	21
196M1A0594	20	22	21	-	-	88	22	21	23	24	-	24
196M1A0595	20	21	22	-	-	86	21	21	21	22	-	22
196M1A0596	21	22	22	-	-	84	17	19	19	19	-	20
196M1A0597	22	21	21	-	-	86	20	20	21	18	-	21
196M1A0598	20	22	22	-	-	85	21	22	23	21	-	22
196M1A0599	20	22	21	-	-	86	19	19	21	22	-	23
196M1A05A0	21	21	22	-	-	87	23	19	22	22	-	23
196M1A05A1	22	22	22	-	-	88	16	16	18	16	-	18
196M1A05A2	22	21	22	-	-	86	16	19	21	19	-	19
196M1A05A3	23	22	21	-	-	84	20	19	22	22	-	23
196M1A05A4	22	23	21	-	-	85	22	19	21	20	-	22
196M1A05A5	21	22	21	-	-	86	22	21	22	20	-	23
196M1A05A6	21	22	20	-	-	85	18	19	23	19	-	17
196M1A05A8	22	23	21	-	-	82	19	16	18	18	-	16
196M1A05B0	20	21	22	-	-	83	19	16	22	21	-	19
196M1A05B3	22	21	21	-	-	84	22	22	22	20	-	19
196M1A05B4	21	21	22	-	-	85	16	23	21	23	-	23
196M1A05B5	22	22	20	-	-	85	18	22	21	21	-	21
196M1A05B6	22	22	21	-	-	82	17	22	22	21	-	22
206M5A0501	23	20	22	-	88	84	16	16	19	16	-	16
206M5A0502	22	21	21	-	88	88	16	16	19	16	-	16
206M5A0503	24	22	21	-	82	86	16	16	21	16	-	16
206M5A0504	22	23	21	-	88	85	16	16	18	16	-	19
206M5A0505	22	22	21	-	83	85	16	19	20	19	-	19
206M5A0506	20	21	21	-	88	83	22	24	21	25	-	24
206M5A0507	20	22	20	-	84	86	24	25	23	25	-	24

HNT0	15607	15618	15623	15631	15632	15634	156AH	156AN	156BN	156CA	156CW	156DR
206M5A0508	20	20	20	-	88	88	16	16	19	16	-	17
206M5A0509	20	22	21	-	85	82	23	24	21	25	-	24
206M5A0510	20	21	22	-	86	88	21	23	21	23	-	23
206M5A0511	20	22	21	-	86	86	17	19	20	20	-	20
206M5A0512	21	22	20	-	86	82	21	22	22	23	-	23
206M5A0513	22	23	21	-	88	84	16	16	18	16	-	17
206M5A0514	21	21	22	-	88	83	21	16	22	20	-	23
206M5A0515	21	21	21	-	88	85	19	24	22	24	-	24
206M5A0516	21	21	21	-	82	82	16	16	19	16	-	17
196M5A0501	-	-	-	-	92	-	-	-	-	-	-	-
196M5A0502	-	-	-	-	93	-	-	-	-	-	-	-
196M5A0503	-	-	-	-	92	-	-	-	-	-	-	-
196M5A0505	-	-	-	-	93	-	-	-	-	-	-	-
196M5A0506	-	-	-	-	93	-	-	-	-	-	-	-
196M5A0507	-	-	-	-	92	-	-	-	-	-	-	-
196M5A0508	-	-	-	-	93	-	-	-	-	-	-	-
196M5A0509	-	-	-	-	92	-	-	-	-	-	-	-
196M5A0510	-	-	-	-	93	-	-	-	-	-	-	-
196M5A0511	-	-	-	-	93	-	-	-	-	-	-	-
196M5A0512	-	-	-	-	92	-	-	-	-	-	-	-
Total:142	277 4	285 2	130 2	145 8	239 6	111 11	255 3	269 1	274 3	127 7	137 4	271 8

Note : '-1' indicates student is absent for the exam.

