



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

ACADEMIC REGULATIONS FOR B.TECH. REGULAR STUDENTS

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

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

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

2.0 **Eligibility for admission**

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

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

3.0 **B.Tech. Programme structure**

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

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

3.2.1 **Semester scheme**

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

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

3.2.2 Credit courses

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

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

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

3.2.3 Subject Course Classification

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

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

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

4.0 Course registration

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

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

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

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

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

5.0 **Subjects/ courses to be offered**

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

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

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

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

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

6.0 **Attendance requirements:**

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

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

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

7.0 **Academic requirements**

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

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

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

7.3 Promotion Rules

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

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

in the blanks and matching type of questions for a total of 10 marks. The descriptive paper shall contain 4 full questions out of which, the student has to answer 2 questions, each carrying 5 marks. While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus. Five marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-term examination, and the second assignment should be submitted before the conduct of the second mid-term examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each student in Continuous Internal Evaluation. If any student is absent from any subject of a mid-term examination, an on-line test will be conducted for him by the University. The details of the end semester question paper pattern are as follows:

- 8.2.1** The semester end examinations (SEE) will be conducted for 75 marks consisting of two parts viz. i) **Part- A** for 25 marks, ii) **Part - B** for 50 marks.
- Part-A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit and carry 2 marks each. The next five sub-questions are one from each unit and carry 3 marks each.
 - Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.
- 8.2.2** For subjects like **Engineering Graphics/Engineering Drawing**, the SEE shall consist of five questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions. There shall be no Part – A, and Part – B system.
- 8.2.3** For subjects like **Machine Drawing Practice/Machine Drawing**, the SEE shall be conducted for 75 marks consisting of two parts viz. (i) Part – A for 30 marks. 3 out of 4 questions must be answered, (ii) Part – B for 45 marks. Part – B is compulsory.
- 8.2.4** For the Subject **Estimation, Costing and Project Management**, the SEE paper should consist of Part- A, Part-B and Part C. (i) Part – A – 1 out of 2 questions from Unit – I for 30 Marks, (ii) Part – B – 1 out of 2 questions from Unit – II for 15 Marks, (iii) Part – C – 3 out of 5 questions from Units – III, IV, V for 30 Marks.
- 8.2.5** For subjects **Structural Engineering – I & II (RCC & STEEL)**, the SEE will be conducted for 75 marks consisting of 2 parts viz. (i) Part – A for 15 marks and, (i) Part – B for 60 marks. Part – A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit relating to design theory and codal provisions and carry 2 marks each. The next five sub-questions are from each unit and carry 1 mark each. Part – B consists of 5 questions (numbered 2 to 6)

carrying 12 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there is either or choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

- 8.3 For practical subjects there shall be a continuous internal evaluation during the semester for 25 marks and 75 marks for semester end examination. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. The semester end examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.
- 8.4 For the subject having design and/or drawing, (such as engineering graphics, engineering drawing, machine drawing, machine drawing practice and estimation), the distribution shall be 25 marks for continuous internal evaluation (15 marks for day-to-day work and 10 marks for internal tests) and 75 marks for semester end examination. There shall be two internal tests in a semester and the average of the two shall be considered for the award of marks for internal tests.
- 8.5 There shall be an Industrial Oriented Mini Project/Summer Internship, in collaboration with an industry of their specialization. Students will register for this immediately after III year II semester examinations and pursue it during summer vacation. Industrial Oriented Mini Project/Summer Internship shall be submitted in a report form and presented before the committee in IV year I semester. It shall be evaluated for 100 external marks. The committee consists of an external examiner, Head of the Department, supervisor of the Industrial Oriented mini project/Summer Internship and a senior faculty member of the department. There shall be no internal marks for Industrial Oriented Mini Project/Summer Internship.
- 8.6 There shall be a seminar presentation in IV year I semester. For the seminar, the student shall collect the information on a specialized topic, prepare a technical report, and submit it to the department. It shall be evaluated by the departmental committee consisting of Head of the Department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 100 internal marks. There shall be no semester end examination for the seminar.
- 8.7 UG project work shall be carried out in two stages: Project Stage – I during IV Year I Semester, Project Stage – II during IV Year II Semester. Each stage will be evaluated for 100 marks. Student has to submit project work report at the end of each semester. First report includes project work carried out in IV Year I semester and second report includes project work carried out in IV Year I & II Semesters. SEE for both project stages shall be completed before the commencement of SEE Theory examinations.
- 8.8 For Project Stage – I, the departmental committee consisting of Head of the Department, project supervisor and a senior faculty member shall evaluate the project

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

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

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

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

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

- 8.10 The laboratory marks and the internal marks awarded by the college are subject to scrutiny and scaling by the University wherever necessary. In such cases, the internal and laboratory marks awarded by the college will be referred to a committee. The committee will arrive at a scaling factor and the marks will be scaled accordingly. The recommendations of the committee are final and binding. The laboratory records and internal test papers shall be preserved in the respective institutions as per the University rules and produced before the committees of the University as and when asked for.

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

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

9.0 Grading procedure

- 9.1 Grades will be awarded to indicate the performance of students in each theory subject, laboratory / practicals, seminar, Industry Oriented Mini Project, and project Stage - I & II. Based on the percentage of marks obtained (Continuous Internal Evaluation plus

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

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

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

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

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

- 9.7 A student passes the subject/ course only when $GP \geq 5$ ('C' grade or above)

- 9.8 The Semester Grade Point Average (SGPA) is calculated by dividing the sum of credit points (Σ 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

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

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

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

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

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

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

Illustration of calculation of SGPA:

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

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

Illustration of calculation of CGPA up to 3rd semester:

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

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

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

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

10.0 Passing standards

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

11.0 Declaration of results

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

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


12.0 Award of degree

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

A student not fulfilling any of the above conditions with final CGPA > 8 shall be placed in '**first class**'.

- 12.4 Students with final CGPA (at the end of the under graduate programme) ≥ 6.50 but < 8.00 shall be placed in '**first class**'.
- 12.5 Students with final CGPA (at the end of the under graduate programme) ≥ 5.50 but < 6.50 , shall be placed in '**second class**'.
- 12.6 All other students who qualify for the award of the degree (as per item 12.1), with final CGPA (at the end of the under graduate programme) ≥ 5.00 but < 5.50 , shall be placed in '**pass class**'.
- 12.7 A student with final CGPA (at the end of the under graduate programme) < 5.00 will not be eligible for the award of the degree.
- 12.8 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of '**Gold Medal**'.
- 13.0 **Withholding of results**
- 13.1 If the student has not paid the fees to the University at any stage, or has dues pending due to any reason whatsoever, or if any case of indiscipline is pending, the result of the student may be withheld, and the student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.
- 14.0 **Student transfers**
- 14.1 There shall be no branch transfers after the completion of admission process.
- 14.2 There shall be no transfers from one college/stream to another within the constituent colleges and units of Jawaharlal Nehru Technological University Hyderabad.
- 14.3 The students seeking transfer to colleges affiliated to JNTUH from various other Universities/institutions have to pass the failed subjects which are equivalent to the subjects of JNTUH, and also pass the subjects of JNTUH which the students have not studied at the earlier institution. Further, though the students have passed some of the subjects at the earlier institutions, if the same subjects are prescribed in different semesters of JNTUH, the students have to study those subjects in JNTUH in spite of the fact that those subjects are repeated.
- 14.4 The transferred students from other Universities/institutions to JNTUH affiliated colleges who are on rolls are to be provided one chance to write the CBT (internal marks) in the **equivalent subject(s)** as per the clearance letter issued by the University.
- 14.5 The autonomous affiliated colleges have to provide one chance to write the internal examinations in the **equivalent subject(s)** to the students transferred from other universities/institutions to JNTUH autonomous affiliated colleges who are on rolls, as per the clearance (equivalence) letter issued by the University.
- 15.0 **Scope**
- 15.1 The academic regulations should be read as a whole, for the purpose of any interpretation.

- 15.2 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 15.3 The University may change or amend the academic regulations, course structure or syllabi at any time, and the changes or amendments made shall be applicable to all students with effect from the dates notified by the University authorities.
- 15.4 Where the words “he”, “him”, “his”, occur in the regulations, they include “she”, “her”, “hers”.


Principal
Megha Inst. of Engg. & Tech for Women
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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.
- 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.
 - 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.
 - The attendance requirements of B. Tech. (Regular) shall be applicable to B.Tech. (LES).
- #### 5. Promotion rule

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

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

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

MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

	Nature of Malpractices/Improper conduct	Punishment
	If the student:	
1. (a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, cell phones, pager, palm computers or any other form of material concerned with or related to the subject of the examination (theory or practical) in which student is appearing but has not made use of (material shall include any marks on the body of the student which can be used as an aid in the subject of the examination)	Expulsion from the examination hall and cancellation of the performance in that subject only.
(b)	Gives assistance or guidance or receives it from any other student orally or by any other body language methods or communicates through cell phones with any student or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the students involved. In case of an outsider, he will be handed over to the police and a case is registered against him.
2.	Has copied in the examination hall from any paper, book, programmable calculators, palm computers or any other form of material relevant to the subject 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>
7.	<p>Leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof inside or outside the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.</p>
8.	<p>Possesses any lethal weapon or firearm in the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.</p>

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

Malpractices identified by squad or special invigilators

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

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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. REGULAR STUDENTS

WITH EFFECT FROM

ACADEMIC YEAR 2016-17 (R-16)

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

1.1 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 2016-17 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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2.0 Eligibility for admission

- 2.1 Admission to the under graduate programme shall be made either on the basis of the merit rank obtained by the qualified student in entrance test conducted by the Telangana State Government (EAMCET) or the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the government from time to time.
- 2.2 The medium of instructions for the entire under graduate programme in E&T will be **English** only.

3.0 B.Tech. Programme structure

- 3.1 A student after securing admission shall pursue the under graduate programme in B.Tech. 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 semester is structured to provide 24 credits, totaling to 192 credits for the entire B.Tech. programme.

Each student shall secure 192 credits (with CGPA ≥ 5) required for the completion of the under graduate programme and award of the B.Tech. degree.

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

3.2.1 Semester scheme

Each under graduate programme is of 4 academic years (8 semesters) with the academic year being divided into two semesters of 22 weeks (≥ 90 instructional days) each, each semester having - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) as indicated by UGC and curriculum / course structure as suggested by AICTE are followed.

3.2.2 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.
- One credit for two hours/ week/ semester for laboratory/ practical (P) courses or Tutorials (T).

Courses like Environmental Science, Professional Ethics, Gender Sensitization lab and other student activities like NCC/NSO and NSS are identified as mandatory courses. These courses will not carry any credits.

3.2.3 Subject Course Classification

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

S. No.	Broad Course Classification	Course Group/ Category	Course Description
1	Foundation Courses (FnC)	BS – Basic Sciences	Includes mathematics, physics and chemistry subjects
2		ES - Engineering Sciences	Includes fundamental engineering subjects
3		HS – Humanities and Social sciences	Includes subjects related to humanities, social sciences and management
4	Core Courses (CoC)	PC – Professional Core	Includes core subjects related to the parent discipline/ department/ branch of Engineering.
5	Elective Courses (E/C)	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
8		Industrial training/ Mini- project	Industrial training/ Internship/ UG Mini-project/ Mini-project
9		Seminar	Seminar/ Colloquium based on core contents related to parent discipline/ department/ branch of Engineering.
10	Minor courses	-	1 or 2 Credit courses (subset of HS)
11	Mandatory Courses (MC)	-	Mandatory courses (non-credit)

4.0 Course registration

- 4.1 A 'faculty advisor or counselor' shall be assigned to a group of 15 students, who will advise student about the under graduate programme, its course structure and curriculum, choice/option for subjects/ courses, based on their competence, progress, pre-requisites and interest.
- 4.2 The academic section of the college invites 'registration forms' from students before the beginning of the semester through 'on-line registration', ensuring 'date and time stamping'. The on-line registration requests for any 'current semester' shall be **completed before the commencement of SEEs (Semester End Examinations) of the 'preceding semester'**.
- 4.3 A student can apply for **on-line** registration, **only after** obtaining the '**written approval**' from faculty advisor/counselor, which should be submitted to the college academic section through the Head of the Department. A copy of it shall be retained with Head of the Department, faculty advisor/ counselor and the student.
- 4.4 A student may be permitted to register for the subjects/ courses of **choice** with a total of 24 credits per semester (minimum of 20 credits and maximum of 28 credits per semester and permitted deviation of $\pm 17\%$), 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. However, a **minimum** of 20 credits per semester must be registered to ensure the '**studentship**' in any semester.
- 4.5 Choice for '**additional subjects/ courses**' to reach the maximum permissible limit of 28 credits (above the typical 24 credit norm) must be clearly indicated, which needs the specific approval and signature of the faculty advisor/ counselor.
- 4.6 If the student submits ambiguous choices or multiple options or erroneous entries during **on-line** registration for the subject(s) / course(s) under a given/ specified course group/ category as listed in the course structure, only the first mentioned subject/ course in that category will be taken into consideration.
- 4.7 Subject/ course options exercised through **on-line** registration are final and **cannot** be changed or inter-changed; further, alternate choices also will not be considered. However, if the subject/ course that has already been listed for registration by the Head of the Department in a semester could not be offered due to any unforeseen or unexpected reasons, then the student shall be allowed to have alternate choice either for a new subject (subject to offering of such a subject), or for another existing subject (subject to availability of seats). Such alternate arrangements will be made by the head of the department, with due notification and time-framed schedule, within the **first week** after the commencement of class-work for that semester.

- 4.8 Dropping of subjects/ courses may be permitted, only after obtaining prior approval from the faculty advisor/ counselor (subject to retaining a minimum of 20 credits), **'within a period of 15 days'** from the beginning of the current semester.
- 4.9 **Open electives:** The students have to choose one open elective (OE-I) during III year I semester, one (OE-II) during III year II semester, and one (OE-III) in IV year II semester, from the list of open electives given. However, the student cannot opt for an open elective subject offered by their own (parent) department, if it is already listed under any category of the subjects offered by parent department in any semester.
- 4.10 **Professional electives:** students have to choose professional elective (PE-I) in III year II semester, Professional electives II, III, and IV (PE-II, III and IV) in IV year I semester, Professional electives V, and VI (PE-V and VI) in IV year II semester, from the list of professional electives given. However, the students may opt for professional elective subjects offered in the related area.
- 5.0 **Subjects/ courses to be offered**
- 5.1 A typical section (or class) strength for each semester shall be 60.
- 5.2 A subject/ course may be offered to the students, **only if** a minimum of 20 students (1/3 of the section strength) opt for it. The maximum strength of a section is limited to 80 (60 + 1/3 of the section strength).
- 5.3 More than **one faculty member** may offer the **same subject** (lab/ practical may be included with the corresponding theory subject in the same semester) in any semester. However, selection of choice for students will be based on - **'first come first serve** basis and CGPA criterion' (i.e. the first focus shall be on early **on-line entry** from the student for registration in that semester, and the second focus, if needed, will be on CGPA of the student).
- 5.4 If more entries for registration of a subject come into picture, then the Head of Department concerned shall decide, whether or not to offer such a subject/ course for **two (or multiple) sections**.
- 5.5 In case of options coming from students of other departments/ branches/ disciplines (not considering **open electives**), first **priority** shall be given to the student of the **'parent department'**.
- 6.0 **Attendance requirements:**
- 6.1 A student shall be eligible to appear for the semester end examinations, if student acquires a minimum of 75% of attendance in aggregate of all the subjects/ courses (excluding attendance in mandatory courses Environmental Science, Professional Ethics, Gender Sensitization Lab, NCC/NSO and NSS) for that semester.

