



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

(Approved by AICTE & Affiliated to JNTUH)


Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

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2.5.3. IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution:

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District-501



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS FOR B.TECH. REGULAR STUDENTS

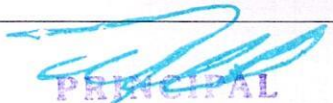
WITH EFFECT FROM

ACADEMIC YEAR 2018-19 (R-18)

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

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 in the following branches of Engineering:

Branch
Civil Engineering
Electrical and Electronics Engineering
Mechanical Engineering
Electronics and Communication Engineering
Computer Science and Engineering
Chemical Engineering
Electronics and Instrumentation Engineering
Bio-Medical Engineering
Information Technology
Mechanical Engineering (Mechatronics)
Electronics and Telematics Engineering
Metallurgy and Material Technology
Electronics and Computer Engineering
Mechanical Engineering (Production)
Aeronautical Engineering
Instrumentation and Control Engineering
Biotechnology
Automobile Engineering
Mining Engineering
Petroleum Engineering
Civil and Environmental Engineering
Mechanical Engineering (Nano Technology)
Computer Science & Technology
Pharmaceutical Engineering


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1. University Rules & Regulations On Examinations:



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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.

Eligibility for admission

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.

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

B.Tech. Programme structure

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 \geq 5) required for the completion of the under graduate programme and award of the B.Tech. degree.

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

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

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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.

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.

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)

Course registration

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.

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'**.

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.

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.

Choice for '**additional subjects/ courses**' must be clearly indicated, which needs the specific approval and signature of the faculty advisor/ counselor.

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.

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

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

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.

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.

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

Subjects/ courses to be offered

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

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).

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).

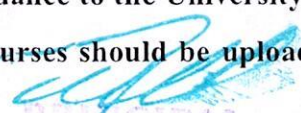
If more entries for registration of a subject come into picture, then the Head of the Department concerned shall decide, whether or not to offer such a subject/ course for **two (or multiple) sections**.

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**'.

Attendance requirements:

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.


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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.

A stipulated fee shall be payable for condoning of shortage of attendance.

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

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.

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

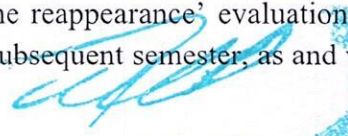
Academic requirements

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

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.

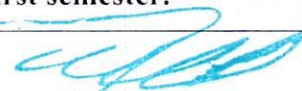
A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to Industrial Oriented Mini Project/Summer Internship and seminar, if the student secures not less than 40% marks (i.e. 40 out of 100 allotted marks) in each of them. The student is deemed to have failed, 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.


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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.


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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 (at the end of each successive semester) \geq 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.

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.

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.

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.

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.

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).

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-

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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:

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.

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.

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.

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.

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.

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.

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

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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.


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.

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.

Grading procedure

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


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Semester End Examination, both taken together) as specified in item 8 above, a corresponding letter grade shall be given.

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

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.

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.

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.

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

A student passes the subject/ course only when GP ≥ 5 ('C' grade or above)

The Semester Grade Point Average (SGPA) is calculated by dividing the sum of credit points (**CP**) 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

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

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 ith subject, and G_i represents the grade points (GP) corresponding to the letter grade awarded for that ith subject.

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

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

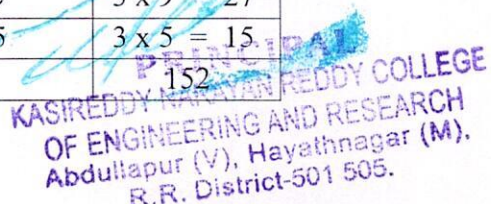
(i.e., up to and inclusive of S semesters, S ≥ 2),

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 jth subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that jth 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

$$SGPA = 152/21 = 7.24$$



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Illustration of calculation of CGPA up to 3rd semester:

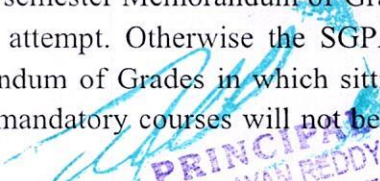
Semester	Course/Subject Title	Credits Allotted	Letter Grade Secured	Corresponding Grade Point (GP)	Credit Points (CP)
I	Course 1	3	A	8	24
I	Course 2	3	O	10	30
I	Course 3	3	B	6	18
I	Course 4	4	A	8	32
I	Course 5	3	A+	9	27
I	Course 6	4	C	5	20
II	Course 7	4	B	6	24
II	Course 8	4	A	8	32
II	Course 9	3	C	5	15
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.

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

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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Passing standards

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.

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.

Declaration of results

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

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

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

Award of degree

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.

A student who qualifies for the award of the degree as listed in item 12.1 shall be placed in the following classes.

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**'.

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Students with final CGPA (at the end of the under graduate programme) ≥ 6.50 but < 8.00 shall be placed in '**first class**'.

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

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**'.

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.

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

Withholding of results

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.

Student transfers

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

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

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.

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.

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.

Scope


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

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

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.

Where the words "he", "him", "his", occur in the regulations, they include "she", "her", "hers".


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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.

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		(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 of the examination (theory or	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

	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

	<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>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.</p>
<p>7.</p>	<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>
<p>8.</p>	<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>

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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.


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**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 \geq 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 disciplinc/ 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-project/ Mini- Project/ Skill Development Courses	Industry Training/ Internship/ Industry Oriented Mini-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

No.	Promotion	Conditions to be fulfilled
	First year first semester Regular course of study of first year first semester First year second semester	Regular course of study of first year first semester.
	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.
	Second year first semester to Second year second semester Regular course of study of second year first semester	Regular course of study of second year first semester.
	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.
	Third year first semester Regular course of study of third year first semester Third year second semester	Regular course of study of third year first semester.
	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.
	Fourth year first semester to	Regular course of study of fourth year first

Fourth year second semester	semester.
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- 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:


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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.

8.2.2 For the subject, **Computer Aided Engineering Graphics**, the Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) evaluation pattern is same as for other theory subjects.

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 Report/Project and Presentation, 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.

For CSE/IT and allied branches and Mining Engineering, the Continuous Internal Evaluation (CIE) will be for 50 marks. Each Mid-Term examination consists of two parts i) **Part – A** for 20 marks, ii) **Part – B** for 20 marks with a total duration of 2 hours.

Part A: Objective/quiz paper is set with multiple choice, fill-in the blanks and match the following type of questions for a total of 20 marks. **Part B:** Descriptive paper shall contain 6 full questions out of which, the student has to answer 4 questions, each carrying 5 marks.

The remaining 10 marks of Continuous Internal Evaluation are for Assignment (5 marks) and Subject Viva-Voce/PPT/Poster Presentation/ Case Study (5 marks) and the evaluation pattern will remain same as for other theory subjects.

For all other branches, the Continuous Internal Evaluation (CIE) will be for 50 marks. Out of the 50 marks for internal evaluation:

- a) 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
- b) **10 marks for viva-voce** (or) tutorial (or) case study (or) application (or) poster presentation of the course concerned.
- c) Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 15 marks.
- d) The remaining 15 marks are for Laboratory Report/Project and Presentation, 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.

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 can re-register for 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.

They may seek re-registration for all those subjects registered in that semester in which the student is failed. The student has to re-appear for CIE and SEE as and when offered.

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. His Continuous Internal Evaluation marks for 40 obtained in the previous attempt stand cancelled. The student has to obtain fresh set of marks for 40 allotted for CIE (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). Head of the Dept. will take care of this.