Subject Code	Subject Name
15618	MACHINE LEARNING LAB
15607	COMPILER DESIGN LAB
156AH	COMPILER DESIGN
156AN	DESIGN AND ANALYSIS OF ALGORITHMS
156BN	MACHINE LEARNING
15623	NETWORK PROGRAMMING LAB
15634	CYBER SECURITY
15632	ENVIRONMENTAL SCIENCE
15631	SOFTWARE TESTING METHODOLOGIES LAB
156CA	NETWORK PROGRAMMING
156DR	FUNDAMENTALS OF INTERNET OF THINGS
156CW	SOFTWARE TESTING METHODOLOGIES


Principal
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& TECHNOLOGY FOR WOMEN
 Chowdaryguda, Korremula (V),
 Ghatkesar (M), Medchal Dist, T S-500086

Signature Of Principal with Date & Office seal

8. Sample Lab Evaluation Sheet



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Chowdaryguda (V), Ghatkesar (M), Medchal - Malkajgiri (D), T.S - 500088

DEPARTMENT OF HUMANITIES & SCIENCE

Academic Year 2021-2022

Name of the Lab: ENGINEERING WORKSHOP

Branch: Civil Engg.

Year/Semester: I/II

Name of the Evaluator: B.Chinna Yaganti

Course Code: ME105ES/ME205ES

Internal Continous Evaluation Sheet:


S.No:	Roll No:	Exp. No:1			Exp. No:2			Exp. No:3			Exp. No:4			Exp. No:5			Exp. No:6			Exp. No:7			AVG
		DDE	IE	T	DDE	IE	T	DDE	IE	T	DDE	IE	T	DDE	IE	T	DDE	IE	T	DDE	IE	T	
		15M	10M	25M	15M	10M	25M	15M	10M	25M	15M	10M	25M	15M	10M	25M	15M	10M	25M	15M	10M	25M	
1	216M1A0101	12	8	20	14	9	20	12	8	20	11	8	19	13	8	21	14	8	22	14	8	22	21
2	216M1A0102	12	8	20	14	9	23	12	8	20	11	8	19	13	8	21	14	8	22	14	8	22	21
3	216M1A0103	12	8	20	14	9	23	12	8	20	11	8	19	13	8	21	14	8	22	14	8	22	21
4	216M1A0104	12	8	20	14	9	23	12	8	20	11	8	19	13	8	21	14	8	22	14	8	22	21
5	216M1A0105	12	8	20	14	9	23	12	8	20	12	7	19	13	8	21	14	8	22	14	8	22	21
6	216M1A0106	13	9	22	13	8	21	12	7	19	12	7	19	12	7	21	13	7	20	13	9	22	20.5
7	216M1A0107	13	9	22	13	8	21	12	7	19	12	7	19	12	7	21	13	7	20	13	9	22	20.5
8	216M1A0108	13	9	22	13	8	21	12	7	19	12	7	19	12	7	21	13	7	20	13	9	22	20.5
9	216M1A0109	13	9	22	13	8	21	12	7	19	12	7	19	12	7	21	13	7	20	13	9	22	20.5
10	216M1A0110	13	9	22	13	8	21	13	7	20	12	7	19	12	7	21	13	8	21	14	7	21	20.7
11	216M1A0111	14	7	21	14	8	22	13	7	20	13	9	22	12	8	20	13	8	21	14	7	21	20.7
12	216M1A0112	14	7	21	14	8	22	13	7	20	13	9	22	12	8	20	13	8	21	14	7	21	21

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PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist, T S-500088