- 6.2 Shortage of attendance in aggregate up to 10% (65% and above, and below 75%) in each semester may be condoned by the college academic committee on genuine and valid grounds, based on the student's representation with supporting evidence.
- 6.3 A stipulated fee shall be payable towards condoning of shortage of attendance.
- 6.4 Shortage of attendance below 65% in aggregate shall in **no** case be condoned.
- 6.5 **Students whose shortage of attendance is not condoned in any semester are not eligible to take their end examinations of that semester. They get detained and their registration for that semester shall stand cancelled. They will not be promoted to the next semester.** They may seek re-registration for all those subjects registered in that semester in which student was detained, by seeking re-admission into that semester as and when offered; in case 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% marks (26 out of 75 marks) in the semester end examination, and a minimum of 40% of 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 UG Mini Project and seminar, if student secures not less than 40% marks (i.e. 40 out of 100 allotted marks) in each of them. The student would be treated as failed, if student (i) does not submit a report on UG Mini Project, 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 industry UG Mini Project / seminar evaluations.

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

7.3 Promotion Rules

S. No.	Promotion	Conditions to be fulfilled
1	First year first semester to first year second semester	Regular course of study of first year first semester.
2	First year second semester to second year first semester	(i) Regular course of study of first year second semester. (ii) Must have secured at least 24 credits out of 48 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 58 credits out of 96 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 86 credits out of 144 credits i.e., 60% credits up to third year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
7	Fourth year first semester to fourth year second semester	Regular course of study of fourth year first semester.

7.4 A student shall register for all subjects covering 192 credits as specified and listed in the course structure, fulfills all the attendance and academic requirements for 192 credits,

'earn all 192 credits by securing SGPA ≥ 5.0 (in each semester), and CGPA (at the end of each successive semester) ≥ 5.0 , to successfully complete the under graduate programme.

- 7.5 After securing the necessary 192 credits as specified for the successful completion of the entire under graduate programme, the student can avail exemption of two subjects up to 6 credits, that is, one open elective and one professional elective subject or two professional elective subjects for optional drop out from these 192 credits earned; resulting in 186 credits for under graduate programme performance evaluation, i.e., the performance of the student in these 186 credits shall alone be taken into account for the calculation of 'the final CGPA (at the end of under graduate programme, which takes the SGPA of the IV year II semester into account)', and shall be indicated in the grade card of IV year II semester. However, the performance of student in the earlier individual semesters, with the corresponding SGPA and CGPA for which grade cards have already been given will not be altered.
- 7.6 If a student registers for some more '**extra subjects**' (in the parent department or other departments/branches of engg.) other than those listed subjects totaling to 192 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 192 credits) will not be taken into account while calculating the SGPA and CGPA. For such '**extra subjects**' registered, % 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 – 7.5 above.
- 7.7 A student eligible to appear in the end semester 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.
- 7.8 A student **detained in a semester due to shortage of attendance may be re-admitted when the same semester is offered in the next academic year for fulfillment of academic requirements.** The academic regulations under which student has been readmitted shall be applicable. However, no grade allotments or SGPA/ CGPA calculations will be done for the entire semester in which student has been detained.
- 7.9 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 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 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).
- 8.2 For theory subjects, during a semester, there shall be two mid-term examinations. Each mid-term examination consists of one objective paper, one descriptive paper and one assignment. The objective paper and the descriptive paper shall be for 10 marks each with a total duration of 1 hour 20 minutes (20 minutes for objective and 60 minutes for descriptive paper). The objective paper is set with 20 bits of multiple choice, fill-in the blanks and matching type of questions for a total of 10 marks. The descriptive paper shall contain 4 full questions out of which, the student has to answer 2 questions, each carrying 5 marks. While the first mid-term examination shall be conducted on 50% of the syllabus, the second mid-term examination shall be conducted on the remaining 50% of the syllabus. Five marks are allocated for assignments (as specified by the subject teacher concerned). The first assignment should be submitted before the conduct of the first mid-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 internals/sessionals. 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 question paper pattern are as follows,
- 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.
 - 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.
 - Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.
- 8.3 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.

- 8.4 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.
- 8.5 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 UG mini-project shall be submitted in a report form and presented before the committee in IV year I semester. It shall be evaluated for 100 marks. The committee consists of an external examiner, Head of the Department, supervisor of the UG mini-project and a senior faculty member of the department. There shall be no internal marks for UG mini-project.
- 8.6 There shall be a seminar presentation in IV year I semester. For the seminar, the student shall collect the information on a specialized topic, prepare a technical report, and submit it to the department. It shall be evaluated by the departmental committee consisting of Head of the Department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 100 marks. There shall be no semester end examination for the seminar.
- 8.7 Out of a total of 100 marks for the UG major Project, 25 marks shall be allotted for internal evaluation and 75 marks for the end semester examination (viva voce). The end semester examination of the UG major Project shall be conducted by the same committee as appointed for the UG mini-project. In addition, the UG major Project supervisor shall also be included in the committee. The topics for UG mini project, seminar and UG major Project shall be different from one another. The evaluation of UG major Project shall be made at the end of IV year II semester. The internal evaluation shall be on the basis of two seminars given by each student on the topic of UG major Project.
- 8.8 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.

- 8.9 For mandatory courses Environmental Science, Professional Ethics 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.
- 8.10 For mandatory courses NCC/ NSO and NSS, a 'satisfactory participation certificate' shall be issued to the student from the authorities concerned, only after securing $\geq 65\%$ attendance in such a course.
- 8.11 No marks or letter grade shall be allotted for all mandatory/non-credit courses.
- 9.0 **Grading procedure**
- 9.1 Marks will be awarded to indicate the performance of student in each theory subject, laboratory / practicals, seminar, UG mini project, UG major project. 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 student, a 10-point absolute grading system using the following letter grades (as per UGC/AICTE guidelines) and corresponding percentage of marks shall be followed:

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

- 9.3 A student obtaining '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 A student who has not appeared for examination in any subject, 'Ab' grade will be allocated in that subject, and student shall be considered 'failed'. Student will be required to reappear as a 'supplementary student' in the semester end examination, as and when offered.
- 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 The student passes the subject/ course only when **GP ≥ 5 ('C' grade or above)**
- 9.8 The semester grade point average (SGPA) is calculated by dividing the sum of credit points (ΣCP) secured from all subjects/ courses registered in a semester, by the total number of credits registered during that semester. SGPA is rounded off to **two** decimal places. SGPA is thus computed as

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

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

- 9.9 The cumulative grade point average (CGPA) is a measure of the overall cumulative performance of a student in all semesters considered for registration. The CGPA is the ratio of the total credit points secured by a student in **all** registered courses in **all** semesters, and the total number of credits registered in **all** the semesters. CGPA is rounded off to **two** decimal places. CGPA is thus computed from the 1 year II semester onwards at the end of each semester as per the formula

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

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

where 'M' is the **total** no. of subjects (as specifically required and listed under the course structure of the parent department) the student has 'registered' i.e., from the 1st semester onwards up to and inclusive of the 8th semester, 'j' is the subject indicator index (takes into account all subjects from 1 to 8 semesters), C_j is the no. of credits allotted to the j^{th}

subject, and G_j represents the grade points (GP) corresponding to the letter grade awarded for that j^{th} subject. After registration and completion of I year I semester, the SGPA of that semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

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


$$\text{SGPA} = 152/21 = 7.23$$

Illustration of calculation of CGPA:

Semester	Credits	SGPA	Credits x SGPA
Semester I	24	7	24 x 7 = 168
Semester II	24	6	24 x 6 = 144
Semester III	24	6.5	24 x 6.5 = 156
Semester IV	24	6	24 x 6 = 144
Semester V	24	7.5	24 x 7.5 = 180
Semester VI	24	8	24 x 8 = 192
Semester VII	24	8.5	24 x 8.5 = 204
Semester VIII	24	8	24 x 8 = 192
	192		1380

$$\text{CGPA} = 1380/192 = 7.18$$

- 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 For calculations listed in regulations 9.6 to 9.9, performance in failed subjects/ courses (securing **F** grade) will also be taken into account, and the credits of such subjects/ courses will also be included in the multiplications and summations. After passing the failed subject(s) newly secured letter grades will be taken into account for calculation of SGPA and CGPA. However, mandatory courses will not be taken into consideration.


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10.0 Passing standards

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

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 192 credits (with CGPA \geq 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 the B.Tech. degree in the chosen branch of Engineering as 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 Students with final CGPA (at the end of the under graduate programme) \geq 8.00, and fulfilling the following conditions -
- (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 \geq 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 end semester examinations in any semester due to shortage of attendance or any other reason, shall be placed in '**first class with distinction**'.
- 12.4 Students with final CGPA (at the end of the under graduate programme) \geq 6.50 but $<$ 8.00, shall be placed in '**first class**'.

- 12.5 Students with final CGPA (at the end of the under graduate programme) ≥ 5.50 but < 6.50 , shall be placed in 'second class'.
- 12.6 All other students who qualify for the award of the degree (as per item 12.1), with final CGPA (at the end of the under graduate programme) ≥ 5.00 but < 5.50 , shall be placed in 'pass class'.
- 12.7 A student with final CGPA (at the end of the under graduate programme) < 5.00 will not be eligible for the award of the degree.
- 12.8 Students fulfilling the conditions listed under item 12.3 alone will be eligible for award of 'university rank' and 'gold medal'.

13.0 Withholding of results

- 13.1 If the student has not paid the fees to the university/ college 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 student will not be allowed to go into the next higher semester. The award or issue of the degree may also be withheld in such cases.

14.0 Transitory regulations

A. For students detained due to shortage of attendance:

1. A Student who has been detained in I year of R09/R13/R15 Regulations due to lack of attendance, shall be permitted to join I year I Semester of R16 Regulations and he is required to complete the study of B.Tech./B. Pharmacy programme within the stipulated period of eight academic years from the date of first admission in I Year.
2. A student who has been detained in any semester of II, III and IV years of R09/R13/R15 regulations for want of attendance, shall be permitted to join the corresponding semester of R16 regulations and is required to complete the study of B.Tech./B. Pharmacy within the stipulated period of eight academic years from the date of first admission in I Year. The R16 Academic Regulations under which a student has been readmitted shall be applicable to that student from that semester.

See rule (C) for further Transitory Regulations.

B. For students detained due to shortage of credits:

3. A student of R09/R13/R15 Regulations who has been detained due to lack of credits, shall be promoted to the next semester of R16 Regulations only after acquiring the required credits as per the corresponding regulations of his/her first admission. The student is required to complete the study of B.Tech./B. Pharmacy within the stipulated period of eight academic years from the year of first admission. The R16 Academic Regulations are applicable to a student from the year of readmission onwards.

See rule (C) for further Transitory Regulations.

C. For readmitted students in R16 Regulations:

4. A student who has failed in any subject under any regulation has to pass those subjects in the same regulations.
5. The maximum credits that a student acquires for the award of degree, shall be the sum of the total number of credits secured in all the regulations of his/her study including R16 Regulations. The performance evaluation of the student will be done after the exemption of two subjects if total credits acquired are ≤ 206 , three subjects if total credits acquired are > 206 (see R16 Regulations for exemption details).
6. If a student readmitted to R16 Regulations, has any subject with 80% of syllabus common with his/her previous regulations, that particular subject in R16 Regulations will be substituted by another subject to be suggested by the University.

Note: If a student readmitted to R16 Regulations, has not studied any subjects/topics in his/her earlier regulations of study which is prerequisite for further subjects in R16 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 to be provide one chance to write the CBT (internal marks) in the **failed subjects and/or subjects not studied** 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 **failed subjects and/or subjects not studied**, 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.


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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 2017-18

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 144 credits and secure 144 credits with CGPA ≥ 5 from II year to IV year B.Tech. programme (LES) for the award of B.Tech. degree. **Out of the 144 credits secured, the student can avail exemption up to 6 credits**, that is, one open elective subject and one professional elective subject or two professional elective subjects resulting in 138 credits for B.Tech programme performance evaluation.

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 29 credits out of 48 credits i.e., 60% credits up to second year second semester from all the relevant regular and supplementary examinations, whether the student takes those examinations or not.
3	Third year first semester to third year second semester	Regular course of study of third year first semester.
4	Third year second semester to fourth year first semester	(i) Regular course of study of third year second semester. (ii) Must have secured at least 58 credits out of 96 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 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 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

	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.	and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that 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.	Possess 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.	Student of the colleges 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 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 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 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 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 the college to another college for a specific period of not less than one year.


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
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Academic Regulations of MBA (Regular/Full Time) Programme
Under Choice Based Credit System (CBCS) 2019-20 (R19)

(Effective for the students admitted into 1 year from the Academic Year 2019-20 and onwards)

- 1.0 Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers **Two Years (Four Semesters)** full-time Master of Business Administration (**MBA**) Degree programme, under CBCS at its constituent (non- autonomous) unit and affiliated colleges.
- 2.0 **Eligibility for Admissions**
- 2.1 Admission to the MBA programme shall be made subject to eligibility, qualification prescribed by the University from time to time.
- 2.2 Admission to the MBA programme shall be made on the basis of either the merit rank or Percentile obtained by the qualified student in the relevant qualifying Examination/ the merit rank obtained by the qualified student in an entrance test conducted by Telangana State Government (ICET) for MBA programme / an entrance test conducted by JNTUH/ on the basis of any other exams approved by the University, subject to reservations as laid down by the Govt. from time to time.
- 2.3 The medium of instructions for MBA Programme will be **ENGLISH** only.
- 3.0 **MBA Programme Structure**
- 3.1 The MBA Programme of JNTUH is in Semester pattern, with **Four Semesters** consisting of **Two** academic years, each academic year having **Two Semesters** (First/Odd and Second/Even Semesters). Each Semester shall be of 22 weeks duration (inclusive of Examinations), with a minimum of 90 instructional days per Semester.
- 3.2 The student shall not take more than four academic years to fulfill all the academic requirements for the award of MBA degree from the date of commencement of first year first semester, failing which the student shall forfeit the seat in MBA programme.
- 3.3 **UGC/AICTE** specified definitions/descriptions are adopted appropriately for various terms and abbreviations used in these PG academic regulations, as listed below:
- 3.3.1 **Semester Scheme**
- Each Semester shall have 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) are taken as 'references' for the present set of Regulations. The terms 'SUBJECT' and 'COURSE' imply the same meaning here and refer to 'Theory Subject', or 'Lab Course', or 'Seminar', or 'Internship', or 'Project' as the case may be.
- 3.3.2 **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
 - One credit for two hours/ week/semester for laboratory/ practical (P) courses or tutorials (T)



Other student activities like study tour, guest lecture, conference/workshop participations, technical paper presentations, and identified mandatory courses, if any, will not carry credits.

3.3.3 Subject Course Classification

All subjects/courses offered for the MBA Degree Programme is broadly classified as follows. The University has followed in general the guidelines issued by AICTE/UGC.