- 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 100 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/ 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:

Marks Secured in a Subject/Course Intervals)	Grade Guidelines)	Points
Greater than or equal to 90%	(Outstanding)	
and less than 90%	(Excellent)	
and less than 80%	Good)	
and less than 70%	(Good)	
and less than 60%	(Average)	
and less than 50%		
40%	(FAIL)	
Absent		

- 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

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

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 ith subject, and G_i represents the grade points (GP) corresponding to the letter grade awarded for that ith 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

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

(i.e., up to and inclusive of S semesters, S ≥ 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 jth subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that jth 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	C r e d i t s	L e t t e r g r a d e	G r a d e P o i n t	C r e d i t P o i n t

	d i t s	e r G r a d e	e P o i n t s	i t P o i n t s
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.


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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.

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.) 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 any semester of I, 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:

1. 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:

1. A student who has failed in any subject under any regulation has to pass those subjects in the same regulations.
2. 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.**
3. 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".


KASIREDDY K. S. REDDY COLLEGE
OF ENGINEERING AND RESEARCH
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R.K. District-501 505.



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.

		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.

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 HOD ENGINEERING DEPARTMENT
 JOSHYBAI NARAYANJIJI COLLEGE
 501 PRAKASHI BLDG.

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	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.

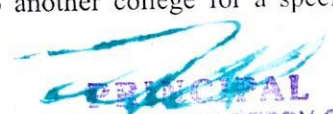
	property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.	
7.	Leaves the exam hall taking away answer script 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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2. Sample Copy Of Evaluation Schemes:



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(Approved by AICTE & Affiliated to JNTUHH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : principal@knrcer.ac.in ; website: www.knrcer.ac.in

EVALUATION SCHEMES

R18- Regulation

Students Admitted from the Academic Year 2018-2019

Evaluation Distribution and Weightage of marks

The performance of a student in every subject/course (including practical's and UG major project) 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

1. 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 essay paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for essay paper). The objective paper is set with 20 bits of multiple choice, fill-in the blanks and matching type of questions for a total of 10 marks. The essay 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- examination, and the second assignment should be submitted before the conduct of the second mid 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 interrals/sessional. If any student is absent from any

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subject of a mid-term examination, an on-line test will be conducted for him by the university.

External (Theory Subjects) Examinations Distribution and Weightage of marks

The end semester examinations will be conducted for 75 marks consisting of two parts viz.

i) Part- A for 25 marks, ii) Part-B for 50 marks.

1. Part-A is compulsory question which consists 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.

2. 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.

3. For the Subject Estimation, Costing and Project Management, the semester end examination paper should consist of Part- A, Part-B and Part C. Part - A consists of two questions in detailed estimation of buildings out of which one question must be answered. Part - B consists of two questions in estimation of steel and earthwork out of which one question must be answered. Part Weightage for Part-A is 40%, Part-B is 20% and Part C - 40%.

-C consists of five questions in the remaining units out of which three should be answered.

4. For subjects Structural Engineering - I & II (RCC & STEEL), the end semester examination will be conducted for 75 marks consisting of 2 parts viz. (1) Part - A for 15 marks and, (1) Part- B for 60 marks. Part-A is a compulsory question consisting of ten sub-questions. The first five are from each unit relating to design theory and 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 10 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 1. For practical subjects there shall be a continuous internal evaluation during the semester for 25

sessional marks and 75 semester end examination marks. 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.

Internal & External (Drawing Subjects) Examinations

Distribution and Weightage of marks 1. For the subject having design and/or drawing, (such as engineering graphics, engineering drawing, machine drawing) 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.

2. For subjects like Engineering Graphics/Engineering Drawing there shall be five questions in the semester end examination. 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

3. For subjects like Machine Drawing Practice/Machine Drawing, 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 in internal tests. SEE will be conducted for 75 marks consisting of two parts viz. (1) Part-A for 30 marks. (1)

Part B for 45 marks. Part-1 is compulsory, Choice may be given in Part-A.

Internal & External (Projects) Viva Voce Distribution and Weightage of marks 1. There shall be an UG mini-project, 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. The 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.

2. 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 marks. There shall be no semester end examination for the seminar.

3. 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.

4. For Project Stage-1, 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 - 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

5. 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-1 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.

6. 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

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

8. The laboratory marks and the sessional marks awarded by the college are subject to scrutiny and scaling by the university wherever necessary. In such cases, the sessional 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.

Internal & External (Mandatory Subjects) Examinations Distribution and Weightage of marks

1. For mandatory courses environmental science, Constitution of India, Intellectual Property Rights, and Gender Sensitization, a student has to secure 40 marks out of 100 marks (ie, 40% of the marks allotted) in the continuous internal evaluation for passing the subject/course which will be uploaded along with the internal marks of other subjects.


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1.0 Evaluation - Distribution and Weightage of Marks

1.1 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).

1.2 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 remaining 10 marks of Continuous Internal Evaluation are distributed as: Assignment for 5 marks. (**Average of 2 Assignments** each for 5 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).

- 2.
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

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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:

1.2.1 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.

1.2.2 For the subject, **Computer Aided Engineering Graphics**, the Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) evaluation pattern is same as for other theory subjects.

1.3 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 Report/Project and Presentation, 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.

1.4 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.

For CSE/IT and allied branches and Mining Engineering, the Continuous Internal Evaluation (CIE) will be for 50 marks. Each Mid-Term examination consists of two parts i) **Part – A** for 20 marks, ii) **Part – B** for 20 marks with a total duration of 2 hours.

Part A: Objective/quiz paper is set with multiple choice, fill-in the blanks and match the following type of questions for a total of 20 marks. **Part B:** Descriptive paper shall contain 6 full questions out of which, the student has to answer 4 questions, each carrying 5 marks.

The remaining 10 marks of Continuous Internal Evaluation are for Assignment (5 marks) and Subject Viva-Voce/PPT/Poster Presentation/ Case Study (5 marks) and the evaluation pattern will remain same as for other theory subjects.

For all other branches, the Continuous Internal Evaluation (CIE) will be for 50 marks. Out of the 50 marks for internal evaluation:

- a) 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
- b) **10 marks for viva-voce** (or) tutorial (or) case study (or) application (or) poster presentation of the course concerned.
 - c) Internal practical examination conducted by the laboratory teacher concerned shall be evaluated for 15 marks.
 - d) The remaining 15 marks are for Laboratory Report/Project and Presentation, 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.
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.
- 1.5 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.
- 1.6 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.
- 1.7 UG project work shall be carried out in two stages: Project Stage – I for approval of project before Mid-II examinations in IV⁶¹ 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.

- 1.8 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.

- 1.9 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.

- 1.10 A student can re-register for 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.

They may seek re-registration for all those subjects registered in that semester in which the student is failed. The student has to re-appear for CIE and SEE as and when offered.

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. His Continuous Internal Evaluation marks for 40 obtained in the previous attempt stand cancelled. The student has to obtain fresh set of marks for 40 allotted for CIE (Sum of average of two mid-term examinations consisting of Objective & descriptive parts, Average of two Assignments & Subject Viva-voce/PPT/ Poster presentation/ Case

KASIREDDY
OF ENGINEERING RESEARCH
Abdullapur (V), Hayathnagar (M),
R.R. District-501 505.