13	216M1A0113	14	7	21	14	8	22	13	7	20	13	9	22	12	8	20	13	8	21	14	7	21	21
14	216M1A0114	14	7	21	14	8	22	13	7	20	13	9	22	12	8	20	13	8	21	14	7	21	21
15	216M1A0115	14	7	21	14	8	22	13	7	20	13	9	22	12	8	20	13	8	21	14	7	21	21
16	216M1A0116	11	8	19	12	9	21	14	7	21	14	7	21	12	8	20	12	7	19	13	8	21	21
17	216M1A0117	11	8	19	12	9	21	14	7	21	14	7	21	12	8	20	12	7	19	13	8	21	21
18	216M1A0118	11	8	19	12	9	21	14	7	21	14	7	21	12	8	20	12	7	19	13	8	21	21
19	216M1A0119	11	8	19	12	9	21	14	7	21	14	7	21	12	8	20	12	7	19	13	8	21	21
20	216M1A0120	11	8	19	12	9	21	14	7	21	14	7	21	12	8	20	12	7	19	13	8	21	21
21	216M1A0121	12	7	19	13	9	22	13	8	21	13	8	21	12	8	20	13	8	21	13	7	20	21
22	216M1A0122	12	7	19	13	9	22	13	8	21	13	8	21	12	8	20	13	8	21	13	7	20	21
23	216M1A0123	12	7	19	13	9	22	13	8	21	13	8	21	12	8	20	13	8	21	13	7	20	21
24	216M1A0124	12	7	19	13	9	22	13	8	21	13	8	21	12	8	20	12	7	21	11	8	19	21
25	216M1A0125	12	7	19	13	9	22	13	8	21	13	8	21	12	8	20	12	7	21	11	8	19	21
26	216M1A0126	13	8	21	14	8	22	13	7	20	13	8	21	12	8	20	12	7	21	11	8	19	21
27	216M1A0127	13	8	21	14	8	22	13	7	20	12	9	21	11	7	18	12	9	21	13	9	21	21
28	216M1A0128	13	8	21	14	8	22	13	7	20	12	9	21	11	7	18	13	8	21	13	9	21	21
29	216M1A0129	13	8	21	14	8	22	13	7	20	12	9	21	11	7	18	13	8	21	13	9	21	21
30	216M1A0130	13	8	21	14	7	21	13	7	20	12	9	21	12	8	20	13	8	21	12	8	20	21
31	216M1A0131	13	8	21	14	7	21	14	7	20	13	7	20	12	8	20	13	8	21	12	8	20	21
32	216M1A0132	13	8	21	14	7	21	14	7	20	13	7	20	12	8	20	12	7	19	12	8	20	21
33	216M1A0133	13	8	21	14	7	21	14	7	20	13	7	20	12	8	20	12	7	19	12	8	20	21
34	216M1A0134	13	8	21	14	7	21	14	7	20	13	7	20	12	8	20	12	7	19	12	8	20	21

DDE: DAY TO DAY EVALUATION
IE: INTERNAL EXAMINATION

EVALUATOR SIGN: 


HEAD OF THE DEPARTMENT


PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist, T S-500086

9. Sample Project Evaluation Sheet



PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Chowdaryguda, Korremula (V), Ghatkesar (M), Medchal Malkajirigi, District, T.S. -500088

Department of computer Science and Engineering
MAJOR PROJECT REVIEW - 1

2021 - 2022

CLASS - IV

BATCH NO : 2

TITLE : "DETECTION OF FAKE NEWS THROUGH IMPLEMENTATION OF DATA SCIENCE APPLICATIONS"

S.No	Hall Ticket No	Name	Signature
1	186M1A0572	P Nissy	<i>Nissy</i>
2	196M5A0508	T Anusha	<i>Anusha</i>
3	18C21A0527	M Keerthi	<i>M Keerthi</i>
4	186M1A0570	K Nandini	<i>Nandini</i>
5	176M1A0524	K Ushwitha	<i>Ushwitha</i>

S.No	Name Of The Guide	Basic Description of Topic	Project Status	Signature
1	Mr. T. Kanakaiah		30% completed	<i>T. Kanakaiah</i>

S.No	Particulars	Max Marks	Batch Details				
	Students Hall Tickets No's		186M1A0572	196M5A0508	18C21A0527	186M1A0570	176M1A0524
1	Abstract	5	5	5	5	5	5
2	Objectives & Introduction	5	5	5	5	5	5
3	Proposed System & Advantages	5	5	5	5	5	5
4	Quality / Clarity of the PPT, Document	5	5	5	5	5	5
5	Demonstration of the Topic	10	9	10	10	9	9
6	Presentation Skills	10	9	9	9	9	10
7	Overall Performance	10	10	10	9	10	10
	Total Marks	50	48	49	48	48	49

Remarks:

Remarks:

SIGN OF PRC MEMBER

SIGN OF PROJECT CO-ORDINATOR

SIGN OF HOD

PROJECT REVIEW COMMITTEE : APPROVED / NOT APPROVED

Principal
PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist. T.S-500088



PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN
(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)
Chowdaryguda, Korremula (V), Chaitkesar (M), Medchal Malkajirgi, District, T.S. -500088

Department of computer Science and Engineering
MAJOR PROJECT REVIEW -2

2021 - 2022

CLASS - IV

BATCH NO : 2

TITLE : "DETECTION OF FAKE NEWS THROUGH IMPLEMENTATION OF DATA SCIENCE APPLICATIONS"

S.No	Hall Ticket No	Name	Signature
1	186M1A0572	P Nissy	<i>Nissy</i>
2	196M5A0508	T Anusha	<i>Anusha</i>
3	18C21A0527	M Keerthi	<i>M. Keerthi</i>
4	186M1A0570	K Nandini	<i>Nandini</i>
5	176M1A0524	K Ushwitha	<i>Ushwitha</i>