S.No.	Broad Course Classification	Course Group/ Category	Course Description
1	Core Courses (CoC)	CC - Core Courses	Includes subjects related to the management
		Project Work	MBA Project or PG Project or Major Project
		Seminar /Pre-Submission Project Seminar / Summer Internship	Seminar based on core contents related to management
2	Elective Courses (E/E)	PE - Professional Electives	Includes elective subjects related to the specialization
		OE - Open Electives	Elective subjects which include inter-disciplinary subjects

4.0 Course Registration

- 4.1 A 'Faculty Advisor or Counselor' shall be assigned to each specialization, who will advise on the MBA, its Course Structure and Curriculum, Choice/Option for Subjects/ Courses, based on his competence, progress, pre-requisites and interest.
- 4.2 The Academic Section of the College invites 'Registration Forms' from students within 15 days from the commencement of class work through 'ON-LINE SUBMISSIONS', ensuring 'DATE and TIME Stamping'. The ON-LINE Registration Requests for any 'CURRENT SEMESTER' shall be completed BEFORE the commencement of SEEs (Semester End Examinations) of the 'PRECEDING SEMESTER'.
- 4.3 A Student can apply for ON-LINE Registration, ONLY AFTER obtaining the 'WRITTEN APPROVAL' from his Faculty Advisor, which should be submitted to the College Academic Section through the Head of Department (a copy of it being retained with Head of Department, Faculty Advisor and the Student).
- 4.4 If the Student submits ambiguous choices or multiple options or erroneous entries during ON-LINE Registration for the Subject(s) / Course(s) under a given/ specified Course Group/ Category as listed in the Course Structure, only the first mentioned Subject/ Course in that Category will be taken into consideration.
- 4.5 Subject/ Course Options exercised through ON-LINE Registration are final and CANNOT be changed, nor can they be inter-changed; further, alternate choices also will not be considered. However, if the Subject/ Course that has already been listed for Registration by the University in a Semester could not be offered due to unforeseen or unexpected reasons, then the Student will be allowed to have alternate choice either for a new Subject, if it is offered, or for another existing Subject (subject to availability of seats). Such alternate arrangements will be made by the Head of Department, with due notification and time-framed schedule, within the FIRST WEEK from the commencement of Class-work for that Semester.

5.0 Attendance Requirements

The programmes are offered on the basis of a unit system with each subject being considered a unit. Attendance is calculated separately for each subject.



- 5.1 Attendance in all classes (Lectures/Laboratories) is compulsory. The minimum required attendance in each theory including the attendance of mid-term examination / Laboratory etc. is 75%. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. A student shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less than 75%.
- 5.2 **Condoning of shortage of attendance** (between 65% and 75%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each subject of a semester shall be granted by the College Academic Committee on genuine reasons.
- 5.3 Shortage of Attendance below 65% in any subject shall in **no case be condoned**.
- 5.4 A Student, whose shortage of attendance is **not condoned** in any subject(s) in any semester, is considered detained in that subject(s) and is not eligible to write Semester End Examination(s) of such subject(s) in that semester, and he has to seek re-registration for those subject(s) in subsequent semesters, and attend the same as and when offered.
- 5.5 A student fulfills the attendance requirement in the present semester, shall not be eligible for readmission into the same class.
- 5.6 A prescribed fee per subject shall be payable for condoning shortage of attendance after getting the approval of College Academic Committee for the same. The College Academic Committee shall maintain relevant documents along with the request from the student.
- 5.7 A Candidate shall acquire minimum required attendance subject-wise in at least THREE theory subjects in each semester for promoting to next Semester.

6.0 Academic Requirements

The following academic requirements have to be satisfied, in addition to the attendance requirements mentioned in item no. 5. The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks per subject / course (theory / laboratory), on the basis of Internal Evaluation and Semester End Examination.

- 6.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/course, if he secures not less than 40% of marks (30 out of 75 marks) in the End Semester Examination, and a minimum of 50% of marks in the sum total of CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of Letter Grades and this implies securing 'B' Grade or above in a subject.
- 6.2 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to a subject/ course, if he secures not less than 50% of the total marks. The student is deemed to have failed, if he does not submit a report on summer internship or does not make a presentation of the same before the evaluation committee as per schedule, in such a case, he has to reappear for the same during the supplementary examinations as and when the notification is issued, subject to item 3.2.
- 6.3 A student shall register for all subjects for total of **102** credits as specified and listed in the course structure for the chosen specialization, put in the required attendance and fulfill the academic requirements for securing **102** credits obtaining a minimum of 'B' Grade or above in each subject, and all **102** credits securing Semester Grade Point Average (**SGPA**) ≥ 6.0 (in each semester) and final Cumulative Grade Point Average (**CGPA**) (i.e., CGPA at the end of MBA Programme) ≥ 6.0 , to complete the MBA Programme successfully.

- Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum B grade in all the subjects.
- (2) CGPA is calculated only when the candidate passes in all the subjects offered in all the semesters



- 6.4 Marks and Letter Grades obtained in all those subjects covering the above specified **102** credits alone shall be considered for the calculation of final CGPA, which will be indicated in the Grade Card /Marks Memo of second year second semester.
- 6.5 If a student registers for extra subject(s) (in the parent specialization or other specializations of Management) other than those listed subjects totaling to **102** credits as specified in the course structure, the performance in extra subject(s) (although evaluated and graded using the same procedure as that of the required **102** credits) will not be considered while calculating the SGPA and CGPA. For such extra subject(s) 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 items 5 and 6.1 - 6.3.
- 6.6 When a student is detained due to shortage of attendance in any subject(s) in any semester, no Grade allotment will be made for such subject(s). However, he is eligible for re-registration of such subject(s) in the subsequent semester(s), as and when next offered, with the academic regulations of the batch into which he is re-registered, by paying the prescribed fees per subject. In all these re-registration cases, the student shall have to secure a fresh set of internal marks and Semester End Examination marks for performance evaluation in such subject(s), and SGPA/CGPA calculations.
- 6.7 A student eligible to appear for the Semester End Examination in any subject, but absent from it or failed (failing to secure 'B' Grade or above), may reappear for that subject at the supplementary examination as and when conducted. In such cases, his Internal Marks assessed earlier for that subject will be carried over, and added to the marks secured in the supplementary examination, for the purpose of evaluating his performance in that subject.
- 6.8 A Student who fails to earn **102** credits as per the specified course structure, and as indicated above, within **four** academic years from the date of commencement of his first year first semester, shall forfeit his seat in MBA programme and his admission **shall stand cancelled**.

7.0 Evaluation - Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated subject- wise (irrespective of credits assigned) for a maximum of 100 marks. The MBA project work (main project viva voce) will also be evaluated for 100 marks.

- 7.1 For the theory subjects 75 marks shall be awarded for the performance in the Semester End Examination and 25 marks shall be awarded for Continuous Internal Evaluation (CIE). The Continuous Internal Evaluation shall be made based on the average of the marks secured in the two Mid-Term Examinations conducted, first Mid-Term examinations in the middle of the Semester and second Mid-Term examinations during the last week of instruction. Each Mid-Term Examination shall be conducted for a total duration of 120 minutes with Part 'A' as compulsory consisting of 5 questions carrying 2 marks each (10 marks), and Part 'B' with 3 questions to be answered out of 5 questions, each question carrying 5 marks (15 marks). The details of the Question Paper pattern for Semester End Examination (Theory) are given below:
- The Semester End Examination will be conducted for 75 marks. It consists of two parts.
i) Part A for 25 marks, ii) Part B for 50 marks.
 - Part A is compulsory and consists of 5 questions, one from each unit and carrying 5 marks each.
 - Part B consists of 5 questions carrying 10 marks each. There will be two questions from each unit and only one should be answered.
- 7.2 For practical subjects, 75 marks shall be awarded for performance in the Semester End Examinations and 25 marks shall be awarded for day-to-day performance as Internal Marks.

For conducting laboratory end examinations, one internal examiner and one external examiner are to be appointed by the Principal of the College and this is to be informed to the Director of Evaluation within two weeks, before commencement of the lab end examinations. The external examiner should



be selected from outside the College concerned but within the cluster. No external examiner should be appointed from any other College in the same cluster/any other cluster which is run by the same Management. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same during the supplementary examinations as and when conducted, subject to item 3.2.

- 7.3 There shall be a summer internship during the summer vacation of I Year II Semester and the evaluation is done in II Year I Semester. Summer internship Report has to be submitted to the department after approval by the concerned supervisor/mentor and the Head of the department. Summer internship Report is evaluated for 100 marks. The report has to be evaluated by the Head, Supervisor/mentor and a senior faculty of the department. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same during the supplementary examinations as and when conducted, subject to item 3.2.
- 7.4 Every candidate shall be required to submit a thesis or dissertation on a topic approved by the Project Review Committee.
- 7.5 A Project Review Committee (PRC) shall be constituted with the Head of the Department as Chairperson, Project Supervisor and one senior faculty member of the Departments offering the MBA programme.
- 7.6 Registration of Project Work: A candidate is permitted to register for the project work at the beginning of II Year II Semester after satisfying the attendance requirement in all the subjects, both theory and laboratories upto II Year I Semester. The duration of the project work is one semester.
- 7.7 After satisfying 7.6, a student, in consultation with his Project Supervisor, has to present the title, objective, and plan of action of his project work to the Project Review Committee (PRC) for approval within two weeks from the commencement of II Year II Semester. The student can initiate the Project work after obtaining the approval of the PRC. The Supervisor and PRC will examine the progress of the Project Work during pre-submission project seminar. For the subject 'pre-submission project seminar', there will be only internal evaluation for 100 marks. Evaluation shall be done by the PRC for 50 marks and the Supervisor shall evaluate the work for another 50 marks. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same during the supplementary examination as and when notification is issued, subject to item 3.2. Pre-submission project seminar has to be conducted along with 1st and 2nd mid-term examinations.
- 7.8 If a candidate wishes to change his supervisor or topic of the project, he can do so with the approval of the PRC. However, the PRC shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of project proposal. If yes, his date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.
- 7.9 A candidate is permitted to submit project thesis with the approval of PRC not earlier than 16 weeks from the date of commencement of fourth semester. For the approval of PRC the candidate shall submit the draft copy of thesis to the Head of the Department and make an oral presentation before the PRC during the Pre-submission project seminar at 2nd mid-term examinations.
- 7.10 After approval from the PRC, a soft copy of the thesis should be submitted for ANTI-PLAGIARISM check and the plagiarism report should be submitted to the University and be included in the final thesis. The Thesis will be accepted for submission, if the similarity index is less than 30%. If the similarity index has more than the required percentage, the student is advised to modify accordingly and re-submit the soft copy of the thesis after one month. The maximum number of re-submissions of thesis after plagiarism check is limited to TWO. The candidate has to register for the Project work and work for one semester. After three attempts, the admission is liable to be cancelled. The college authorities are advised to make plagiarism check of every soft copy of theses before submissions.
- 7.11 Three copies of the Project Thesis certified by the supervisor shall be submitted to the College/School/Institute.
- 7.12 The thesis shall be adjudicated by an external examiner selected by the University. For this, the



Principal of the College/School/Institute shall submit a panel of **three** examiners from among the list of experts in the relevant specialization as submitted by the supervisor concerned and Head of the Department.

- 7.13 If the report of the external examiner is unsatisfactory, the candidate shall revise and resubmit the Thesis. If the report of the examiner is unsatisfactory again, the thesis shall be summarily rejected. Subsequent actions for such dissertations may be considered, only on the specific recommendations of the external examiner and /or Project Review Committee. No further correspondence in this matter will be entertained, if there is no specific recommendation for resubmission.
- 7.14 If the report of the external examiner is satisfactory, the Head of the Department shall coordinate and make arrangements for the conduct of Main Project Viva - Voce examination. The Main Project Viva-Voce examination will be evaluated for 100 marks. The Main Project Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the external examiner who adjudicated the Thesis. The candidate has to secure a minimum of 50% of marks in Main Project Viva-Voce examination. *For Main Project Viva – Voce examination one external examiner shall be allotted for a group of 20 students. The Main Project Viva-Voce examination shall be conducted within one week after completion of the fourth semester end examinations.*
- 7.15 If he fails to fulfill the requirements as specified in 7.14, he will reappear for the Main Project Viva-Voce examination only after three months. In the reappeared examination also, if he fails to fulfill the requirements, he will not be eligible for the award of the degree, unless he is asked to revise and resubmit his project work by the board within a specified time period (within **four** years from the date of commencement of his first year first semester).
- 7.16 The Main Project Viva-Voce External examination marks must be submitted to the University on the day of the examination.

8.0 Re-Admission/Re-Registration

8.1 Re-Admission for Discontinued Student

A student, who has discontinued the MBA degree programme due to any reason whatsoever, may be considered for 'readmission' into the same degree programme (with the same specialization) with the academic regulations of the batch into which he gets readmitted, with prior permission from the authorities concerned, subject to item 6.6.

- 8.2 If a student is detained in a subject (s) due to shortage of attendance in any semester, he may be permitted to **re-register** for the same subject(s) in the same category (core or elective group) or equivalent subject, if the same subject is not available, as suggested by the Board of Studies of that department, as and when offered in the subsequent semester(s), with the academic regulations of the batch into which he seeks re-registration, with prior permission from the authorities concerned, subject to item 3.2.
- 8.3 A candidate shall be given one chance to re-register and attend the classes for a maximum of two subjects, if the internal marks secured by a candidate are less than 50% and failed in those subjects but fulfilled the attendance requirement. A candidate must re-register for failed subjects within four weeks of commencement of the class work and secure the required minimum attendance. In the event of the student taking this chance, his Continuous Internal Evaluation (internal) marks and Semester End Examination marks obtained in the previous attempt stand cancelled.

9.0 Examinations and Assessment - The Grading System

- 9.1 Grades will be awarded to indicate the performance of each student in each Theory Subject, or Lab/Practicals, or Seminar, or Project, etc., based on the % of marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together) as specified in Item 7 above, and a corresponding Letter Grade shall be given.
- 9.2 As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades (UGC Guidelines) and corresponding percentage of marks shall be followed:



% of Marks Secured in a subject/Course (Class Intervals)	Letter Grade (UGC Guidelines)	Grade Points
90% and above ($\geq 90\%$, $\leq 100\%$)	O (Outstanding)	10
Below 90% but not less than 80% ($\geq 80\%$, $< 90\%$)	A* (Excellent)	9
Below 80% but not less than 70% ($\geq 70\%$, $< 80\%$)	A (Very Good)	8
Below 70% but not less than 60% ($\geq 60\%$, $< 70\%$)	B* (Good)	7
Below 60% but not less than 50% ($\geq 50\%$, $< 60\%$)	B (above Average)	6
Below 50% ($< 50\%$)	F (FAIL)	0
Absent	Ab	0

- 9.3 A student obtaining F Grade in any Subject is deemed to have 'failed' and is required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted. In such cases, his Internal Marks (CIE Marks) in those subjects will remain as obtained earlier.
- 9.4 If a student has not appeared for the examinations, 'Ab' Grade will be allocated to him for any subject and shall be considered 'failed' and will be required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted.
- 9.5 A Letter Grade does not imply any specific marks percentage; it is only the range of percentage of marks.
- 9.6 In general, a student shall not be permitted to repeat any Subject/ Course (s) only for the sake of 'Grade Improvement' or 'SGPA/ CGPA Improvement'.
- 9.7 A student earns Grade Point (GP) in each Subject/ Course, on the basis of the Letter Grade obtained by him 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


- 9.8 The student passes the Subject/ Course only when he gets $GP \geq 6$ (B Grade or above).
- 9.9 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points ($\sum CP$) 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

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

where 'i' is the Subject indicator index (taking into account all Subjects in a Semester), 'N' is the no. of Subjects 'REGISTERED' for the Semester (as specifically required and listed under the Course Structure of the parent Department), C_i is the no. of Credits allotted to the i^{th} Subject, and G_i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that i^{th} Subject.

- 9.10 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all Semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in ALL registered Courses in ALL Semesters, and the Total Number of Credits registered in ALL the Semesters. CGPA is rounded off to TWO Decimal Places. CGPA is thus computed from the I Year Second Semester onwards, at the end of each Semester, as per the formula

$$CGPA = \left\{ \sum_{i=1}^M C_i G_i \right\} / \left\{ \sum_{i=1}^M C_i \right\} \dots \text{for all S Semesters registered (ie., upto and inclusive of S Semesters, } S \geq 2),$$


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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' for from the 1st Semester onwards upto and inclusive of the Semester S (obviously $M > N$), 'j' is the Subject indicator index (taking into account all Subjects from 1 to S 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 however, the SGPA of that Semester itself may be taken as the CGPA, as there are no cumulative effects.