Sample Academic Calendar:

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2022-23

B. Tech./B.Pharm. II YEAR I & II SEMESTER

I SEM

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork		28.11.2022
2	1 st Spell of Instructions	28.11.2022	21.01.2023 (8 Weeks)
3	First Mid Term Examinations	23.01.2023	30.01.2023 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before		04.02.2023
5	2 nd Spell of Instructions	31.01.2023	29.03.2023 (8 Weeks)
6	Second Mid Term Examinations	31.03.2023	08.04.2023 (1 Week)
7	Preparation Holidays and Practical Examinations	10.04.2023	15.04.2023 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before		15.04.2023
9	End Semester Examinations	17.04.2023	29.04.2023 (2 Weeks)

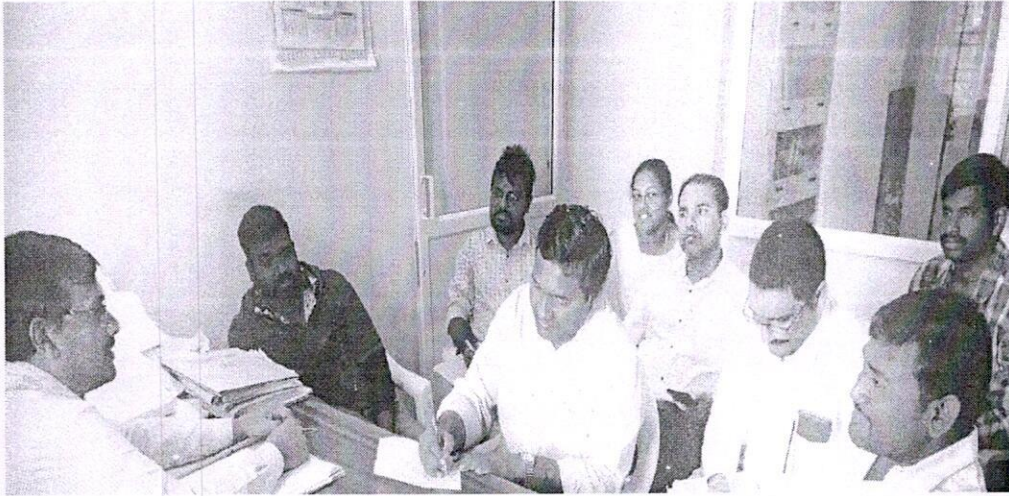
Note: No. of Working / Instructional Days: 93

II SEM


S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork		01.05.2023
2	1 st Spell of Instructions (including Summer Vacation)	01.05.2023	08.07.2023 (10 Weeks)
3	Summer Vacation	15.05.2023	27.05.2023 (2 Weeks)
4	First Mid Term Examinations	10.07.2023	15.07.2023 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before		22.07.2023
6	2 nd Spell of Instructions	18.07.2023	01.09.2023 (8 Weeks)
7	Second Mid Term Examinations	12.09.2023	16.09.2023 (1 Week)
8	Preparation Holidays and Practical Examinations	19.09.2023	23.09.2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before		23.09.2023
10	End Semester Examinations	25.09.2023	07.10.2023 (2 Weeks)

Note: No. of Working / Instructional Days: 92


REGISTRAR



Department Of Electronics and Communication Engineering PAC Meeting Held On 18-07-22.


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OF ENGINEERING AND RESEARCH
Abdullapur (V), Heyathnagar (M).
R.R. District-501 505.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

ACADEMIC CALENDAR 2023-24

B.Tech. I YEAR I & II SEMESTERS

S. No	Description	Duration	
		From	To
1	Induction programme	28.08.2023	02.09.2023
3	1 st Spell of Instructions (including Dussehra Recess)	04.09.2023	04.11.2023 (9 Weeks)
4	Dussehra Recess	23.10.2023	28.10.2023 (1 Week)
5	First Mid Term Examinations	06.11.2023	10.11.2023 (1 Week)
6	Submission of First Mid Term Exam Marks to the University on or before	17.11.2023	
7	2 nd Spell of Instructions	13.11.2023	12.01.2024 (9 Weeks)
8	Second Mid Term Examinations	16.01.2024	22.01.2024 (1 Week)
9	Preparation Holidays and Practical Examinations	23.01.2024	27.01.2024 (1 Week)
10	Submission of Second Mid Term Exam Marks to the University on or before	24.01.2024	
11	End Semester Examinations	29.01.2024	09.02.2024 (2 Weeks)


Note: No. of Working / Instructional Days: 90

II SEM

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	12.02.2024	
2	1 st Spell of Instructions	12.02.2024	06.04.2024 (8 Weeks)
3	First Mid Term Examinations	08.04.2024	16.04.2024 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	20.04.2024	
5	2 nd Spell of Instructions (including Summer Vacation)	18.04.2024	29.06.2024 (10 Weeks)
6	Summer Vacation	13.05.2024	25.05.2024 (2 Weeks)
7	Second Mid Term Examinations	01.07.2024	06.07.2024 (1 Week)
8	Preparation Holidays and Practical Examinations	08.07.2024	12.07.2024 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	10.07.2024	
10	End Semester Examinations	15.07.2024	27.07.2024 (2 Weeks)

Note: No. of Working / Instructional Days: 91

REGISTRAR


KASIREDDY NARAYAN REDDY COLLEGE
OF ENGINEERING AND RESEARCH
 Abdullapur (V), Hoyathnagar (M),
 R.R. District-501 505.

Academic year 2023-24
Department Academic Calender
IV -I &II SEM

S. No	Description	Duration	
		From	TO
1	Commencement of I Semester classwork	31.07.2023	
2	1 st Spell of Instructions	31.07.2023 3	30.10.2023(8 weeks)
3	ADD ON PROGRAM ASIC and FPGA Design	8/21/2023	8/26/2023
4	First Mid Term Examinations	03.10.2023 3	07.10.2023(1 week)
5	ADD ON PROGRAM Machine Learning and Artificial Intelligence (AI) for ECE	10/16/2023 3	10/21/2023
6	Submission of First Mid Term Exam Marks to the University before	13.10.2023	
7	2 nd Spell of Instructions(including Dussehra Recess)	09.10.2023 3	08.12.2023(9 weeks)
8	Dussehra Recess	23.10.2023 3	28.10.2023(1 week)
9	Second Mid Term Examinations	11.12.2023 3	16.12.2023(1 week)
10	Preparation Holidays and Practical Examinations	18.12.2023 4	23.12.2023(1 week)
11	Submission of Second Mid Term Exam marks to the university on or before	28.12.2023	
12	End Semester Examinations	27.12.2023 3	10.01.2024(2 Weeks)


KACADEMY NARAYAN PALLY COLLEGE
AND RESEARCH
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 R.R. District-801 505

4. Sample Internal Exam Timetable:

BRANCH	27-05-2024 FN MONDAY	27-05-2024 AN MONDAY	28-05-2024 FN TUESDAY	28-05-2024 FN TUESDAY	29-05-2024 FN WEDNESDAY	29-05-2024 AN WEDNESDAY
(01-CE)	Hydrology & Water Resources Engineering	Environmental Engineering	Foundation Engineering	E2 Prestressed Concrete	Structural Engineering II(Steel)	(OE1) Fundamentals of Management For Engineers
(02-EEE)	Signals and Systems	Microprocessors & Microcontrollers	Power System Protection	Power Semiconductor Drives	Power System Operation and Control	Entrepreneurship
(03-ME)	Design of Machine Members-II	CAD & CAM	Heat Transfer	Unconventional Machining Processes	Finite Element Methods	Fundamentals of Management For Engineers
(04-ECE)	Antennas and Propagation	Digital Signal Processing		Embedded System Design	VLSI Design	Fundamentals of Management For Engineers
(05-CSE)	Compiler Design	Machine Learning	Design and Analysis of Algorithms	Software Testing Methodologies		Fundamentals of Internet of things
(66-CSE(AI&ML))	Artificial Intelligence	Devops	Natural Language Processing	Cryptography And Network Security		Fundamentals of Internet of things
(67-CSE(DS))	Compiler Design	Machine Learning	Big Data Analytics	Cryptography And Network Security		Fundamentals of Internet of things

Date:24-05-2024

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. READMITTED STUDENTS HAVE TO APPEAR FOR THE SUBSTITUTE SUBJECT(S) [WHICH IS/ARE NOT SHOWN IN THE TIME-TABLE] IN PLACE OF THE SUBJECT(S) ALREADY PASSED. FOR DETAILS OF SUBSTITUTE SUBJECTS REFER THE COMMUNICATIONS RECEIVED FROM THE DIRECTOR OF ACADEMIC & PLANNING.