S.No	Name Of The Guide	Basic Description of Topic	Project Status	Signature
1	Mr. T. Kanakaiah		70% completed	<i>T. Kanakaiah</i>

S.No	Particulars	Max Marks	Batch Details				
			186M1A0572	196M5A0508	18C21A0527	186M1A0570	176M1A0524
1	Abstract	5	5	5	5	5	5
2	Objectives & Introduction	5	5	5	5	5	5
3	Proposed System & Advantages	5	5	5	5	5	5
4	Quality / Clarity of the PPT, Document	5	5	5	5	5	5
5	Demonstration of the Topic	10	10	10	10	10	10
6	Presentation Skills	10	10	9	10	10	9
7	Overall Performance	10	10	10	9	10	10
	Total Marks	50	50	49	49	50	49

Remarks:

--

SIGN OF PRC MEMBER

SIGN OF PROJECT CO-ORDINATOR

PROJECT REVIEW COMMITTEE : APPROVED / NOT APPROVED

SIGN OF HOD



PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN

(Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad)

Chowdaryguda, Korremula (v), Ghatkesar (M). Medchal Malkajirigi District, T.S. -500088

Department of computer Science and Engineering

MAJOR PROJECT REVIEW -3

2021 - 2022

CLASS - IV

BATCH NO : 2

TITLE : "DETECTION OF FAKE NEWS THROUGH IMPLEMENTATION OF DATA SCIENCE APPLICATIONS"

S.No	Hall Ticket No	Name	Signature
1	186M1A0572	P Nissy	<i>Nissy</i>
2	196M5A0508	T Anusha	<i>Anusha</i>
3	18C21A0527	M Keerthi	<i>M Keerthi</i>
4	186M1A0570	K Nandini	<i>Nandini</i>
5	176M1A0524	K Ushwitha	<i>Ushwitha</i>

S.No	Name Of The Guide	Basic Description of Topic	Project Status	Signature
1	Mr. T. Kanakaiah		100% completed	<i>T. Kanakaiah</i>

S.No	Particulars	Max Marks	Batch Details				
	Students Hall Tickets No's		186M1A0572	196M5A0508	18C21A0527	186M1A0570	176M1A0524
1	Abstract	5	5	5	5	5	5
2	Objectives & Introduction	5	5	5	5	5	5
3	Proposed System & Advantages	5	5	5	5	5	5
4	Quality / Clarity of the PPT, Docume	5	5	5	5	5	5
5	Demonstration of the Topic	10	10	10	10	10	10
6	Presentation Skills	10	10	10	9	10	10
7	Overall Performance	10	10	10	10	9	9
Total Marks		50	50	50	49	49	49

Remarks:

SIGN OF PRC MEMBER

SIGN OF PROJECT CO-ORDINATOR

SIGN OF HOD

PROJECT REVIEW COMMITTEE : APPROVED / NOT APPROVED

Principal
PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
Chowdaryguda, Korremula (V),
Ghatkesar (M), Medchal Dist. T.S-500088

10. Seminar Evaluation Sheet



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

(Approved by AICTE New Delhi & Affiliated to JNTU Hyderabad)

Chowdaryguda (V), Ghatkesar (M), Medchal - Malkajgiri (D), T.S - 500088

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B. Tech IV Year I Semester


Seminar Evaluation Form


Class & Branch:	IV B.Tech & Computer Science and Engineering
Subject Name:	Seminar
Subject Code:	CS705PC
Roll Number:	196M1A0549
Student Name:	Vogulapu Supriya
Seminar Title:	Night Vision Technology
Date of Presentation:	02-11-2022

S.No:	RUBRICS:	MARKS:
1	EVALUATION OF THE TECHNICAL REPORT (SEMINAR REPORT) (15 M)	
	a. Punctuality in submission of report and discussion	2 / 2
	b. Resources from which the seminar have been based	2 / 2
	c. Report Submission	3 / 3
	d. Layout & content of Presentation	3 / 3
	e. Depth of the student knowledge in subject	5 / 5
	TOTAL	15 / 15
2	EVALUATION OF THE PRESENTATION (35 M)	
	a. Contents	10 / 10
	b. Delivery	10 / 10
	c. Relevance & interest the topic creates	4 / 5
	d. Ability to involve the Spectators	5 / 5
	e. Question Answer Session	5 / 5
	TOTAL	34 / 35
3	SUPERVISOR MARKS	20 / 20
4	SENIOR FACULTY MARKS	15 / 15
5	ADMIN IN-CHARGE/ ACADEMIC IN-CHARGE/ HOD MARKS	15 / 15
	GRAND TOTAL	99 / 100