Illustration of calculation of SGPA

Course/Subject	Credits	Letter Grade	Grade points	Credit Points
Course 1	4	A	8	$4 \times 8 = 32$
Course 2	4	O	10	$4 \times 10 = 40$
Course 3	4	B	6	$4 \times 6 = 24$
Course 4	3	B	6	$3 \times 6 = 18$
Course 5	3	A+	9	$3 \times 9 = 27$
Course 6	3	B	6	$3 \times 6 = 18$
	21			159

$$\text{SGPA} = 159/21 = 7.57$$

Illustration of calculation of CGPA

Semester	Credits	SGPA	Credits * SGPA
Semester I	24	7	$24 \times 7 = 168$
Semester II	24	6	$24 \times 6 = 144$
Semester III	24	6.5	$24 \times 6.5 = 156$
Semester IV	24	6	$24 \times 6 = 144$
	96		612

$$\text{CGPA} = 612/96 = 6.37$$

10.0 Award of Degree and Class

- 10.1 If a student who registers for all the specified Subjects/ Courses as listed in the Course Structure, satisfies all the Course Requirements, and passes the examinations prescribed in the entire MBA Programme, and secures the required number of 102 Credits (with CGPA ≥ 6.0), shall be declared to have 'QUALIFIED' for the award of the MBA Degree that he was admitted into.

10.2 Award of Class

After a student has earned the requirements prescribed for the completion of the programme and is eligible for the award of MBA Degree, he shall be placed in one of the following three classes based on the CGPA:

Class Awarded	CGPA
First Class with Distinction	≥ 7.75
First Class	$6.75 \leq \text{CGPA} < 7.75$
Second Class	$6.00 \leq \text{CGPA} < 6.75$

A student with final CGPA (at the end of the MBA Programme) < 6.00 shall not be eligible for the Award of Degree.

11.0 Withholding of Results

If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result and degree of the student will be withheld and he will not be allowed into the next semester.



12.0 General

- 12.1 Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- 12.2 Credit Point:** It is the product of grade point and number of credits for a course.
- 12.3** Wherever the words "he", "him", "his", occur in the regulations, they shall include "she", "her".
- 12.4** The academic regulation should be read as a whole for the purpose of any interpretation.
- 12.5** In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the University is final.
- 12.6** The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.


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**MALPRACTICES RULES
DISCIPLINARY ACTION FOR IMPROPER CONDUCT IN EXAMINATIONS**

S.No	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	
1.(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject to the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the 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 candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case 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 to the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate, who has been impersonated, shall be cancelled in all the 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 candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case 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	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the



	after the examination.	remaining examinations of the subjects of that semester/year. The candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent/ any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in- charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any 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.	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 candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate 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 candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or	Student of the colleges expulsion from the examination hall and cancellation of the



	any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	performance in that subject and all other subjects the candidate 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 candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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.
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 candidate has appeared including practical examinations and project work of that semester/ year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action to award suitable punishment.	

Malpractices identified by squad or special invigilators

1. Punishments to the candidates as per the above guidelines.
2. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
 - (i) A show cause notice shall be issued to the college.
 - (ii) Impose a suitable fine on the college.
 - (iii) Shifting the examination centre from the 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 Act No.30 of 2008)
Kukatpally, Hyderabad-500085, Telangana State (India)

**Academic Regulations of MBA (Regular/Full Time) Programme
Under Choice Based Credit System (CBCS) 2017-18 (R17)**

(Effective for the students admitted into I year from the Academic Year 2017-18 and onwards)

- 1.0 **Post-Graduate Degree Programme in Management (PGP in Management)** Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers **Two Years (Four Semesters)** full-time Master of Business Administration (MBA) Degree programme, under CBCS at its constituent (non- autonomous) and affiliated colleges.
- 2.0 **Eligibility for Admissions**
 - 2.1 Admission to the MBA programme shall be made subject to eligibility, qualification prescribed by the University from time to time.
 - 2.2 Admission to the post graduate degree programme shall be made on the basis of either the merit rank or Percentile obtained by the qualified student in the relevant qualifying Examination/ the merit rank obtained by the qualified student in an entrance test conducted by Telangana State Government (ICET) for MBA programme / an entrance test conducted by JNTUH/ on the basis of any other exams approved by the University, subject to reservations as laid down by the Govt. from time to time.
 - 2.3 The medium of instructions for MBA Programme will be **ENGLISH** only.
- 3.0 **MBA Programme (PGP in Management) Structure**
 - 3.1 The MBA Programme of JNTUH is in Semester pattern, with **Four Semesters** consisting of **Two** academic years, each academic year having **Two Semesters** (First/Odd and Second/Even Semesters). Each Semester shall be of 22 weeks duration (inclusive of Examinations), with a minimum of 90 instructional days per Semester.
 - 3.2 The student shall not take more than four academic years to fulfill all the academic requirements for the award of MBA degree from the date of commencement of first year first semester, failing which the student shall forfeit the seat in MBA programme.
 - 3.3 **UGC/AICTE** specified definitions/descriptions are adopted appropriately for various terms and abbreviations used in these PG academic regulations, as listed below:
 - 3.3.1 **Semester Scheme**

Each Semester shall have 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'. Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) are taken as 'references' for the present set of Regulations. The terms 'SUBJECT' and 'COURSE' imply the same meaning here and refer to 'Theory Subject', or 'Lab Course', or 'Seminar', or 'Comprehensive Viva', or 'Project' as the case may be.


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3.3.2 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
- One credit for two hours/ week/semester for laboratory/ practical (P) courses or tutorials (T)

Other student activities like study tour, guest lecture, conference/workshop participations, technical paper presentations, and identified mandatory courses, if any, will not carry credits.

3.3.3 Subject Course Classification

All subjects/courses offered for the MBA Degree Programme is broadly classified as follows. The University has followed in general the guidelines issued by AICTE/UGC.

S.No.	Broad Course Classification	Course Group/ Category	Course Description
1	Core Courses (CoC)	CC- Core Courses	Includes subjects related to the parent discipline / department
		Project Work	MBA Project or PG Project or Major Project
		Seminar / Pre Submission of Project Work /Summer Internship	Seminar/Colloquium based on core contents related to parent discipline/department
		Comprehensive Viva-Voce	Viva-voce covering all the PG subjects studied during the course work and related aspects
2	Elective Courses (EIE)	PE - Professional Electives	Includes elective subjects related to the parent discipline/department
		OE - Open Electives	Elective subjects which include inter-disciplinary subjects or subjects in an area outside the parent discipline/department
Total number of Credits			

4.0 Course Registration

- 4.1 A 'Faculty Advisor or Counselor' shall be assigned to each specialization, who will advise on the MBA, its Course Structure and Curriculum, Choice/Option for Subjects/ Courses, based on his competence, progress, pre-requisites and interest.
- 4.2 The Academic Section of the College invites 'Registration Forms' from students within 15 days from the commencement of class work through 'ON-LINE SUBMISSIONS', 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'.


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- 4.3 A Student can apply for ON-LINE Registration, ONLY AFTER obtaining the 'WRITTEN APPROVAL' from his Faculty Advisor, which should be submitted to the College Academic Section through the Head of Department (a copy of it being retained with Head of Department, Faculty Advisor and the Student).
- 4.4 If the Student submits ambiguous choices or multiple options or erroneous entries during ON-LINE Registration for the Subject(s) / Course(s) under a given/ specified Course Group/ Category as listed in the Course Structure, only the first mentioned Subject/ Course in that Category will be taken into consideration.
- 4.5 Subject/ Course Options exercised through ON-LINE Registration are final and CANNOT be changed, nor can they be inter-changed; further, alternate choices also will not be considered. However, if the Subject/ Course that has already been listed for Registration by the University in a Semester could not be offered due to unforeseen or unexpected reasons, then the Student will be allowed to have alternate choice either for a new Subject, if it is offered, or for another existing Subject (subject to availability of seats). Such alternate arrangements will be made by the Head of Department, with due notification and time-framed schedule, within the FIRST WEEK from the commencement of Class-work for that Semester.

5.0 Attendance Requirements

The programmes are offered on the basis of a unit system with each subject being considered a unit.

- 5.1 Attendance in all classes (Lectures/Laboratories) is compulsory. The minimum required attendance in each theory including the attendance of mid-term examination / Laboratory etc. is 75%. Two periods of attendance for each theory subject shall be considered, if the student appears for the mid-term examination of that subject. A student shall not be permitted to appear for the Semester End Examinations (SEE), if his attendance is less than 75%.
- 5.2 **Condoning of shortage of attendance** (between 65% and 75%) up to a maximum of 10% (considering the days of attendance in sports, games, NCC, NSS activities and Medical grounds) in each subject of a semester shall be granted by the College Academic Committee.
- 5.3 Shortage of Attendance below 65% in any subject shall in **no case be condoned**.
- 5.4 A Student, whose shortage of attendance is **not condoned** in any subject(s) in any semester, is considered detained in that subject(s) and is not eligible to write Semester End Examination(s) of such subject(s) in that semester, and he has to seek re-registration for those subject(s) in subsequent semesters, and attend the same as and when offered.
- 5.5 A student fulfills the attendance requirement in the present semester, shall not be eligible for readmission into the same class.
- 5.6 A prescribed fee per subject shall be payable for condoning shortage of attendance.
- 5.7 A Candidate shall put in a minimum required attendance at least THREE theory subjects in each semester for promoting to next Semester.


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6.0 Academic Requirements


The following academic requirements have to be satisfied, in addition to the attendance requirements mentioned in item no. 5. The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks per subject / course (theory / laboratory), on the basis of Internal Evaluation and Semester End Examination.

- 6.1 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to each subject/course, if he secures not less than 40% of marks (30 out of 75 marks) in the End Semester Examination, and a minimum of 50% of marks in the sum total of CIE (Continuous Internal Evaluation) and SEE (Semester End Examination) taken together; in terms of Letter Grades and this implies securing 'B' Grade or above in a subject.
- 6.2 A student shall be deemed to have satisfied the academic requirements and earned the credits allotted to a subject/ course, if he secures not less than 50% of the total marks. The student is deemed to have failed, if he (i) does not attend the comprehensive viva-voce as per the schedule given or (ii) does not submit a report on summer internship, or does not make a presentation of the same before the evaluation committee as per schedule, in such a case, he has to reappear for the same during the supplementary examinations as and when conducted, subject to item 3.2.
- 6.3 A student shall register for all subjects for total of 88 credits as specified and listed in the course structure for the chosen specialization, put in the required attendance and fulfill the academic requirements for securing 88 credits obtaining a minimum of 'B' Grade or above in each subject, and all 88 credits securing Semester Grade Point Average (SGPA) ≥ 6.0 (in each semester) and final Cumulative Grade Point Average (CGPA) (i.e., CGPA at the end of PGP) ≥ 6.0 , to complete the PGP successfully.

Note: (1) The SGPA will be computed and printed on the marks memo only if the candidate passes in all the subjects offered and gets minimum B grade in all the subjects.

(2) CGPA is calculated only when the candidate passes in all the subjects offered in all the semesters

- 6.4 Marks and Letter Grades obtained in all those subjects covering the above specified 88 credits alone shall be considered for the calculation of final CGPA, which will be indicated in the Grade Card /Marks Memo of second year second semester.
- 6.5 If a student registers for extra subject(s) (in the parent department or other departments/ branches of Engineering) other than those listed subjects totaling to 88 credits as specified in the course structure, the performance in extra subject(s) (although evaluated and graded using the same procedure as that of the required 88 credits) will not be taken into account while calculating the SGPA and CGPA. For such extra subject(s) 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 items 5 and 6.1 - 6.3.
- 6.6 When a student is detained due to shortage of attendance in any subject(s) in any semester,


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no Grade allotment will be made for such subject(s). However, he is eligible for re-registration of such subject(s) in the subsequent semester(s), as and when next offered, with the academic regulations of the batch into which he is re-registered, by paying the prescribed fees per subject. In all these re-registration cases, the student shall have to secure a fresh set of internal marks and Semester End Examination marks for performance evaluation in such subject(s), and SGPA/CGPA calculations.

- 6.7 A student eligible to appear for the Semester End Examination in any subject, but absent from it or failed (failing to secure 'B' Grade or above), may reappear for that subject at the supplementary examination as and when conducted. In such cases, his Internal Marks assessed earlier for that subject will be carried over, and added to the marks secured in the supplementary examination, for the purpose of evaluating his performance in that subject.
- 6.8 A Student who fails to earn 88 credits as per the specified course structure, and as indicated above, within **four** academic years from the date of commencement of his first year first semester, shall forfeit his seat in MBA programme and his admission **shall stand cancelled**.

7.0 Evaluation - Distribution and Weightage of Marks

The performance of a student in each semester shall be evaluated subject- wise (irrespective of credits assigned) for a maximum of 100 marks. The MBA project work (main project viva voce) will also be evaluated for 100 marks.

- 7.1 For the theory subjects 75 marks shall be awarded for the performance in the Semester End Examination and 25 marks shall be awarded for Continuous Internal Evaluation (CIE). The Continuous Internal Evaluation shall be made based on the average of the marks secured in the two Mid-Term Examinations conducted, first Mid-Term examinations in the middle of the Semester and second Mid-Term examinations during the last week of instruction. Each Mid-Term Examination shall be conducted for a total duration of 120 minutes with Part 'A' as compulsory consisting of 5 questions carrying 2 marks each (10 marks), and Part 'B' with 3 questions to be answered out of 5 questions, each question carrying 5 marks (15 marks). The details of the Question Paper pattern for Semester End Examination (Theory) are given below:
- The Semester End Examination will be conducted for 75 marks. It consists of two parts. i).Part A for 25 marks, ii). Part B for 50 marks.
 - Part A is compulsory and consists of 5 questions, one from each unit and carrying 5 marks each.
 - Part B consists of 5 questions carrying 10 marks each. There will be two questions from each unit and only one should be answered.
- 7.2 *For practical subjects, 100 marks shall be awarded for candidate's performance in the semester end examination as internal Marks. The semester end examination is conducted by the MBA Department itself. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same during the supplementary examinations as and when conducted, subject to item 3.2.*
- 7.3 There shall be a summer internship in I Year II Semester. Summer internship Report has to


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be submitted to the department after approval by the concerned supervisor/mentor and the Head of the department. Summer internship Report is evaluated for 100 marks. The report has to be evaluated by the Head, Supervisor/mentor and a senior faculty of the department. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same during the supplementary examinations as and when conducted, subject to item 3.2.


- 7.4 There shall be a Comprehensive Viva-Voce after completion of II Mid-term examinations of II year II Semester. The Comprehensive Viva-Voce is intended to assess the student's understanding of various subjects he has studied during the MBA course of study. The Head of the Department shall be associated with the conduct of the Comprehensive Viva-Voce through a Committee. The Committee shall consist of Head of the Department, one senior faculty member and an external examiner. The external examiner shall be appointed by the Principal of the college concerned and this is to be informed to the Director of Evaluation within two weeks. The external examiner should be selected from outside the College concerned but within the cluster. No external examiner should be appointed from any other College in the same cluster/any other cluster which is run by the same Management. There are no internal marks for the Comprehensive Viva-Voce and it is evaluated for a maximum of 100 marks. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the viva-voce during the supplementary examinations.
- 7.5 Every candidate shall be required to submit a thesis or dissertation on a topic approved by the Project Review Committee.
- 7.6 A Project Review Committee (PRC) shall be constituted with the Head of the Department as Chairperson, Project Supervisor and one senior faculty member of the Departments offering the MBA programme.
- 7.7 Registration of Project Work: A candidate is permitted to register for the project work after satisfying the attendance requirement in all the subjects, both theory and practicals upto II Year I Semester.
- 7.8 After satisfying 7.7, a candidate has to present pre submission of project work during II year II semester. For pre submission of project work, a student, in consultation with his Project Supervisor, has to present the title, objective, and plan of action of his project work to the Project Work Review Committee (PRC) for approval within two weeks from the commencement of Second year Second Semester. Only after obtaining the approval of the PRC can the student initiate the Project work. For pre submission of project work there will be only internal evaluation for 100 marks. Evaluation should be done by the PRC for 50 marks and the Supervisor will evaluate the work for the other 50 marks. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to obtain the minimum marks, he has to reappear for the same during the supplementary examinations as and when conducted, subject to item 3.2.
- 7.9 If a candidate wishes to change his supervisor or topic of the project, he can do so with the approval of the PRC. However, the PRC shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of project proposal. If yes, his date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.
- 7.10 The work on the project shall be initiated at the beginning of the II year II Semester and the


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duration of the project is one semester. A candidate is permitted to submit Project Thesis only after successful completion of all theory and practical courses with the approval of PRC not earlier than 20 weeks from the date of approval of the project work. For the approval of PRC the candidate shall submit the draft copy of thesis to the Head of the Department and make an oral presentation before the PRC.