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R.R. District-501 505.

5. Sample Question Paper:

KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING AND RESEARCH
B.Tech, II Mid-Term Examinations, MAY-2024



6.

Sub: ADC Branch: ECE- (R22)

Year: II

Sem: II

Section: A Max.Time: 120 Min.

Date:

02.05.2024

Session: FN

Answer any FOUR from the following & Each Question Carries 5 Mark: 4X5M=20M

			Course Outcomes	Blooms Level	Marks
Unit-I					
1.	a)	Write about the coherent detection of DSBSC	CO1	L1	2M
	b)	Explain the operation of SSB generation methods.			3M
Unit-II					
2.	a)	Explain spectrum analysis of FM wave using Bessel functions? With equations?	CO1	L1	4M
	b)	Draw the diagram for pre emphasis and de emphasis?	CO1	L2	1M
Unit-I					
3.	a)	Give the time domain and frequency domain equations of DSBSC	CO2	L2	2M
	b)	Explain the operation of PLL?	CO3	L1	3M
Unit-III					
4.	a)	Write about the TRF with block diagram	CO2	L2	3M
	b)	Explain about the characteristics of receiver?	CO2	L2	2M
Unit-I					
5	a)	Describe the single tone modulation of SSB with necessary equations. Assume both modulating and carrier signals are sinusoids.	CO2	L2	5M
6	a)	How AM is generated using square law modulator? Derive relevant expressions.	CO2	L2	5M


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8. Sample Consolidated Internal Marks

KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH(5D)

B.Tech - R18 - III Year - II Semester

ELECTRICAL AND ELECTRONICS ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2024-08-13
10.35.19

HTNO	15620	15627	15630	15632	15672	156BU	156CJ	156CK	156CM	156CV	156DQ
205D1A0201	17	17	16	-	91	17	17	17	17	17	17
205D1A0210	19	19	20	-	93	19	20	19	21	20	21
205D1A0218	19	19	20	-	93	19	19	19	21	20	20
205D1A0228	18	18	18	-	91	18	19	19	20	19	19
215D1A0202	21	22	22	-	96	21	22	22	22	21	22
215D1A0203	22	22	22	-	97	20	21	21	22	22	21
215D1A0204	22	22	21	-	96	21	21	21	22	22	21
215D1A0205	24	24	24	-	99	24	24	24	25	24	24
215D1A0207	21	21	20	-	96	20	20	20	20	20	20
215D1A0208	24	23	24	-	99	24	24	24	24	24	24
225D5A0201	24	23	24	98	98	23	23	23	24	23	23
225D5A0202	19	18	19	93	94	19	19	19	19	19	19
225D5A0204	23	23	23	98	97	23	23	23	24	23	23
225D5A0205	18	18	18	92	92	19	18	18	18	19	18
225D5A0206	23	23	23	98	98	22	22	23	24	23	23
225D5A0208	25	25	25	99	99	25	25	25	25	25	25
225D5A0209	20	20	20	92	95	19	19	19	20	20	19
225D5A0210	19	18	19	92	93	19	20	19	19	19	19
225D5A0211	22	22	22	97	97	23	22	22	23	22	22
225D5A0212	24	24	24	98	98	24	23	24	24	24	24
225D5A0214	25	25	25	99	99	25	25	25	25	25	25
225D5A0216	25	25	25	99	99	25	25	25	25	25	25
225D5A0217	22	22	21	96	98	21	22	22	22	21	21
225D5A0220	19	19	19	94	94	19	19	19	19	20	19
225D5A0224	18	18	18	94	92	18	19	19	19	19	19
225D5A0225	22	22	21	96	96	22	22	22	22	22	21
Total:26	555	552	553	153	249	549	553	553	566	558	554

KASIREDDY NARAYANREDDY COLLEGE
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R.R. District-501 805.

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

10.

Subject Code	Subject Name
156CK	POWER SYSTEM OPERATION AND CONTROL
156CJ	POWER SEMICONDUCTOR DRIVES
156DQ	ENTREPRENEURSHIP
15630	SIGNALS AND SYSTEMS LA
15672	FUNDAMENTALS OF AI
156CM	POWER SYSTEM PROTECTION
15632	ENVIRONMENTAL SCIENCE
15620	MICROPROCESSORS & MICROCONTROLLERS LAB
15627	POWER SYSTEM LAB
156CV	SIGNALS AND SYSTEMS
156BU	MICROPROCESSORS & MICROCONTROLLERS


Signature Of Principal with Date & Office seal

(Handwritten Signature)
PRINCIPAL
KASIREDDY NARAYAN REDDY COLLEGE
OF ENGINEERING & TECHNOLOGY
 Abdullapur (V), Hayashnagar (M),
 P. R. District-501 505.

Study on a topic in the concerned subject). Head of the Dept. will take care of this.

1.11 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 100 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.

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



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Set-3

ABDULLAPUR (V), ABDULLAPURMET(M), RR DIST-501505

III/I-B.Tech I-SEM, I - MID Examination NOV-2022

SUBJECT: BEFA

Date:

BRANCH: EEE

Academic Year: 2022-2023

Answer Any Two Questions from the following

			Course Outcomes	Blooms Level	Marks
Unit-I					
1.	a)	Elaborate the different types of Business Entities.	CO1	L1	2M
	b)	Explain the importance of Economics? Write about Micro and Macro Economics Concepts	CO1	L2	3M
Unit-II					
2.	a)	What do you understand by demand forecasting explain different methods of demand forecasting ?	CO2	L1	2M
	b)	Explain the role of elasticity of demand in decision making?	CO2	L2	3M
Unit-I/II					
3.	a)	Define partnership explain its features evaluate it as against sole proprietorship ?	CO1	L2	2M
	b)	Define different types of Elasticity of Demand.	CO2	L1	3M
Unit-III					
4.	a)	Describe the production functions ?	CO3	L1	2M
	b)	Examine the cost analysis ?	CO3	L2	3M

Fill in the Blanks

(10*½=5 Marks)

- 1) What are the production functions _____
- 2) Company operates in more than one country is called as _____
- 3) How many elasticity od demands _____
- 4) What are the Business entities _____
- 5) In case of necessary goods the elasticity of demand is _____
- 6) The law of demand implies that demand curve _____
- 7) People buy more of good '1' when the price of good '2' rises. These goods are _____
- 8) In a market system, prices are determined by _____
- 9) Under the _____ technique, one set of data is used to predict another set of data.
- 10) _____ said, a fall in price is followed by reduction in quantity demanded and vice versa.