Additional Comments:


Signature of the Evaluator


Seminar Supervisor


Senior Faculty Member


Head of the Department


Principal
PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
Chowdaryguda, Korremula (V)
Ghatkesar (M), Medchal Dist. T.S-500088



PRINCETON INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

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Chowdaryguda (V), Ghatkesar (M), Medchal - Malkajgiri (D), T.S - 500088

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

B. Tech IV Year I Semester

Seminar Evaluation Form

Class & Branch:	IV B.Tech & Computer Science and Engineering
Subject Name:	Seminar
Subject Code:	CS705PC
Roll Number:	196M1A0518
Student Name:	Bogi Rishika
Seminar Title:	Python Libraries for Data science
Date of Presentation:	01-11-2022

S.No:	RUBRICS:	MARKS:
1	EVALUATION OF THE TECHNICAL REPORT (SEMINAR REPORT) (15 M)	
	a, Punctuality in submission of report and discussion	2 /2
	b. Resources from which the seminar have been based	2 /2
	c. Report Submission	3 /3
	d. Layout & content of Presentation	3 /3
	e. Depth of the student knowledge in subject	5 /5
	TOTAL	15 /15
2	EVALUATION OF THE PRESENTATION (35 M)	
	a. Contents	10 /10
	b. Delivery	10 /10
	c. Relevance & interest the topic creates	5 /5
	d. Ability to involve the Spectators	5 /5
	e. Question Answer Session	4 /5
	TOTAL	34 /35
3	SUPERVISOR MARKS	20 /20
4	SENIOR FACULTY MARKS	15 /15
5	ADMIN IN-CHARGE/ ACADEMIC IN-CHARGE/ HOD MARKS	15 /15
	GRAND TOTAL	99 /100

Additional Comments:

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11. Program Assessment Commitment

PRINCETON INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN
(Approved by AICTE, New Delhi & Affiliated to JNTU Hyderabad)
Chowdaryguda (V), Ghatkesar (M), Medchal-Malkajgiri (D).TS-500088
Phone: 9394544566 / 6305324412
e-mail: princeton.principal2020@gmail.com
JNTUH Code (6M) CSE – CIVIL – ECE – EEE EAMCET Code– PETW



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department formulated program assessment committee to monitor/access all departmental activities and directions for improving the quality of program offered by department. The composition consist of Head of the Department, 02 program accreditation coordinator, 03 senior faculty members, 01 Alumni, 01 Industrial Nominee and the member of PAC listed below. The following composition is valid for 03 Academic Years (2020-21, 2021-22 & 2022-23) and it should meet twice in a semester. Any changes in the member's composition should be listed in Agenda for necessary action.

The preview of the committee and its functions are listed below:
Program Assessment Committee (PAC): 09 members.

Academic Year: 2020-21, 2021-22 & 2022-23.

S.No:	Name of the Faculty	Designation
1	Dr. A. Krishna Murthy, Professor	Chairman
2	Dr. G Arul Dalton, Professor, Head of Dept.	NAAC Program Co-ordinator
3	Dr. Ankitha, Professor	NAAC Program Co-ordinator
4	Mr. S. Srinivas Rao, Senior Project Engineer	Industry Representative
5	Mrs. I. Swapna, Assistant Professor	Senior Faculty
6	Mr. T. Kankaiah, Assisatant Professor	Senior Faculty
7	Mrs. K. Indumathi, Assistant Professor	Senior Faculty
8	Mr. A. Naresh Babu, Assistant Professor	Member
9	Mrs. Manjula, Assistant Professor	Alumni

1. Collecting the inputs from the stakeholders for defining vision and mission statements, PEO's, and PSO's of the Department.
2. Approving the course Outcomes, PSO's of each course in Program.
3. Approving attainments of each course.
4. Necessary actions/activities to fill circular gaps.
5. Arranging meeting with stakeholders (Industry, student) to take necessary actions/activities to fill circular gaps.
6. Approve and continuously assess the reports received from the other committees and faculty and submit a report to DAC.



Dr. G Arul Dalton
Head of the Department
Computer Science and Engineering


Principal
PRINCETON INSTITUTE OF ENGINEERING
& TECHNOLOGY FOR WOMEN
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