- 7.11 After approval from the PRC, a soft copy of the thesis should be submitted for ANTI-PLAGIARISM check and the plagiarism report should be submitted to the University and be included in the final thesis. The Thesis will be accepted for submission, if the similarity index is less than **30%**. If the similarity index has more than the required percentage, the student is advised to modify accordingly and re-submit the soft copy of the thesis after one month. The maximum number of re-submissions of thesis after plagiarism check is limited to **TWO**. The candidate has to register for the Project work and work for **one semester**. After three attempts, the admission is liable to be cancelled. The college authorities are advised to make plagiarism check of every soft copy of theses before submissions.
- 7.12 Three copies of the Project Thesis certified by the supervisor shall be submitted to the College/School/Institute, after submission of a research paper related to the project work in a UGC approved journal. A copy of the submitted research paper shall be attached to thesis.
- 7.13 The thesis shall be adjudicated by an external examiner selected by the University. For this, the Principal of the College/School/Institute shall submit a panel of **three** examiners from among the list of experts in the relevant specialization as submitted by the supervisor concerned and Head of the Department.
- 7.14 If the report of the external examiner is unsatisfactory, the candidate shall revise and resubmit the Thesis. If the report of the examiner is unsatisfactory again, the thesis shall be summarily rejected. Subsequent actions for such dissertations may be considered, only on the specific recommendations of the external examiner and /or Project work Review Committee. No further correspondence in this matter will be entertained, if there is no specific recommendation for resubmission.
- 7.15 If the report of the external examiner is satisfactory, the Head of the Department shall coordinate and make arrangements for the conduct of Main Project Viva - Voce examination. The Main Project Viva-Voce examination will be evaluated for 100 marks. The Main Project Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the external examiner who adjudicated the Thesis. The candidate has to secure a minimum of 50% of marks in Main Project Viva-Voce examination.
- 7.16 If he fails to fulfill the requirements as specified in 7.15, he will reappear for the Main Project Viva-Voce examination only after three months. In the reappeared examination also, if he fails to fulfill the requirements, he will not be eligible for the award of the degree, unless he is asked to revise and resubmit his project work by the board within a specified time period (within **four** years from the date of commencement of his first year first semester).
- 7.17 The Main Project Viva-Voce External examination marks must be submitted to the University on the day of the examination.


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8.0 Re-Admission/Re-Registration

8.1 Re-Admission for Discontinued Student

A student, who has discontinued the MBA degree programme due to any reason whatsoever, may be considered for '**readmission**' into the same degree programme (with the same specialization) with the academic regulations of the batch into which he gets readmitted, with prior permission from the authorities concerned, subject to item 6.6.

8.2 If a student is detained in a subject (s) due to shortage of attendance in any semester, he may be permitted to **re-register** for the same subject(s) in the same category (core or elective group) or equivalent subject, if the same subject is not available, as suggested by the Board of Studies of that department, as and when offered in the subsequent semester(s), with the academic regulations of the batch into which he seeks re-registration, with prior permission from the authorities concerned, subject to item 3.2.

8.3 A candidate shall be given one chance to re-register for a maximum of two subjects, if the internal marks secured by a candidate are less than 50% and failed in those subjects. A candidate must re-register for failed subjects within four weeks of commencement of the class work and secure the required minimum attendance. In the event of the student taking this chance, his Continuous Internal Evaluation (internal) marks and Semester End Examination marks obtained in the previous attempt stand cancelled.

9.0 Examinations and Assessment - The Grading System

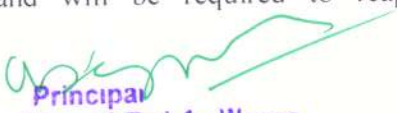
9.1 Grades will be awarded to indicate the performance of each student in each Theory Subject, or Lab/Practicals, or Seminar, or Project, etc., based on the % of marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together) as specified in Item 7 above, and a corresponding Letter Grade shall be given.

9.2 As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades (UGC Guidelines) and corresponding percentage of marks shall be followed:

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

9.3 A student obtaining F Grade in any Subject is deemed to have 'failed' and is required to reappear as 'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted. In such cases, his Internal Marks (CIE Marks) in those subjects will remain as obtained earlier.

9.4 If a student has not appeared for the examinations, 'Ab' Grade will be allocated to him for any subject and shall be considered 'failed' and will be required to reappear as


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'Supplementary Candidate' for the Semester End Examination (SEE), as and when conducted.

- 9.5 A Letter Grade does not imply any specific marks percentage; it is only the range of percentage of marks.
- 9.6 In general, a student shall not be permitted to repeat any Subject/ Course (s) only for the sake of 'Grade Improvement' or 'SGPA/ CGPA Improvement'.
- 9.7 A student earns Grade Point (GP) in each Subject/ Course, on the basis of the Letter Grade obtained by him 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

- 9.8 The student passes the Subject/ Course only when he gets GP ≥ 6 (B Grade or above).
- 9.9 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points (ΣCP) secured from ALL Subjects/ Courses registered in a Semester, by the Total Number of Credits registered during that Semester. SGPA is rounded off to TWO Decimal Places. SGPA is thus computed as

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

where 'i' is the Subject indicator index (taking into account all Subjects in a Semester), 'N' is the no. of Subjects 'REGISTERED' for the Semester (as specifically required and listed under the Course Structure of the parent Department), C_i is the no. of Credits allotted to the i^{th} Subject, and G_i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that i^{th} Subject.


- 9.10 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all Semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in ALL registered Courses in ALL Semesters, and the Total Number of Credits registered in ALL the Semesters. CGPA is rounded off to TWO Decimal Places. CGPA is thus computed from the I Year Second Semester onwards, at the end of each Semester, as per the formula

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

(ie., upto and inclusive of S Semesters, $S \geq 2$),

where 'M' is the TOTAL no. of Subjects (as specifically required and listed under the Course Structure of the parent Department) the Student has 'REGISTERED' for from the 1st Semester onwards upto and inclusive of the Semester S (obviously $M > N$), 'j' is the Subject indicator index (taking into account all Subjects from 1 to S Semesters), C_j is the no. of Credits allotted to the j^{th} Subject, and G_j represents the Grade Points (GP) corresponding to the Letter Grade awarded for that j^{th} Subject. After registration and completion of I Year I Semester however, the SGPA of that Semester itself may be taken as the CGPA. as there are no cumulative effects.

Illustration of calculation of SGPA


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Course/Subject	Credits	Letter Grade	Grade points	Credit Points
Course 1	4	A	8	4*8 = 32
Course 2	4	O	10	4*10 = 40
Course 3	4	B	6	4*6 = 24
Course 4	3	B	6	3*6 = 18
Course 5	3	A+	9	3*9 = 27
Course 6	3	B	6	3*6 = 18
	21			159

$$SGPA = 159/21 = 7.57$$

Illustration of calculation of CGPA

Semester	Credits	SGPA	Credits * SGPA
Semester I	24	7	24*7 = 168
Semester II	24	6	24*6 = 144
Semester III	24	6.5	24*6.5 = 156
Semester IV	24	6	24*6 = 144
	96		612

$$CGPA = 612/96 = 6.37$$

10.0 Award of Degree and Class

10.1 If a student who registers for all the specified Subjects/ Courses as listed in the Course Structure, satisfies all the Course Requirements, and passes the examinations prescribed in the entire PG Programme (PGP), and secures the required number of **88** Credits (with CGPA ≥ 6.0), shall be declared to have 'QUALIFIED' for the award of the MBA Degree that he was admitted into.

10.2 Award of Class

After a student has earned the requirements prescribed for the completion of the programme and is eligible for the award of MBA Degree, he shall be placed in one of the following three classes based on the CGPA:

Class Awarded	CGPA
First Class with Distinction	≥ 7.75
First Class	$6.75 \leq CGPA < 7.75$
Second Class	$6.00 \leq CGPA < 6.75$

A student with final CGPA (at the end of the PGP) < 6.00 shall not be eligible for the Award of Degree.

11.0 Withholding of Results


If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result and degree of the student will be withheld and he will not be allowed into the next semester.

12.0. Transitory Regulations


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- 12.1 A student who has been detained in any semester of I Year of R13/R15 Regulations due to lack of attendance, shall be permitted to join the same semester of I Year of R17 Regulations and he is required to complete the study of MBA programme within the stipulated period of four academic years from the date of first admission in I Year I semester. The R17 Academic Regulations under which a student has been readmitted shall be applicable to that student from that semester.
- 12.2 Candidate detained due to shortage of attendance in one or more subjects is eligible for re-registration of maximum of two earlier or equivalent subjects at a time as and when offered.
- 12.3 The candidate who fails in any subject under R13/R15 regulations will be given two chances to pass the same subject in the same regulations; otherwise, he has to identify an equivalent subject and fulfill the academic requirements of that subject as per R17 Academic Regulations.
- 12.4 For student readmitted to R17 Regulations, the maximum credits that a student acquires for the award of the degree, shall be the sum of the total number of credits secured in R13/R15 regulations of his/her study including R17 Regulations.
- 12.5 If a student readmitted to R17 Regulations, has any subject with 80% of syllabus common with his/her previous regulations, that particular subject in R17 regulations will be substituted by another subject to be suggested by the university.
- 13.0 **General**
- 13.1 **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- 13.2 **Credit Point:** It is the product of grade point and number of credits for a course.
- 13.3 Wherever the words "he", "him", "his", occur in the regulations, they shall include "she", "her".
- 13.4 The academic regulation should be read as a whole for the purpose of any interpretation.
- 13.5 In case of any doubt or ambiguity in the interpretation of the above rules, the decision of the University is final.
- 13.6 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.


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MALPRACTICES RULES
DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

S.No	Nature of Malpractices/Improper conduct	Punishment
	If the candidate:	
1.(a)	Possesses or keeps accessible in examination hall, any paper, note book, programmable calculators, Cell phones, pager, palm computers or any other form of material concerned with or related to the subject to the examination (theory or practical) in which he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the 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 candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case 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 to the examination (theory or practical) in which the candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate, who has been impersonated, shall be cancelled in all the 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 candidate is also


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		debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case 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 candidate 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 candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that 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	Incase 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 candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.


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	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.	
7.	Leaves the exam hall taking away answer script or intentionally tears of the script or any part thereof inside or outside the examination hall.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the candidate 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 candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the	Expulsion from the examination hall and

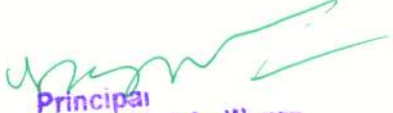

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	examination hall.	cancellation of the performance in that subject and all other subjects the candidate has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year.
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 candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses it shall be reported to the University for further action to award suitable punishment.	

Malpractices identified by squad or special invigilators

1. Punishments to the candidates as per the above guidelines.
2. Punishment for institutions: (if the squad reports that the college is also involved in encouraging malpractices)
 - (i) A show cause notice shall be issued to the college.
 - (ii) Impose a suitable fine on the college.
 - (iii) Shifting the examination centre from the 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 an Act No.30 of 2008 of A.P. State Legislature)

Kukatpally, Hyderabad – 500 085, Andhra Pradesh (India)

R 15 - ACADEMIC REGULATIONS (CBCS) FOR MBA (REGULAR) DEGREE PROGRAMME

Applicable for the students of Master of Business Administration (MBA) (Regular) programme from the Academic Year **2015-16** and onwards

The MBA Degree of Jawaharlal Nehru Technological University Hyderabad shall be conferred on candidates who are admitted to the programme and who fulfill all the requirements for the award of the Degree.

1 ELIGIBILITY FOR ADMISSIONS

Admission to the above programme shall be made subject to eligibility and qualification as prescribed by the University from time to time.

Admissions shall be made on the basis of merit/rank obtained by the candidate qualified at ICET or Entrance Test conducted by the University or on the basis of any other order of merit as approved by the University, subject to reservations as laid down by the Govt. from time to time.

2 AWARD OF MBA DEGREE

2.1 A student shall be declared eligible for the award of the MBA Degree, if he pursues a course of study in not less than two and not more than four academic years. However, he is permitted to write the examinations for two more years after four academic years of course work, failing which he shall forfeit his seat in MBA programme.

2.2 The student shall register for all 88 credits and secure all the 88 credits.


2.3 The minimum instruction days in each semester are 90.

3 COURSE REGISTRATION

3.1 A 'Faculty Advisor or Counselor' shall be assigned to each student, who will advise him on the Post Graduate Programme (PGP), its Course Structure and Curriculum, Choice/Option for Subjects/ Courses, based on his competence, progress, pre-requisites and interest.

3.2 Academic Section of the College invites 'Registration Forms' from students with in 15 days from the commencement of classwork through 'ON-LINE SUBMISSIONS', 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'.

3.3 A Student can apply for ON-LINE Registration, ONLY AFTER obtaining the 'WRITTEN APPROVAL' from his Faculty Advisor, which should be submitted to the College Academic Section through the Head of Department (a copy of it being retained with Head of Department, Faculty Advisor and the Student).


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- 3.4 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.
- 3.5 Subject/ Course Options exercised through ON-LINE Registration are final and CANNOT be changed, nor can they be inter-changed; further, alternate choices will also not be considered. However, if the Subject/ Course that has already been listed for Registration (by the Head of 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), which may be considered. Such alternate arrangements will be made by the Head of Department, with due notification and time-framed schedule, within the FIRST WEEK from the commencement of Class-work for that Semester.

4 ATTENDANCE:

The programme offered on a unit basis with each subject being considered a unit.

- 4.1 Attendance in all classes (Lectures/Laboratories etc.) is compulsory. The minimum required attendance in each theory / Laboratory etc. is 75% including the days of attendance in sports, games, NCC and NSS activities for appearing for the End Semester examination. A student shall not be permitted to appear for the Semester End Examinations (SEE) if his attendance is less than 75%.
- 4.2 Condonation of shortage of attendance in each subject up to 10% (65% and above and below 75%) in each semester shall be granted by the College Academic Committee.
- 4.3 Shortage of Attendance below 65% in each subject shall not be condoned.
- 4.4 Students whose shortage of attendance is not condoned in any subject are not eligible to write their end semester examination of that subject and their registration shall stand cancelled.
- 4.5 A prescribed fee shall be payable towards condonation of shortage of attendance.
- 4.6 A Candidate shall put in a minimum required attendance at least three (3) theory subjects in each semester for promoting to next Semester. In order to qualify for the award of the MBA Degree, the candidate shall complete all the academic requirements of the subjects, as per the course structure.
- 4.7 A student shall not be promoted to the next semester unless he satisfies the attendance requirement of the present Semester, as applicable. They may seek readmission into that semester when offered next. If any candidate fulfills the attendance requirement in the present semester, he shall not be eligible for readmission into the same class.

5. EVALUATION

The performance of the candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for theory and 100 marks for practicals, on the basis of Internal Evaluation and End Semester Examination.