Hall Ticket No:

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III-B. Tech I Semester, Mid Term Test-I, NOV 2021

Name of the Student:

Name of the Subject: **Business Economics And Financial Analysis**

Branch:

Date: **NOV- 2020**

Time: **1 ½ Hrs**

Max Marks: **20**

Answer All questions from the following

PART-B (10M)

Objective Type

(Each question carry ½ mark)

(10*½=5 marks)

Multiple choice questions:

I Choose the correct alternative.

- 1) The objective of the business is _____ []
a) Welfare b) Economic c) Non-Economic D) Society point of view
- 2) The maximum number of private limited company is _____ []
a) 10 b) 7 c) 50 d) 100
- 3) Who has classified Economics into Micro and Macro Economics? []
a) Adam smith b) Alfred Marshal c) Ragnar Frishd) Robinson
- 4) In the following, which element is considered in the national income counting? []
a) A country b) Period of time c) Exchange of value d) All the above
- 5) _____ articulated the concept of business cycles? []
a) Henry Fayolarb) Lord Keynes c) F.W. Taylor d) Adamsmith
- 6) Demand for Durable goods is _____ []
a) Inelastic b) Perfectly elastic c) Perfectly inelastic d) Elastic
- 7) The advantage of survey method in demand forecasting is _____ []
a) Buyers are inaccessible b) Buyers are large number c) Buyers are small number
d) When the product is new and non-availability of previous data
- 8) _____ is supreme authority for company organization []
a) Directors b) Debenture holders c) Share holders d) Creditors
- 9) When _____ of a good rises, the supplier increases the supply to earn profits []
a) Supply b) Demand c) Price d) Income
- 10) _____ is the long term rise in the price of the goods and services caused by the devaluation of currency. []
a) Business Cycle b) Inflation c) Demand Forecasting d) GDP

SUBJECT: BEFA

Date:

BRANCH: EEE

Academic Year: 2022-2023

Answer Any Two Questions from the following

			Course Outcomes	Blooms Level	Marks
Unit-I					
1.	a)	Define Inflation? Explain money supply in Inflation	CO1	L1	2M
	b)	Explain a) Joint stock company b) The structure of Business firm	CO1	L2	3M
Unit-II					
2.	a)	What do you understand by demand forecasting explain different methods of demand forecasting ?	CO2	L1	2M
	b)	Explain the role of elasticity of demand in decision making?	CO2	L2	3M
Unit-I/II					
3.	a)	Define partnership explain its features evaluate it as against sole proprietorship ?	CO1	L2	2M
	b)	What is law of supply? Explain the determinants of supply?	CO2	L1	3M
Unit-III					
4.	a)	Describe the production functions ?	CO3	L1	2M
	b)	Examine the cost analysis ?	CO3	L2	3M



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

(Approved by AICTE & Affiliated to JNTUH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : principal@knrcer.ac.in ; website: www.knrcer.ac.in

DEPARTMENT OF CIVIL ENGINEERING

Academic year 2022-23

Department Academic Calendar

II-I SEM

S. No	Description	Duration	
		From	TO
II-I SEM			
1	Commencement of I Semester class work	28-11-2022	
2	1 st Spell of Instructions	28-11-2022	21-01-2022 (8 Weeks)
3	First Mid Term Examinations	23-01-2023	30-01-2023 (1 Week)
4	Add-on Program	2/1/2023	08/1/2023
5	Submission of First Mid Term Exam Marks to the University on or before	4/2/2023	
6	2 nd Spell of Instructions	31-01-2023	29-03-2023 (8 Weeks)
7	Second Mid Term Examinations	31-03-2023	8/4/2023 (1 Week)
8	Preparation Holidays and Practical	10/4/2023	15-04-2023 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	15-04-2023	
10	End Semester Examinations	17-04-2023	29-04-2023 (2 Weeks)

HOD

Head of the Department
Civil Engineering

Kasireddy Narayan Reddy College of Engg & R.
Abdullapur (V), Abdullapurmet (M), R.R. Dist.

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OF ENGINEERING AND RESEARCH
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R.R. District-501 505.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

EXAMINATION BRANCH

III YEAR B.TECH - I SEMESTER - R18 REGULATION II - MID TERM EXAMINATIONS JANUARY-2023 (ON OFFLINE MODE)

T I M E T A B L E

TIME → FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBJECTIVE EXAM: 10.40 AM TO 11.00 AM)
AN: 1.40 PM TO 03.00 PM (DESCRIPTIVE EXAM: 1.40 PM TO 2.40 PM, OBJECTIVE EXAM: 2.40 PM TO 03.00 PM)

BRANCH	DATE, SESSION AND DAY					
	19-01-2023 FN THURSDAY	19-01-2023 AN THURSDAY	20-01-2023 FN FRIDAY	20-01-2023 AN FRIDAY	21-01-2023 FN SATURDAY	21-01-2023 AN SATURDAY
CIVIL ENGINEERING (01-CE)	Structural Analysis-II	Geotechnical Engineering	Structural Engineering-I	Transportation Engineering	Concrete Technology	Engineering Economics and Accountancy Machinery
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Power Electronics	Power System-II	Measurements and Instrumentation	Business Economics and Financial Analysis	High Voltage Engineering	---
MECHANICAL ENGINEERING (03-ME)	Dynamics of Machinery	Design of Machine Members-I	Metrology & Machine Tools	Business Economics & Financial Analysis	Thermal Engineering-II	Operations Research
ELECTRONICS & COMMUNICATIONS ENGINEERING (04-ECE)	Microprocessor & Microcontrollers	Data Communications and Networks	Control Systems	Business Economics & Financial Analysis	Electronic Measurements and Instrumentation	-----
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Formal Languages & Automata Theory	Software Engineering	Computer Networks	Web Technologies	Principles of Programming Languages	Informational Retrieval Systems
COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (66-CSE(AI&ML))	Design and Analysis of Algorithms	Machine Learning	Computer Networks	Compiler Design	Introduction to Data Science	Information Retrieval Systems
COMPUTER SCIENCE AND ENGINEERING (DATASCIENCE) (67-CSE(DS))	Design and Analysis of Algorithms	Introduction to Data Science	Computer Networks	Data Mining	Artificial Intelligence	Information Retrieval Systems

DATE: 07-11-2022

Sd/-

CONTROLLER OF EXAMINATION

KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING AND RESEARCH
B.Tech. III Year I Sem., I Mid-Term Examinations, NOV-2022

Subject: BEFA

Branch: EEE (R18)

Year: III

SET-I

Date: 12/11/2022 AN

Answer any TWO from the following & Each Question Carries 5 Marks

2X5M=10M

			Course Outcomes	Blooms Level	Marks
Unit-I					
1.	a)	Define Inflation? Explain money supply in Inflation	CO1	L1	2M
	b)	Explain a) Role of Business Economist b) Importance of national income	CO1	L2	3M
Unit-II					
2.	a)	What is elasticity of demand? What are the factors affecting elasticity of demand?	CO2	L1	2M
	b)	Explain the role of elasticity of demand in decision making?	CO2	L2	3M
Unit-I/II					
3.	a)	Explain Micro and Macroeconomic concepts?	CO1	L2	2M
	b)	What is law of supply? Explain the determinants of supply?	CO2	L1	3M
Unit-III					
4.	a)	Describe the production functions ?	CO3	L1	2M
	b)	Examine the cost analysis ?	CO3	L2	3M

6. Sample Slip Test, Quiz Paper:



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

(Approved by AICTE & Affiliated to JNTUH)
 Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.
 Email : principal@knrcer.ac.in ; website: www.knrcer.ac.in