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- 5.1 For the theory subjects 75 marks shall be awarded for the performance in the Semester End Examination and 25 marks shall be awarded for Continuous Internal Evaluation (CIE). The Continuous Internal Evaluation shall be made based on the average of the marks secured in the two Mid Term-Examinations conducted, one in the middle of the Semester and the other, immediately after the completion of Semester instructions. Each mid-term examination shall be conducted for a total duration of 120 minutes with Part A as compulsory question (10 marks) consisting of 5 sub-questions carrying 2 marks each, and Part B with 3 questions to be answered out of 5 questions, each question carrying 5 marks. The details of the Question Paper pattern for End Examination (Theory) are given below:
- The Semester End Examination will be conducted for 75 marks. It consists of two parts. i).Part-A for 25 marks, ii). Part-B for 50 marks.
 - Part-A is a compulsory question consisting of 5 questions, one from each unit and carries 5 marks each.
 - Part-B to be answered 5 questions carrying 10 marks each. There will be two questions from each unit and only one should be answered.
- 5.2 For practical subjects, 75 marks shall be awarded for performance in the Semester End Examinations and 25 marks shall be awarded for day-to-day performance as Internal Marks.
- 5.3 For conducting laboratory end examinations of MBA Programmes, one internal examiner and one external examiner are to be appointed by the Principal of the College and the same to be informed to the Director of Evaluation in two weeks before for commencement of the lab end examinations. The external examiner should be selected from outside the College concerned but within the cluster. No external examiner should be appointed from any other College in the same cluster/any other cluster which is run by the same Management.
- 5.4 There shall be five seminar presentations during MBA program. For seminar, a student under the supervision of a faculty member, shall collect the literature on a topic and critically review the literature and submit it to the department in a report form and shall make an oral presentation before the Departmental Academic Committee consisting of Head of the Department, Supervisor and two other senior faculty members of the department. For each Seminar there will be only internal evaluation of 50 marks. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to fulfill minimum marks, he has to reappear during the supplementary examinations.
- 5.4 There shall be a Comprehensive Viva-Voce in II year II Semester. The Comprehensive Viva-Voce is intended to assess the students' understanding of various subjects he has studied during the MBA course of study. The Head of the Department shall be associated with the conduct of the Comprehensive Viva-Voce through a Committee. The Committee consisting of Head of the Department, one senior faculty member and an external examiner. The external examiner shall be appointed by the Director of Evaluation. For this, the Principal of the College shall submit a panel of 3 examiners. There are no internal marks for the Comprehensive Viva-Voce and evaluates for maximum of 100 marks. A candidate has to secure a minimum of 50% of marks to be declared successful. If he fails to fulfill minimum marks, he has to reappear during the supplementary examinations.


- 5.5 A candidate shall be deemed to have secured the minimum academic requirement in a subject if he secures a minimum of 40% of marks in the Semester End Examination and a minimum aggregate of 50% of the total marks in the Semester End Examination and Continuous Internal Evaluation taken together.
- 5.6 In case the candidate does not secure the minimum academic requirement in any subject (as specified in 5.5) he has to reappear for the Semester End Examination in that subject.
- 5.7 A candidate shall be given one chance to re-register for the subjects if the internal marks secured by a candidate is less than 50% and failed in that subject for maximum of two subjects and should register within four weeks of commencement of the class work. In such a case, the candidate must re-register for the subjects and secure the required minimum attendance. The candidate's attendance in the re-registered subject(s) shall be calculated separately to decide upon his eligibility for writing the Semester End Examination in those subjects. In the event of the student taking another chance, his Continuous Internal Evaluation (internal) marks and Semester End Examination marks obtained in the previous attempt stands cancelled.
- 5.8 In case the candidate secures less than the required attendance in any subject, he shall not be permitted to write the Semester End Examination in that subject. He shall re-register for the subject when next offered.

6 Examinations and Assessment - The Grading System

- 61 Marks will be awarded to indicate the performance of each student in each Theory Subject, or Lab/Practicals, or Seminar, or Project, etc., based on the % marks obtained in CIE + SEE (Continuous Internal Evaluation + Semester End Examination, both taken together) as specified in Item 6 above, and a corresponding Letter Grade shall be given.
- 62 As a measure of the student's performance, a 10-point Absolute Grading System using the following Letter Grades (UGC Guidelines) and corresponding percentage of marks shall be followed:

<i>% of Marks Secured (Class Intervals)</i>	<i>Letter Grade (UGC Guidelines)</i>	<i>Grade Points</i>
80% and above ($\geq 80\%$, $\leq 100\%$)	O (Outstanding)	10
Below 80% but not less than 70% ($\geq 70\%$, $< 80\%$)	A ⁺ (Excellent)	9
Below 70% but not less than 60% ($\geq 60\%$, $< 70\%$)	A (Very Good)	8
Below 60% but not less than 55% ($\geq 55\%$, $< 60\%$)	B ⁺ (Good)	7
Below 55% but not less than 50% ($\geq 50\%$, $< 55\%$)	B (above Average)	6
Below 50% ($< 50\%$)	F (FAIL)	0
Absent	Ab	0

- 6.3 A student obtaining F Grade in any Subject shall be considered 'failed' and is be required to reappear as 'Supplementary Candidate' in the Semester End Examination (SEE), as and when offered. In such cases, his Internal Marks (CIE Marks) in those Subjects will remain the same as those he obtained earlier.


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- 6.4 A student not appeared for examination then 'Ab' Grade will be allocated in any Subject shall be considered 'failed' and will be required to reappear as 'Supplementary Candidate' in the Semester End Examination (SEE), as and when offered.
- 6.5 A Letter Grade does not imply any specific Marks percentage and it will be the range of marks percentage.
- 6.6 In general, a student shall not be permitted to repeat any Subject/ Course (s) only for the sake of 'Grade Improvement' or 'SGPA/ CGPA Improvement'.
- 6.7 A student earns Grade Point (GP) in each Subject/ Course, on the basis of the Letter Grade obtained by him 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

- 6.8 The Student passes the Subject/ Course only when he gets **GP \geq 6 (B Grade or above)**.
- 6.9 The Semester Grade Point Average (SGPA) is calculated by dividing the Sum of Credit Points (Σ 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 = $\{ \sum_{i=1}^N C_i G_i \} / \{ \sum_{i=1}^N C_i \}$ For each Semester,

where 'i' is the Subject indicator index (takes into account all Subjects in a Semester), 'N' is the no. of Subjects 'REGISTERED' for the Semester (as specifically required and listed under the Course Structure of the parent Department), C_i is the no. of Credits allotted to the i^{th} Subject, and G_i represents the Grade Points (GP) corresponding to the Letter Grade awarded for that i^{th} Subject.

- 6.10 The Cumulative Grade Point Average (CGPA) is a measure of the overall cumulative performance of a student over all Semesters considered for registration. The CGPA is the ratio of the Total Credit Points secured by a student in ALL registered Courses in ALL Semesters, and the Total Number of Credits registered in ALL the Semesters. CGPA is rounded off to TWO Decimal Places. CGPA is thus computed from the I Year Second Semester onwards, at the end of each Semester, as per the formula

**CGPA = $\{ \sum_{j=1}^M C_j G_j \} / \{ \sum_{j=1}^M C_j \}$... for all S Semesters registered
(ie., upto and inclusive of S Semesters, $S \geq 2$),**

where 'M' is the TOTAL no. of Subjects (as specifically required and listed under the Course Structure of the parent Department) the Student has 'REGISTERED' from the 1st Semester onwards upto and inclusive of the Semester S (obviously $M > N$), 'j' is the Subject indicator index (takes into account all Subjects from 1 to S Semesters), C_j is the no. of Credits allotted to the j^{th} Subject, and G_j represents the Grade Points (GP) corresponding to the Letter Grade awarded for that j^{th} Subject. After registration and completion of I Year I Semester however, the SGPA of that Semester itself may be taken as the CGPA, as there are no cumulative effects.

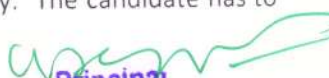

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- 6.11 For Calculations listed in Item 7.6 – 7.10, performance in failed Subjects/ Courses (securing F Grade) will also be taken into account, and the Credits of such Subjects/ Courses will also be included in the multiplications and summations.

7. EVALUATION OF PROJECT/DISSERTATION WORK

Every candidate shall be required to submit a thesis or dissertation on a topic approved by the Project Review Committee.

- 7.1 A Project Review Committee (PRC) shall be constituted with Head of the Department as Chairperson, Project Supervisor and one senior faculty member of the Departments offering the MBA programme.
- 7.2 Registration of Project Work: A candidate is permitted to register for the project work after satisfying the attendance requirement of all the subjects, both theory and practical.
- 7.3 After satisfying 7.2, a candidate has to submit, in consultation with his Project Supervisor, the title, objective and plan of action of his project work to the PRC for approval. Only after obtaining the approval of the PRC the student can initiate the Project work.
- 7.4 If a candidate wishes to change his supervisor or topic of the project, he can do so with the approval of the PRC. However, the PRC shall examine whether or not the change of topic/supervisor leads to a major change of his initial plans of project proposal. If yes, his date of registration for the project work starts from the date of change of Supervisor or topic as the case may be.
- 7.5 A candidate shall submit his project status report in two stages at least with a gap of 3 months between them.
- 7.6 The work on the project shall be initiated at the beginning of the II year II Semester and the duration of the project is one semester. A candidate is permitted to submit Project dissertation only after successful completion of all theory and practical courses with the approval of PRC not earlier than the Academic Calendar of the Semester from the date of registration of the project work. For the approval of PRC the candidate shall submit the draft copy of the dissertation to the Head of the Department and make an oral presentation before the PRC.
- 7.7 After approval from the PRC, the soft copy of the dissertation should be submitted to the University for ANTI-PLAGIARISM for the quality check and the plagiarism report should be included in the final dissertation. If the copied information is less than 24%, then only dissertation will be accepted for submission.
- 7.8 Three copies of the dissertation certified by the supervisor shall be submitted to the College/School/Institute.
- 7.9 For Project Evaluation (Viva Voce) there is an internal marks of 25, the evaluation should be done by the PRC for 15 marks and Supervisor will evaluate for 10 marks. The Supervisor and PRC will examine the Problem Definition, Objectives, Scope of Work, Literature Survey in the same domain.
- 7.10 For Project Evaluation (Viva Voce) there is an external marks of 75 and the same evaluated by the External examiner appointed by the University. The candidate has to


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secure minimum of 50 marks out of 100 marks in the Project Evaluation (Viva-Voce) examination.

- 7.11 If he fails to fulfill as specified in 7.10, he will reappear for the Viva-Voce examination only after three months. In the reappeared examination also, fails to fulfill, he will not be eligible for the award of the degree.
- 7.12 The dissertation shall be adjudicated by one examiner selected by the University. For this, the Principal of the College shall submit a panel of 3 examiners, eminent in that field, with the help of the guide concerned and Head of the Department.
- 7.13 If the report of the examiner is not favourable, the candidate shall revise and resubmit the Dissertation. If the report of the examiner is unfavourable again, the dissertation shall be summarily rejected.
- 7.14 If the report of the examiner is favourable, Project Viva-Voce examination shall be conducted by a board consisting of the Supervisor, Head of the Department and the external examiner who adjudicated the dissertation.
- 7.15 The Head of the Department shall coordinate and make arrangements for the conduct of Project Viva- Voce examination.

8. AWARD OF DEGREE AND CLASS

- 8.1 A Student who registers for all the specified Subjects/ Courses as listed in the Course Structure, satisfies all the Course Requirements, and passes the examinations prescribed in the entire PG Programme (PGP), and secures the required number of 88 Credits (with CGPA ≥ 6.0), shall be declared to have 'QUALIFIED' for the award of the MBA Degree as he admitted.

8.2 **Award of Class**

After a student has satisfied the requirements prescribed for the completion of the programme and is eligible for the award of MBA Degree, he shall be placed in one of the following three classes based on the CGPA:

Class Awarded	CGPA
First Class with Distinction	≥ 7.75
First Class	$6.75 \leq \text{CGPA} < 7.75$
Second Class	$6.00 \leq \text{CGPA} < 6.75$

- 8.3 A student with final CGPA (at the end of the PGP) < 6.00 will not be eligible for the Award of Degree.

9. WITHHOLDING OF RESULTS

If the student has not paid the dues, if any, to the University or if any case of indiscipline is pending against him, the result of the student will be withheld and he will not be allowed into the next semester. His degree will be withheld in such cases.


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10. TRANSITORY REGULATIONS

- 10.1 If any candidate is detained due to shortage of attendance in one or more subjects, they are eligible for re-registration to maximum of two earlier or equivalent subjects at a time as and when offered.
- 10.2 The candidate who fails in any subject will be given two chances to pass the same subject; otherwise, he has to identify an equivalent subject as per R15 Academic Regulations.

11 GENERAL


- 11.1 **Credit:** A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
- 11.2 **Credit Point:** It is the product of grade point and number of credits for a course.
- 11.3 Wherever the words "he", "him", "his", occur in the regulations, they include "she", "her".
- 11.4 The academic regulation should be read as a whole for the purpose of any interpretation.
- 11.5 In the case of any doubt or ambiguity in the interpretation of the above rules, the decision of the Vice-Chancellor is final.
- 11.6 The University may change or amend the academic regulations or syllabi at any time and the changes or amendments made shall be applicable to all the students with effect from the dates notified by the University.


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MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS


	Nature of Malpractices/Improper conduct	Punishment
	<i>If the candidate:</i>	
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 he is appearing but has not made use of (material shall include any marks on the body of the candidate which can be used as an aid in the 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 candidate orally or by any other body language methods or communicates through cell phones with any candidate or persons in or outside the exam hall in respect of any matter.	Expulsion from the examination hall and cancellation of the performance in that subject only of all the candidates involved. In case of an outsider, he will be handed over to the police and a case 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 candidate is appearing.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is to be cancelled and sent to the University.
3.	Impersonates any other candidate in connection with the examination.	The candidate who has impersonated shall be expelled from examination hall. The candidate is also debarred and forfeits the seat. The performance of the original candidate who has been impersonated, shall be cancelled in all the 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 candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case 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 candidate 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 candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the Chief Superintendent/Assistant – Superintendent / any officer on duty or misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in- charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall	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 candidate(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The candidates also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.


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	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 of 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 candidate 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 candidate is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the candidate is subject to the academic regulations in connection with forfeiture of seat.
8.	Possess any lethal weapon or firearm in the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is also debarred and forfeits the seat.
9.	If student of the college, who is not a candidate for the particular examination or any person not connected with the college indulges in any malpractice or improper conduct mentioned in clause 6 to 8.	Student of the colleges expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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 candidate is also debarred and forfeits the seat. Person(s) who do not belong to the College will be handed over to police and, a police case will be registered against them.
10.	Comes in a drunken condition to the examination hall.	Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the candidate 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.
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 candidate has appeared including practical examinations and project work of that semester/year examinations.
12.	If any malpractice is detected which is not covered in the above clauses 1 to 11 shall be reported to the University for further action to award suitable punishment.	

Malpractices identified by squad or special invigilators

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


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
ACADEMIC CALENDAR 2020-21

For All Constituent & Affiliated Colleges of JNTUH

B. Tech./B.Pharm. I Year I & II Semesters

(Online Classes)

B. Tech./B.Pharm. I Year - I Semester

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Orientation Programme	01.12.2020	
2	1 st Spell of Instructions	01.12.2020	23.01.2021 (8 Weeks)
3	First Mid Term Examinations	25.01.2021	30.01.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	06.02.2021	
5	Parent-Teacher Meeting	12.02.2021	
6	2 nd Spell of Instructions	01.02.2021	27.03.2021 (8 Weeks)
7	Second Mid Term Examinations (including public holidays)	29.03.2021	06.04.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	07.04.2021	12.04.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	12.04.2021	
10	End Semester Examinations	15.04.2021	29.04.2021 (2 Weeks)

B. Tech./ B.Pharm. I Year - II Semester

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	30.04.2021	
2	1 st Spell of Instructions	30.04.2021	24.06.2021 (8 Weeks)
3	First Mid Term Examinations	25.06.2021	30.06.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	05.07.2021	
5	Parent-Teacher Meeting	09.07.2021	
6	2 nd Spell of Instructions	01.07.2021	25.08.2021 (8 Weeks)
7	Second Mid Term Examinations	26.08.2021	01.09.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	02.09.2021	08.09.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	08.09.2021	
10	End Semester Examinations	09.09.2021	22.09.2021 (2 Weeks)

Note: All the laboratory courses shall be conducted once normalcy is restored.


REGISTRAR


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdl),
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
(Established by Govt. Act No. 30 of 2008)
Kukatpally, Hyderabad – 500085, Telangana, India.

Dr. M. Manzoor Hussain
M.Tech., Ph.D.,
Professor of Mechanical Engineering &
REGISTRAR

Lr. No. DAPO/ Continuation of Online Classes /2021

Date: 12.04.2021

To
The Directors/Principals of Constituent, Affiliated and Autonomous Colleges of JNTUH


Sub: 1 JNTUH, Hyderabad – Directorate of Academic & Planning – Continuation of Online Classes for UG/PG I years courses - Reg.
2 Note orders of the Vice-Chancellor dated 12.04.2021.

With reference to the subject cited above, it is here by informed the Directors / Principals of all constituent, affiliated and autonomous Colleges of JNTUH as per the State Government directions to continue online classes for all the existing courses and suggested the following for UG & PG - I Year courses:

- (i) To conduct Mid exams for UG - I Year I Semester / PG - I Year I Semester, the Principals are requested to make the schedule as per the convenience at the respective college level (online / off-line / blended mode). The Lab Classes / Examinations and End Examinations dates will be scheduled as per State Government directions.
- (ii) Online classwork as per the calendar given below for UG & PG - I Year II Semester:

Revised Academic Calendars for B. Tech./ B.Pharm. I Year - II Semester for the academic 2020-21

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	15.04.2021	
2	1 st Spell of Instructions	15.04.2021	09.06.2021 (8 Weeks)
3	First Mid Term Examinations	10.06.2021	16.06.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	23.06.2021	
5	2 nd Spell of Instructions	17.06.2021	11.08.2021 (8 Weeks)
6	Second Mid Term Examinations	12.08.2021	18.08.2021 (1 Week)
7	Preparation Holidays and Practical Examinations	20.08.2021	26.08.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	26.08.2021	
9	End Semester Examinations	27.08.2021	09.09.2021 (2 Weeks)


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Revised Academic Calendars for M.Tech./ M.Pharm. /MBA / MCA-I Year - II Semester for the academic 2020-21

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	26.04.2021	
2	1 st Spell of Instructions	26.04.2021	19.06.2021 (8 Weeks)
3	First Mid Term Examinations	21.06.2021	26.06.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	03.07.2021	
5	2 nd Spell of Instructions	28.06.2021	21.08.2021 (8 Weeks)
6	Second Mid Term Examinations	23.08.2021	28.08.2021 (1 Week)
7	Preparation Holidays and Practical Examinations	30.08.2021	04.09.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	03.09.2021	
9	End Semester Examinations	06.09.2021	18.09.2021 (2 Weeks)

Pharm. D (Regular) and Pharm.D (PB) courses as per the existing Academic Calendar.

This is for your information and necessary action.

Yours sincerely


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdl),
Medchal Dist-501 301


REGISTRAR

12/09/21

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
REVISED ACADEMIC CALENDAR 2020-21
For All Constituent & Affiliated Colleges of JNTUH
B. Tech./B.Pharm. II, III & IV Years I & II Semesters

B. Tech./B.Pharm. II, III & IV Years - I Semester

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	01.09.2020	
2	1 st Spell of Instructions (including Dussehra Recess)	01.09.2020	31.10.2020 (9 Weeks)
3	Dussehra Recess	19.10.2020	24.10.2020
4	End Examinations preparation holidays - Previous Semesters	02.11.2020	04.11.2020 (3 days)
5	2 nd Spell of Instructions (including First Mid Term Examinations)	14.12.2020	13.02.2021 (9 Weeks)
6	First Mid Term Examinations	21.12.2020	28.12.2020 (1 Week)
7	Submission of First Mid Term Exam Marks to the University on or before	04.01.2021	
8	Second Mid Term Examinations	15.02.2021	20.02.2021 (1 Week)
9	Practical classes	22.02.2021	27.02.2021 (1 Week)
10	Preparation Holidays and Practical Examinations	01.03.2021	06.03.2021 (1 Week)
11	Submission of Second Mid Term Exam Marks to the University on or before	27.02.2021	
12	End Semester Examinations	08.03.2021	20.03.2021 (2 Weeks)

B. Tech./ B.Pharm. II, III & IV Years - II Semester

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	22.03.2021	
2	1 st Spell of Instructions	22.03.2021	15.05.2021 (8 Weeks)
3	Summer Vacation	17.05.2021	29.05.2021 (2 Weeks)
4	First Mid Term Examinations	31.05.2021	05.06.2021 (1 Week)
5	Submission of First Mid Term Exam Marks to the University on or before	11.06.2021	
6	2 nd Spell of Instructions	07.06.2021	31.07.2021 (8 Weeks)
7	Second Mid Term Examinations	02.08.2021	07.08.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	09.08.2021	14.08.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	14.08.2021	
10	End Semester Examinations	16.08.2021	28.08.2021 (2 Weeks)

- Note: 1 All the laboratory courses shall be conducted once normalcy is restored.
2 Regular End Semester Examinations of previous Semester (including lab exams) as per the data received from the Examination branch: 05.11.2020 to 11.12.2020.

Sd/- xxxxxx
DIRECTOR, ACADEMIC & PLANNING

(Signature)
Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (Mdl),
Medchal Dist-501 301

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Tentative Academic Calendar (2020-21)
For All Constituent & Affiliated Colleges of JNTUH
MBA / MCA I Year - I & II Semesters

MBA / MCA I Year - I Semester

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Induction Programme	28.12.2020	
2	1 st Spell of Instructions	28.12.2020	20.02.2021 (8 Weeks)
3	First Mid Term Examinations	22.02.2021	27.02.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	06.03.2021	
5	2 nd Spell of Instructions	01.03.2021	24.04.2021 (8 Weeks)
6	Second Mid Term Examinations	26.04.2021	01.05.2021 (1 Week)
7	Practical classes	03.05.2021	08.05.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	08.05.2021	
9	Preparation Holidays and Practical Examinations	10.05.2021	15.05.2021 (1 Week)
10	End Semester Examinations	17.05.2021	29.05.2021 (2 Weeks)

MBA / MCA I Year - II Semester

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	31.05.2021	
2	1 st Spell of Instructions	31.05.2021	24.07.2021 (8 Weeks)
3	First Mid Term Examinations	26.07.2021	31.07.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	07.08.2021	
5	2 nd Spell of Instructions	02.08.2021	25.09.2021 (8 Weeks)
6	Second Mid Term Examinations	27.09.2021	01.10.2021 (1 Week)
7	Submission of Second Mid Term Exam Marks to the University on or before	09.10.2021	
8	Preparation Holidays and Practical Examinations	04.10.2021	09.10.2021 (1 Week)
9	End Semester Examinations	11.10.2021	27.10.2021 (2 Weeks)

Note: All the laboratory courses shall be conducted once normalcy is restored.

Sd/----

Director, Academic & Planning


Principal
Megha Inst. of Engg. & Tech for Women
Edulabad, Ghatkesar (MdI),
Medchal Dist-501 301

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Revised Academic Calendar (2020-21)
For All Constituent & Affiliated Colleges of JNTUH
MBA/MCA II Year I & II Semesters

MBA/MCA II Year I Semester

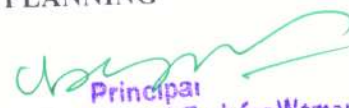
S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork	01.09.2020	
2	1 st Spell of Instructions (including Dussehra Recess, previous Semester End Examinations)	01.09.2020	16.11.2020 (11 Weeks)
3	Dussehra Recess	19.10.2020	24.10.2020 (1 Week)
4	2 nd Spell of Instructions (including First Mid Term Examinations)	17.11.2020	18.01.2021 (9 Weeks)
5	First Mid Term Examinations	07.12.2020	12.12.2020 (1 Week)
6	Submission of First Mid Term Exam Marks to the University on or before	19.12.2020	
7	Second Mid Term Examinations	19.01.2021	23.01.2021 (1 Week)
8	Practical Classes	25.01.2021	30.01.2021 (1 Week)
9	Preparation Holidays and Practical Examinations	01.02.2021	06.02.2021 (1 Week)
10	Submission of Second Mid Term Exam Marks to the University on or before	30.01.2021	
11	End Semester Examinations	08.02.2021	20.02.2021 (2 Weeks)

MBA/MCA II Year II Semester

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	22.02.2021	
2	1 st Spell of Instructions	22.02.2021	17.04.2021 (8 Weeks)
3	First Mid Term Examinations	19.04.2021	24.04.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	01.05.2021	
5	2 nd Spell of Instructions (including Summer Vacation)	26.04.2021	03.07.2021 (10 Weeks)
6	Summer Vacation	17.05.2021	29.05.2021 (2 Weeks)
7	Second Mid Term Examinations	05.07.2021	10.07.2021 (1 Week)
8	Preparation Holidays and Practical Examinations	12.07.2021	17.07.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	17.07.2021	
10	End Semester Examinations	19.07.2021	31.07.2021 (2 Weeks)

Note: 1 All the laboratory courses shall be conducted once normalcy is restored.
2. Regular End Semester Examinations of previous Semester (including lab exams) as per the data received from the Examination branch: 12.10.2020, 27.10.2020, 31.10.2020, 08.11.2020 to 16.11.2020 (04.11.2020 only MBA).

Sd/- xxxxxx
DIRECTOR, ACADEMIC & PLANNING


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 500085


EXAMINATION BRANCH

B.TEC I YEAR I SEMESTER – R18 REGULATIONS I - MID TERM EXAMINATIONS JAN-2021

TIME TABLE

TIME → FN: 9.30 AM TO 10.50 AM
AN: 01.30 PM TO 02.50 PM

BRANCH	DATE, SESSION AND DAY		
	27-01-2021 FN WEDNESDAY	27-01-2021 AN WEDNESDAY	28-01-2021 FN THURSDAY
CIVIL ENGINEERING (01-C E)	Mathematics-I (Common to CE, ME, AE, MECT MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, ITE, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS)	Programming for Problem Solving (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT), (CSBS)	Engineering Physics (Common to CE, ME, AE, MECT, MME, MIE, PTME)
ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)	Mathematics-I (Common to CE, ME, AE, MECT MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, ITE, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS)	Chemistry (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE)	Basic Electrical Engineering (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE)
MECHANICAL ENGINEERING (03-ME)	Mathematics-I (Common to CE, ME, AE, MECT MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, ITE, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS)	Programming for Problem Solving (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT), (CSBS)	Engineering Physics (Common to CE, ME, AE, MECT, MME, MIE, PTME)
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Mathematics-I (Common to CE, ME, AE, MECT MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, ITE, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS)	Programming for Problem Solving (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT), (CSBS)	Applied Physics (Common to ECE, EIE, CSE(AL&ML) & CSE(IOT)), (CSBS)
			English (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE))


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 500085
EXAMINATION BRANCH

B.TEC I YEAR I SEMESTER – R18 REGULATIONS I - MID TERM EXAMINATIONS JAN-2021
T I M E T A B L E

TIME → FN: 9.30 AM TO 10.50 AM
AN: 01.30 PM TO 02.50 PM

BRANCH	DATE, SESSION AND DAY			
	27-01-2021 FN WEDNESDAY	27-01-2021 AN WEDNESDAY	28-01-2021 FN THURSDAY	28-01-2021 AN THURSDAY
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Mathematics-I (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, ITE, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS)	Chemistry (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE)	Basic Electrical Engineering (Common to EEE, CSE, IT, ITE, CSE(Cyber Security), CSE(Data Science), CSE(Networks) & Computer Engineering(Software Eng))	English (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE))
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Mathematics-I (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, ITE, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS)	Programming for Problem Solving (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT) (CSBS)	Applied Physics (Common to ECE, EIE, CSE(AL&ML) & CSE(IOT), (CSBS))	---
INFORMATION TECHNOLOGY (12- IT)	Mathematics-I (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, ITE, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS)	Chemistry (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE))	Basic Electrical Engineering (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE))	English (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CSE(Networks) & CE(SE))

Principal
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

EXAMINATION BRANCH

B.TECH I YEAR II SEMESTER - R18 REGULATIONS II - MID TERM EXAMINATIONS SEPTEMBER-2021

TIME TABLE

TIME → FN: 10.00 AM TO 11.30 AM
AN: 02.00 PM TO 03.30 PM

DATE, SESSION AND DAY			
BRANCH	01-09-2021 FN WEDNESDAY	01-09-2021 AN WEDNESDAY	02-09-2021 FN THURSDAY
CIVIL ENGINEERING (01-C E)	Mathematics-II (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS))	Chemistry (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT), CSBS)	Engineering Mechanics (Common to CE, ME, AE, MECT, MME, MIE, PTME,) English (Common To CE, ME, AE, MECT, MME, MIE, PTME, ,CSE(AL&ML), CSE(IOT), CSBS
ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)	Mathematics-II (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS))	Applied Physics (Common to EEE, CSE, IT, ITE, CSE(CS) CSE(DS) CE(SE)) CSE(NETWORKS)	Programming for Problem Solving (Common to EEE, CSE, IT, ITE, CSE(CS) CSE(DS) CE(SE)) CSE(NETWORKS)
MECHANICAL ENGINEERING (03-ME)	Mathematics-II (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS))	Chemistry (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT), CSBS)	Engineering Mechanics (Common to CE, ME, AE, MECT, MME, MIE, PTME,) English (Common To CE, ME, AE, MECT, MME, MIE, PTME, ,CSE(AL&ML), CSE(IOT), CSBS

CONTINUED ON PAGE 2



Principal
Megha Inst. of Engg. & Tech for Women
Eduiabad, Ghatkesar (Mdl),
Medchal Dist-501 301

BRANCH	DATE, SESSION AND DAY			
	01-09-2021 FN WEDNESDAY	01-09-2021 AN WEDNESDAY	02-09-2021 FN THURSDAY	02-09-2021 AN THURSDAY
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Mathematics-II (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS))	Chemistry (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT), CSBS)	Basic Electrical Engineering (Common to ECE, EIE, CSE(AL&ML), CSE(IOT), CSBS)	English (Common To CE, ME, AE, MECT, MME, MIE, PTME, CSE(AL&ML), CSE(IOT), CSBS)
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Mathematics-II (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS))	Applied Physics (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CE(SE), CSE(NETWORKS), CE(SE), CSBS)	Programming for Problem Solving (Common to EEE, CSE, IT, ITE, CSE(CS), CSE(DS), CE(SE), CSE(NETWORKS))	-----
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Mathematics-II (Common to CE, ME, AE, MECT, MME, MIE, PTME, EEE, ECE, CSE, EIE, IT, CSE(AL&ML), CSE(IOT), CSE(CS), CSE(DS), CSE(Networks) & CE(SE), (CSBS))	Chemistry (Common to CE, ME, AE, MECT, MME, MIE, PTME, ECE, EIE, CSE(AL&ML), CSE(IOT), CSBS)	Basic Electrical Engineering (Common to ECE, EIE, CSE(AL&ML), CSE(IOT), CSBS)	English (Common To CE, ME, AE, MECT, MME, MIE, PTME, CSE(AL&ML), CSE(IOT), CSBS)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

EXAMINATION BRANCH

II YEAR B.TECH I SEMESTER R18 REGULATION I - MID TERM EXAMINATIONS DECEMBER-2020 PROVISIONAL TIME TABLE

TIME → FN: 9.30 AM T 10.50 AM AN: 01.30 PM TO 02.50 PM

BRANCH	DATE, SESSION AND DAY			
	23-12-2020 FN WEDNESDAY	23-12-2020 AN WEDNESDAY	28-12-2020 FN MONDAY	28-12-2020 AN MONDAY
CIVIL ENGINEERING (01- C E)	Surveying and Geomatics	Engineering Geology	Strength of Materials - I	Probability and Statistics
ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)	Engineering Mechanics	Electrical Circuit Analysis	Analog Electronics	Electrical Machines - I
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Probability Theory and Stochastic Processes	Network Analysis and Transmission Lines	Digital System Design	Signals and Systems (Common TO ECE, EIE)
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Analog and Digital Electronics (Common TO CSE, IT)	Data Structures (Common TO CSE, IT)	Computer Oriented Statistical Methods (Common TO CSE, IT)	Object Oriented Programming using C++ (Common TO CSE, IT)
				Fluid Mechanics
				Electromagnetic Fields
				Electronic Devices and Circuits (Common TO ECE, EIE, MECE)
				Computer Organization and Architecture

DATE: 18-12-2020

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.