Sample Slip Test & Quiz paper

Branch and Section :ECE A & B

Name of the faculty:L.PRATHIMA

Subject:Embedded System Design

Duration:40min

SLIP TEST

PART –A (SHORT ANSWERS)

1. What are the advantages of embedded system? [CO1 ,BTL1] [2 X 1=2M]
2. What is an ASIC ? [CO3,BTL1]

PART – B (LONG ANSWERS)

- 1.Explain any two operational quality attributes in embedded system design? [CO3,BTL1] [4x2=8M]
- 2.Discuss about Assembly language Programming? [CO3,BTL1]

QUIZ

All questions equal marks: marks - 10 x 0.5=5M

Choose the Correct Alternative:

1	Embedded systems is a)An electronic system b)a pure mechanical system c) an electro-mechanical system d) a or c	()
2	A digital multimeter is an example of embedded systems for a) Data communication b) Monitoring c) control d) all of these	()
3	Which of the following are examples for RTOS a) Windows CE b)Windows XP c)Windows 2000 d)QNX	()
4	The first recognized embedded system is a) AGC B) Apple computer C)Calculator d)none	()
5	RTC acronym a) realtick time B) real clock time C)both D) none	()
6	The data memory of a process holds a) Local variables b) Global variables c) Program instructions d) none of these	()
7	Examples of sleep and wake up based mutual exclusion a) Semaphores b) mutex C)events d)all of these	()
8	IPC stands for a) inter process communication B) intra process control C)inter process control D)none	()
9	What are the different types of multitasking present in operating system a) co-operative b) preemptive c)Non preemptive d)none of these	()
10	What is the minimum no. of interface lines required for implementing I2C interface a) 1 b)2 c)3 d)4	()

03

PRINCIPAL
 KASIREDDY NARAYAN REDDY COLLEGE
 OF ENGINEERING AND RESEARCH
 Abdullapur (V), Hayathnagar (M),
 R.R. District-501 505.

KASIREDDY NARAYAN REDDY COLLEGE
 OF ENGINEERING AND RESEARCH
 Abdullapur (V), Hayathnagar (M),
 R.R. District-501 505.



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085**

**KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH(5D)
B.Tech - R22 - I Year - I Semester
CIVIL ENGINEERING**

Final University Consolidated Internal Marks Report-Date- 2023-04-13 16.04.01

HTNO	18101	18103	18106	18114	18115	18120	181AA	181AE	181AK	181AN
225D1A0101	28	40	47	36	27	96	26	26	29	29
225D1A0102	33	40	47	35	28	95	38	36	31	37
225D1A0103	31	38	45	36	29	95	31	32	32	40
225D1A0104	35	39	46	36	29	94	39	30	33	40
225D1A0105	35	38	46	38	26	94	39	38	27	36
225D1A0106	20	20	37	30	22	94	30	32	29	32
225D1A0107	25	38	47	35	27	95	26	35	28	35
225D1A0108	32	38	46	37	29	94	32	39	31	34
Total:8	239	291	361	283	217	757	261	268	240	283

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

Subject Code	Subject Name
18103	C PROGRAMMING AND DATA STRUCTURES LABORATORY
18114	ENGINEERING WORKSHOP
18115	ENGLISH LANGUAGE AND COMMUNICATION SKILLS LABORATORY
181AE	C PROGRAMMING AND DATA STRUCTURES
18120	ENVIRONMENTAL SCIENCE
181AA	APPLIED PHYSICS
18101	APPLIED PHYSICS LABORATORY
181AK	ENGLISH FOR SKILL ENHANCEMENT
181AN	MATRICES AND CALCULUS
18106	ELEMENTS OF CIVIL ENGINEERING

Signature Of Principal with Date & Office seal



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085**

Kasireddy Narayan Reddy College of Engineering and Research(5D)
B.Tech - R18 - III Year - I Semester
CIVIL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2023-01-28 09.49.15

HTNO	15501	15513	15514	15531	15533	155AQ	155BD	155BN	155DC	155DD	155DJ
205D1A0101	20	20	21	98	98	19	18	17	19	18	19
205D1A0102	23	24	22	99	97	20	20	20	20	20	21
205D1A0103	20	20	20	98	96	18	17	17	18	17	18
205D1A0105	20	20	20	98	98	19	18	18	18	18	18
205D1A0106	20	20	20	99	97	19	18	17	18	18	18
205D1A0108	23	23	23	98	96	23	22	23	23	23	24
205D1A0110	16	16	16	97	98	5	5	5	5	5	5
205D1A0111	23	24	23	98	99	23	23	24	24	23	23
205D1A0112	20	21	20	99	98	19	18	19	19	19	19
205D1A0113	22	22	22	98	97	21	20	21	21	20	21
205D1A0114	23	24	23	99	96	23	23	23	23	24	24
205D1A0116	20	21	21	97	98	19	18	21	19	19	19
205D1A0117	23	23	23	98	99	23	23	24	24	23	23
205D1A0118	24	24	24	98	98	24	24	24	24	24	23
205D1A0119	16	16	16	97	97	12	12	11	12	12	11
205D1A0120	20	20	20	98	99	15	20	16	16	16	18
205D1A0121	20	21	20	97	98	21	22	21	22	23	22
205D1A0123	23	24	23	96	97	23	23	23	24	24	23
205D1A0124	16	16	16	97	99	10	10	10	10	10	10
205D1A0125	22	22	22	98	98	20	20	20	20	20	20
205D1A0128	20	21	21	97	97	21	21	21	21	21	21
205D1A0129	20	21	20	98	96	17	17	18	18	18	18
205D1A0130	20	21	20	99	97	20	21	20	21	21	21
205D1A0131	22	23	22	98	96	19	21	20	21	21	22
205D1A0132	22	23	23	99	97	22	23	21	23	23	22
205D1A0133	16	16	16	97	96	5	5	5	5	5	5
205D1A0134	18	19	18	98	97	18	17	17	18	18	16
205D1A0135	14	5	5	99	96	5	5	5	5	5	5
205D1A0136	14	14	14	98	97	13	12	12	12	12	12
205D1A0137	20	20	20	98	96	19	18	19	19	18	18
215D5A0101	23	24	23	97	97	23	23	23	23	23	23
215D5A0102	23	24	23	99	96	23	23	23	24	23	23

HTNO	15501	15513	15514	15531	15533	155AQ	155BD	155BN	155DC	155DD	155DJ
215D5A0103	23	24	23	98	97	22	23	22	23	23	23
215D5A0104	24	24	24	97	96	24	24	24	24	24	24
215D5A0105	24	24	24	98	98	23	23	23	24	24	24
215D5A0106	16	15	16	97	99	5	5	5	5	5	5
215D5A0107	23	22	23	99	87	23	23	23	24	23	23
215D5A0108	23	22	23	98	98	23	23	22	23	23	24
215D5A0109	24	23	24	97	97	23	24	24	23	24	24
215D5A0111	23	23	23	99	98	23	23	23	24	24	24
215D5A0112	24	23	24	98	97	23	23	23	23	23	24
215D5A0113	22	21	22	97	98	20	20	20	20	21	21
215D5A0114	22	21	22	98	99	21	20	20	21	21	20
215D5A0115	16	5	16	98	98	12	12	12	12	12	12
215D5A0116	22	22	22	99	97	21	21	22	22	22	21
215D5A0117	23	23	23	98	97	23	23	23	23	23	23
215D5A0119	23	23	23	98	98	23	23	23	23	23	23
215D5A0120	20	22	20	87	96	19	19	19	19	19	20
215D5A0121	23	24	23	98	98	23	23	23	23	24	23
215D5A0122	23	24	23	97	97	22	23	23	23	23	23
215D5A0123	23	24	23	98	98	23	23	23	24	23	23
215D5A0124	23	24	23	97	96	23	21	22	22	22	22
215D5A0125	23	24	23	96	97	23	23	23	22	23	23
215D5A0126	22	23	22	97	96	20	20	20	21	21	21
215D5A0127	22	22	22	96	97	20	20	21	20	21	21
215D5A0128	23	22	23	98	96	22	22	23	23	23	23
215D5A0129	24	24	24	98	99	24	24	24	24	24	23
215D5A0130	23	24	24	99	97	23	23	24	24	23	23
Total:58	122 7	122 4	122 2	566 4	563 2	113 2	113 1	113 2	114 8	114 5	114 5

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

Subject Code	Subject Name
15531	INTELLECTUAL PROPERTY RIGHTS
155BN	GEOTECHNICAL ENGINEERING
155BD	ENGINEERING ECONOMICS AND ACCOUNTANCY
15513	GEOTECHNICAL ENGINEERING LAB
15501	ADVANCED COMMUNICATION SKILLS LAB
155AQ	CONCRETE TECHNOLOGY
15533	CYBER SECURITY
155DD	STRUCTURAL ENGINEERING I (RCC)
155DC	STRUCTURAL ANALYSIS II
155DJ	TRANSPORTATION ENGINEERING

15514

HIGHWAY ENGINEERING AND CONCRETE
TECHNOLOGY LAB

Signature Of Principal with Date & Office seal



**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085**

Kasireddy Narayan Reddy College of Engineering and Research(5D)

B.Tech - R18 - III Year - I Semester

CIVIL ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2023-01-28 09.49.15

HTNO	15501	15513	15514	15531	15533	155AQ	155BD	155BN	155DC	155DD	155DJ
205D1A0101	20	20	21	98	98	19	18	17	19	18	19
205D1A0102	23	24	22	99	97	20	20	20	20	20	21
205D1A0103	20	20	20	98	96	18	17	17	18	17	18
205D1A0105	20	20	20	98	98	19	18	18	18	18	18
205D1A0106	20	20	20	99	97	19	18	17	18	18	18
205D1A0108	23	23	23	98	96	23	22	23	23	23	24
205D1A0110	16	16	16	97	98	5	5	5	5	5	5
205D1A0111	23	24	23	98	99	23	23	24	24	23	23
205D1A0112	20	21	20	99	98	19	18	19	19	19	19
205D1A0113	22	22	22	98	97	21	20	21	21	20	21
205D1A0114	23	24	23	99	96	23	23	23	23	24	24
205D1A0116	20	21	21	97	98	19	18	21	19	19	19
205D1A0117	23	23	23	98	99	23	23	24	24	23	23
205D1A0118	24	24	24	98	98	24	24	24	24	24	23
205D1A0119	16	16	16	97	97	12	12	11	12	12	11
205D1A0120	20	20	20	98	99	15	20	16	16	16	18
205D1A0121	20	21	20	97	98	21	22	21	22	23	22
205D1A0123	23	24	23	96	97	23	23	23	24	24	23
205D1A0124	16	16	16	97	99	10	10	10	10	10	10
205D1A0125	22	22	22	98	98	20	20	20	20	20	20
205D1A0128	20	21	21	97	97	21	21	21	21	21	21
205D1A0129	20	21	20	98	96	17	17	18	18	18	18
205D1A0130	20	21	20	99	97	20	21	20	21	21	21
205D1A0131	22	23	22	98	96	19	21	20	21	21	22
205D1A0132	22	23	23	99	97	22	23	21	23	23	22
205D1A0133	16	16	16	97	96	5	5	5	5	5	5
205D1A0134	18	19	18	98	97	18	17	17	18	18	16
205D1A0135	14	5	5	99	96	5	5	5	5	5	5
205D1A0136	14	14	14	98	97	13	12	12	12	12	12
205D1A0137	20	20	20	98	96	19	18	19	19	18	18
215D5A0101	23	24	23	97	97	23	23	23	23	23	23
215D5A0102	23	24	23	99	96	23	23	23	24	23	23

HTNO	15501	15513	15514	15531	15533	155AQ	155BD	155BN	155DC	155DD	155DJ
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215D5A0104	24	24	24	97	96	24	24	24	24	24	24
215D5A0105	24	24	24	98	98	23	23	23	24	24	24
215D5A0106	16	15	16	97	99	5	5	5	5	5	5
215D5A0107	23	22	23	99	87	23	23	23	24	23	23
215D5A0108	23	22	23	98	98	23	23	22	23	23	24
215D5A0109	24	23	24	97	97	23	24	24	23	24	24
215D5A0111	23	23	23	99	98	23	23	23	24	24	24
215D5A0112	24	23	24	98	97	23	23	23	23	23	24
215D5A0113	22	21	22	97	98	20	20	20	20	21	21
215D5A0114	22	21	22	98	99	21	20	20	21	21	20
215D5A0115	16	5	16	98	98	12	12	12	12	12	12
215D5A0116	22	22	22	99	97	21	21	22	22	22	21
215D5A0117	23	23	23	98	97	23	23	23	23	23	23
215D5A0119	23	23	23	98	98	23	23	23	23	23	23
215D5A0120	20	22	20	87	96	19	19	19	19	19	20
215D5A0121	23	24	23	98	98	23	23	23	23	24	23
215D5A0122	23	24	23	97	97	22	23	23	23	23	23
215D5A0123	23	24	23	98	98	23	23	23	24	23	23
215D5A0124	23	24	23	97	96	23	21	22	22	22	22
215D5A0125	23	24	23	96	97	23	23	23	22	23	23
215D5A0126	22	23	22	97	96	20	20	20	21	21	21
215D5A0127	22	22	22	96	97	20	20	21	20	21	21
215D5A0128	23	22	23	98	96	22	22	23	23	23	23
215D5A0129	24	24	24	98	99	24	24	24	24	24	23
215D5A0130	23	24	24	99	97	23	23	24	24	23	23
Total:58	122 7	122 4	122 2	566 4	563 2	113 2	113 1	113 2	114 8	114 5	114 5

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

Subject Code	Subject Name
15531	INTELLECTUAL PROPERTY RIGHTS
155BN	GEOTECHNICAL ENGINEERING
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15513	GEOTECHNICAL ENGINEERING LAB
15501	ADVANCED COMMUNICATION SKILLS LAB
155AQ	CONCRETE TECHNOLOGY
15533	CYBER SECURITY
155DD	STRUCTURAL ENGINEERING I (RCC)
155DC	STRUCTURAL ANALYSIS II
155DJ	TRANSPORTATION ENGINEERING

15514

HIGHWAY ENGINEERING AND CONCRETE
TECHNOLOGY LAB

Signature Of Principal with Date & Office seal



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

(Approved by AICTE & Affiliated to JNTUH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : principal@knrcer.ac.in ; website: www.knrcer.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING MAJOR PROJECT STAGE- II REVIEW-II 2022-2023

LASS:IV

BATCH NO: A1

TITLE: Traffic clearance for Emergency vehicle

S.NO.	Hall Ticket No	Name	Signature
1	195D1A0420	C. Manjuresh	Manjuresh
2	195D1A0437	A. Venkatesh	Venkatesh
3	195D1A0439	J. Mohan	Mohan
4	195D1A0444	K. Uday	Uday
5			

NAME OF THE GUIDE:	BASIC DESCRIPTION OF TOPIC	PROJECT STATUS	SIGNATURE
M. Nikhil Kumar	for emergency veh	757.	[Signature]

S.NO.	Particulars(50)	Batch Details				
		420	437	439	444	
	Student Hall Ticket No'S	420	437	439	444	
1	Abstract -05	04	04	04	04	
2	Objectives & Introduction -05	05	05	05	05	
3	Proposed System & Advantages -05	04	05	04	05	
4	Quality/Clarity Of The PPT,Document -05	05	04	05	04	
5	Demonstration Of The Topic -20	19	19	19	19	
6	Presentation Skills -20	19	19	19	18	
7	Overall Performance -15	15	14	15	15	
	Total Marks Secured -75	71	72	71	72	

EMARS:

IGN OF PRC MEMBER

SIGN OF PROJECT CO-ORDINATOR

SIGN OF HOD

PROJECT REVIEW COMMITTEE: APPROVED/NOT APPROVED



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

(Approved by AICTE & Affiliated to JNTUH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : principal@knrcer.ac.in ; website: www.knrcer.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING MAJOR PROJECT STAGE-I REVIEW-III 2022-2023

LASS:IV

BATCH NO: ___

ITLE Traffic clearance for Emerg vehicle

S.NO.	Hall Ticket No	Name	Signature
1	195DIAD0420	C. Manoj Kumar	
2	195DIAD0437	A. Venkatesh	
3	195DIAD0439	J. Mohan	
4	195DIAD0444	P. Suman	
5			

NAME OF THE GUIDE:	BASIC DESCRIPTION OF TOPIC	PROJECT STATUS	SIGNATURE
M.N. Chits, Thakam	Emergency vehicle	Completed	

S.NO.	Particulars(50)	Batch Details			
		Student Hall Ticket No'S	420	437	439
1	Abstract -05	04	05	04	05
2	Objectives & Introduction -05	04	05	04	04
3	Proposed System & Advantages -05	05	05	05	04
4	Quality/Clarity Of The PPT, Document -05	05	05	05	05
5	Demonstration Of The Topic -20	05	05	20	18
6	Presentation Skills -20	19	05	18	18
7	Overall Performance -15	20	18	14	15
Total Marks Secured -75		71	73	71	72

EMARS:

Please bits explained

IGN OF PRC MEMBER

SIGN OF PROJECT CO-ORDINATOR

SIGN OF HOD

PROJECT REVIEW COMMITTEE: APPROVED/NOT APPROVED



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

(Approved by AICTE & Affiliated to JNTUH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : principal@knrcer.ac.in ; website: www.knrcer.ac.in

Project Evaluation Sheets:

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING MAJOR PROJECT STAGE- 4 REVIEW-I 2022-2023

LASS:IV

BATCH NO: A1

ITILE: Traffic clearance for Emergency Vehicle

S.NO.	Hall Ticket No	Name	Signature
1	195D1A0420	C. Manoj Kumar	Manoj
2	195D1A0437	G. Venkatesh	Venkat
3	195D1A0439	S. Mohan	Mohan
4	195D1A0444	K. Vinay	Vinay
5			

NAME OF THE GUIDE:	BASIC DESCRIPTION OF TOPIC	PROJECT STATUS	SIGNATURE
M. Nikhil Sitha Reddy	for Emergency Vehicle	307.	

S.NO.	Particulars(50)	Batch Details				
		420	437	439	444	
	Student Hall Ticket No'S	420	437	439	444	
1	Abstract -05	04	05	04	05	
2	Objectives & Introduction -05	04	05	04	04	
3	Proposed System & Advantages -05	05	05	05	04	
4	Quality/Clarity Of The PPT,Document -05	05	05	05	05	
5	Demonstration Of The Topic -20	18	05	20	19	
6	Presentation Skills -20	20	19	18	19	
7	Overall Performance -15	14	15	14	15	
	Total Marks Secured -75	71	73	71	72	

EMARS:

Improve next round.

SIGN OF PRC MEMBER

SIGN OF PROJECT CO-ORDINATOR

SIGN OF HOD

PROJECT REVIEW COMMITTEE: APPROVED/NOT APPROVED



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

(Approved by AICTE & Affiliated to JNTUH)

Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

Email : principal@knrcer.ac.in ; website: www.knrcer.ac.in

PROGRAMME ASSESMENT COMMITTEE

DEPARTMENT OF ECE

DATE:04-07-2022

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, 3 senior faculty members, 01 Alumni, 01 industrial nominee and the members of PAC listed below. The following composition is valid for 02 Academic years (2023-2024 & 2024-2025) 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: 2021-2022 & 2022-2023.

S.NO.	Name Of The Faculty	Designation
1	Dr. RAJKUMAR AGARWAL, Professor	Chairman
2	Dr. N.ASHOK KUMAR, Professor	HOD
3	Mrs. L.PRATHIMA, Associate Professor	NAAC Program Co-Coordinator
4	Mr. V. GANESH, Associate Professor	NAAC Program Co-Coordinator
5	Mr. M. VARASUNDAR, Associate Professor	Industry Representative
6	Mr. P.SITHARAMAIAH, Associate Professor	Senior Faculty
7	Mr. M. NIKHIL SITHARAM, Associate Professor	Senior Faculty
8	Mr. K. HARINATHA REDDY, Associate Professor	Senior Faculty
9	M.SHAMINI, Assistant Professor	Member
10	P. GOPAL REDDY, Student Alumni	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 curricular gaps.
5. Arranging meeting with stakeholders (industry, students) to take necessary actions/activities to fill curricular gaps.
6. Approve and continuously assess the reports received from the other committees and submit a report to DAC.

Dr. N. ASHOK KUMAR
(HOD-ECE)



KASIREDDY NARAYANREDDY COLLEGE OF ENGINEERING & RESEARCH.

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Abdullapur (V), Abdullapurmet (M), R.R Dist, 501505, Telangana, INDIA.

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Seminar Evaluation Sheet

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

B.TECH IV YEAR I SEMESTER

SEMINAR EVALUATION FORM

2023-2024

CLASS & BRANCH : IV ECE I SEM

SUBJECT NAME : SEMINAR

SUBJECT CODE : 15709

ROLL NUMBER : 195D1A0426

STUDENT NAME : D. MAINA

SEMINAR TITLE :

DATE OF PRESENTATION : Blue tooth technology

S.NO.	RUBRICS	MARKS
1	EVALUATION OF THE TECHNICAL REPORT (SEMINAR REPORT)(15M)	
	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. Lay Out And Content Of Presentation	3 / 3
	E. Depth Of Student Knowledge In The Subject	4 / 5
	TOTAL	14 / 15
2	Evaluation Of The PRESENTATION	
	A. Contents	9 / 10
	B. Delivery	9 / 10
	C. Relevance And Interests The Topic Creates	5 / 5
	D. Ability To Involve The Spectators	5 / 5
	E. Question Answer Session	5 / 5
	TOTAL	32 / 35
3	SUPERVISOR MARKS	19 / 20
4	SENIOR FACULTY MARKS	15 / 15
5	ADMIN IN-CHARGE/ACADAMIC IN-CHARGE/ HOD MARKS	15 / 15
	GRAND TOTAL	97 / 100

Additional Comments:

SIGNATURE OF THE EVALUATORS

SEMINAR SUPERVISOR

SENIOR FACULTY MEMBER

HEAD OF THE DEPARTMENT