Principal
Megha Inst. of Engg. & Tech for Women
Eduilabad, Ghatkesar (Mdl),
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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 500085

EXAMINATION BRANCH

II YEAR B.TECH I SEMESTER R18 REGULATION II - MID TERM EXAMINATIONS MARCH-2021

TIME TABLE

TIME → FN: 9.30 AM TO 10.50 AM
AN: 01.30 PM TO 02.50 PM

BRANCH	DATE, SESSION AND DAY			
	01-03-2021 FN MONDAY	01-03-2021 AN MONDAY	02-03-2021 FN TUESDAY	02-03-2021 AN TUESDAY
CIVIL ENGINEERING (01-C E)	Surveying and Geomatics	Engineering Geology	Strength of Materials - I	Probability and Statistics
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Engineering Mechanics	Electrical Circuit Analysis	Analog Electronics	Electrical Machines - I
MECHANICAL ENGINEERING (03- ME)	Probability and Statistics (& Complex Variables (common to ME MECT, MMT, AE, MIE, PTM	Mechanics of Solids (common to ME, MECT, MIE)	Material Science and Metallurgy (common to ME, MECT)	Production Technology
				Fluid Mechanics
				Electromagnetic Fields
				Thermodynamics

DATE: 15-02-2021

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EXAMINATION BRANCH

II YEAR B.TECH I SEMESTER R18 REGULATION II-MID TERM EXAMINATIONS MARCH-2021
TIME TABLE

TIME → FN: 9.30 AM TO 10.50 AM
AN: 01.30 PM TO 02.50 PM

DATE, SESSION AND DAY					
BRANCH	01-03-2021 FN MONDAY	01-03-2021 AN MONDAY	02-03-2021 FN TUESDAY	02-03-2021 AN TUESDAY	03-03-2021 FN WEDNESDAY
ELECTRONICS & COMMUNICATIONS ENGINEERING (04-ECE)	Probability Theory and Stochastic Processes	Network Analysis and Transmission Lines	Digital System Design	Signals and Systems (Common TO ECE, EIE)	Electronic Devices and Circuits (Common TO ECE, EIE, MEET)
COMPUTER SCIENCE & ENGINEERING (05-CSE)	Analog and Digital Electronics (Common TO CSE, IT)	Data Structures (Common TO CSE, IT)	Computer Oriented Statistical Methods (Common TO CSE, IT)	Object Oriented Programming using C++ (Common TO CSE, IT)	Computer Organization and Architecture
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10EIE)	Electronic Measurements	Network Theory	Transducers Engineering	Signals and Systems (Common TO ECE, EIE)	Electronic Devices and Circuits (Common TO ECE, EIE, MEET)

DATE: 15-02-2021

CONTINUED ON PAGE -3


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EXAMINATION BRANCH

II YEAR B.TECH -II SEMESTER - R18 REGULATION - II MID TERM EXAMINATIONS JULY-2021-OFFLINE TIME TABLE

BRANCH	DATE, SESSION AND DAY					
	22-07-2021 FN THURSDAY Time:11.20 AM to 12.40	22-07-2021 AN THURSDAY Time 3.00 PM to 4.20 PM	23-07-2021 FN FRIDAY Time:9.30 AM to 10.50 AM	23-07-2021 AN FRIDAY Time 1.10 PM to 2.30 PM	24-07-2021 FN SATURDAY Time:9.30 AM to 10.50 AM	24-07-2021 AN SATURDAY Time 1.10 PM to 2.30 PM
CIVIL ENGINEERING (01-C E)	Basic Electrical and Electronics Engineering (Common to CE, ME, MME, MNE)	Basic Mechanical Engineering for Civil Engineers	Strength of Materials - II	Structural Analysis - I	Hydraulics and Hydraulic Machinery	Building Materials, Construction and Planning
ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)	Laplace Transforms, Numerical Methods & Complex variables Common to EEE, ECE, EIE)	Electrical Machines - II	Control Systems	Power System - I	Digital Electronics	---
MECHANICAL ENGINEERING (03- ME)	Basic Electrical and Electronics Engineering (Common to CE, ME, MIE, MMT)	Kinematics of Machinery (Common to ME, MECT)	Thermal Engineering - I	Fluid Mechanics and Hydraulic Machines	Instrumentation and Control Systems	---


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DATE: 15-07-2021

BRANCH	DATE, SESSION AND DAY					
	22-07-2021 FN THURSDAY Time:11.20 AM to 12.40 AM	22-07-2021 AN THURSDAY Time 3.00 PM to 4..20 PM	23-07-2021 FN FRIDAY Time:9.30 AM to 10.50 AM	23-07-2021 AN FRIDAY Time 1.10 PM to 2.30 PM		24-07-2021 FN SATURDAY Time:9.30 AM to 10.50 AM
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Laplace Transforms, Numerical Methods & Complex Variables (Common to EEE, ECE, EIE)	Electromagnetic Fields and Waves	Analog and Digital Communications	Linear IC Applications (Common to ECE, EIE)	Electronic Circuit Analysis (Common to ECE, EIE)	
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Discrete Mathematics (Common to CSE, IT)	Business Economics & Financial Analysis (Common to CSE, IT)	Operating Systems (Common to CSE, IT)	Database Management Systems (Common to CSE, IT)	Java Programming (Common to CSE, IT)	-----
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Laplace Transforms, Numerical Methods & Complex Variables (Common to EEE, ECE, EIE)	Industrial Instrumentation	Digital System Design	Linear IC Applications (Common to ECE, EIE)	Electronic Circuit Analysis (Common to ECE, EIE)	-----

DATE: 15-07-2021

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

III YEAR B.TECH - I SEMESTER - R18 REGULATION - MID TERM EXAMINATIONS DECEMBER-2020


P R O V I S I O N A L T I M E T A B L E

TIME → FN: 9.30 AM TO 10.50 AM AN: 01.30 PM TO 02.50 PM

DATE, SESSION AND DAY

BRANCH	24-12-2020 FN THURSDAY	24-12-2020 AN THURSDAY	29-12-2020 FN TUESDAY	29-12-2020 AN TUESDAY	31-12-2020 FN THURSDAY	31-12-2020 AN THURSDAY
CIVIL ENGINEERING (01-C E)	Structural Analysis-II	Geotechnical Engineering	Structural Engineering-I	Transportation Engineering	Concrete Technology Theory of Elasticity Rock Mechanics	Engineering Economics and Accountancy Machinery Common to (CE, MME)
	Power Electronics	Power System-II	Measurements and Instrumentation	Business Economics and Financial Analysis Common to (EEE, ME, ECE, EIE, MCT, AE)	Computer Architecture High Voltage Engineering Electrical Machine Design	---
	Dynamics of Machinery Common to (ME, MCT)	Design of Machine Members-I	Metrology & Machine Tools	Business Economics & Financial Analysis Common to (EEE, ME, ECE, EIE, MCT, AE)	Thermal Engineering-II	Operations Research
ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)						
MECHANICAL ENGINEERING (03- ME)						

DATE: 06-01-2022


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EXAMINATION BRANCH

III YEAR B.TECH –I SEMESTER – R18 REGULATION – MID TERM EXAMINATIONS DECEMBER-2020


PROVISIONAL TIME TABLE

TIME → FN: 9.30 AM TO 10.50 AM

AN: 01.30 PM TO 02.50 PM

BRANCH	DATE, SESSION AND DAY				
	24-12-2020 FN THURSDAY	24-12-2020 AN THURSDAY	29-12-2020 FN TUESDAY	29-12-2020 AN TUESDAY	31-12-2020 FN THURSDAY
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Microprocessor & Microcontrollers Common to (ECE, EIE)	Data Communications and Networks	Control Systems Common to (ECE, EIE)	Business Economics & Financial Analysis Common to (EEE ,ME, ECE, ,EIE,MCT, AE)	Error Correcting Codes Electronic Measurements and Instrumentation Computer Organization & Operating Systems
	Formal Languages & Automata Theory Common to (CSE, IT)	Software Engineering Common to (CSE, IT)	Computer Networks	Web Technologies	Information Theory & Coding Advanced Computer Architecture Common to (CSE, IT) Data Analytics Common to (CSE, IT) Image Processing Common to (CSE, IT) Principles of Programming Languages Common to (CSE, IT)
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Microprocessor & Microcontrollers Common to (ECE, EIE)	Process Dynamics and Control	Control Systems Common to (ECE, EIE)	Business Economics & Financial Analysis Common to (EEE ,ME, ECE, ,EIE,MCT, AE)	Computer Graphics Common to (CSE, IT) Advanced Operating Systems Common to (CSE, IT) Informational Retrieval Systems Distributed Databases Natural Language Processing
					Instrumentation Practices in Industries Operating Systems Robotics and Automation

DATE: 06-01-2022


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EXAMINATION BRANCH

III YEAR B.TECH-I SEMESTER - R18 REGULATION II MID TERM EXAMINATIONS FEBRUARY-2021

TIME TABLE

TIME → FN: 9.30 AM TO 10.50 AM
AN: 01.30 PM TO 02.50 PM

BRANCH	DATE, SESSION AND DAY				
	25-02-2021 FN THURSDAY	25-02-2021 AN THURSDAY	26-02-2021 FN FRIDAY	26-02-2021 AN FRIDAY	27-02-2021 FN SATURDAY
CIVIL ENGINEERING (01-C-E)	Structural Analysis-II	Geotechnical Engineering	Structural Engineering-I	Transportation Engineering	Concrete Technology Theory of Elasticity Rock Mechanics
					Engineering Economics and Accountancy Common to (CE, MME)
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Power Electronics	Power System-II	Measurements and Instrumentation	Business Economics and Financial Analysis Common to (EEE, ME, ECE, EIE, MCT, AE)	Computer Architecture High Voltage Engineering Electrical Machine Design
					Operations Research
MECHANICAL ENGINEERING (03-ME)	Dynamics of Machinery Common to (ME, MCT)	Design of Machine Members-I	Metrology & Machine Tools	Business Economics & Financial Analysis Common to (EEE, ME, ECE, EIE, MCT, AE)	Thermal Engineering-II

Ma

DATE: 15-02-2021


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EXAMINATION BRANCH
III YEAR B.TECH - I SEMESTER - R18 REGULATION II MID TERM EXAMINATIONS FEBRUARY-2021
TIME TABLE

TIME → FN: 9.30 AM TO 10.50 AM
 AN: 01.30 PM TO 02.50 PM

BRANCH	DATE, SESSION AND DAY					27-02-2021 FN SATURDAY	
	25-02-2021 FN THURSDAY	25-02-2021 AN THURSDAY	26-02-2021 FN FRIDAY	26-02-2021 AN FRIDAY	27-02-2021 FN SATURDAY		
ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Microprocessor & Microcontrollers Common to (ECE, EIE)	Data Communications and Networks	Control Systems Common to (ECE, EIE)	Business Economics & Financial Analysis Common to (EEE ,ME, ECE, ,EIE,MCT, AE)	Error Correcting Codes	-----	
	COMPUTER SCIENCE & ENGINEERING (05- CSE)	Formal Languages & Automata Theory Common to (CSE, IT)	Software Engineering Common to (CSE, IT)	Computer Networks	Web Technologies	Information Theory & Coding Advanced Computer Architecture Common to (CSE, IT)	Computer Graphics Common to (CSE, IT) Advanced Operating Systems Common to (CSE, IT)
		ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Microprocessor & Microcontrollers Common to (ECE, EIE)	Process Dynamics and Control	Control Systems Common to (ECE, EIE)	Business Economics & Financial Analysis Common to (EEE ,ME, ECE, ,EIE,MCT, AE)	Data Analytics Common to (CSE, IT) Image Processing Common to (CSE, IT) Principles of Programming Languages Common to (CSE, IT)
					Instrumentation Practices in Industries		
					Operating Systems Robotics and Automation		

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EXAMINATION BRANCH


III YEAR B.TECH - II SEMESTER - R18 REGULATION I - MID TERM EXAMINATIONS MAY/JUNE-2021

TIME TABLE

							Coal Gasification, CBM & Shale Gas
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Date: 27-05-2021

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	31-05-2021 FN MONDAY	31-05-2021 AN MONDAY	01-06-2021 FN TUESDAY	01-06-2021 AN TUESDAY	02-06-2021 FN WEDNESDAY	02-06-2021 AN WEDNESDAY
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Signals and Systems	Microprocessors & Microcontrollers		E2 Optimization Techniques		(OE1) Disaster Preparedness & Planning Management Entrepreneurship Fundamentals of Management for Engineers Cyber Law & Ethics Basics of Sensors Technology Fundamentals of Internet of Things Quantitative Analysis of Engineering Systems Industrial Management
			Power System Protection 	Power System Operation and Control Edit with WPS Office Wind and Solar Energy systems		

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EXAMINATION BRANCH

III YEAR B.TECH - II SEMESTER - R18 REGULATION I - MID TERM EXAMINATIONS MAY/JUNE-2021 TIME TABLE

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	31-05-2021 FN MONDAY	31-05-2021 AN MONDAY	01-06-2021 FN TUESDAY	01-06-2021 AN TUESDAY	02-06-2021 FN WEDNESDAY	02-06-2021 AN WEDNESDAY
ELECTRONICS AND COMMUNICATION ENGINEERING (04+ECE)	Antennas and Propagation	Digital Signal Processing	E2	E2	VLSI Design	(OE1)
			Object Oriented Programming through Java	Embedded System Design		Disaster Preparedness & Planning Management
				Mobile Communications and Networks		Entrepreneurship
						Fundamentals of Management for Engineers
						Cyber Law & Ethics
						Basics of Sensors Technology
						Reliability Engineering
						Renewable Energy Sources
						Quantitative Analysis for Business Decisions
						Industrial Management
						Non-Conventional Energy Sources
				General Geology	Principal Megha Inst. of Engg. & Tech for Women Eduilabad, Ghatkesar (Medi), Medchal Dist-501 304	
				Testing of Materials	Alloy Steels	
					Introduction to Mining Technology	



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EXAMINATION BRANCH

III YEAR B.TECH - II SEMESTER - R18 REGULATION I - MID TERM EXAMINATIONS MAY/JUNE-2021

TIME TABLE

Coal Gasification, CBM & Shale Gas

Date: 27-05-2021

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	31-05-2021 FN MONDAY	31-05-2021 AN MONDAY	01-06-2021 FN TUESDAY	01-06-2021 AN TUESDAY	02-06-2021 FN WEDNESDAY	02-06-2021 AN WEDNESDAY
COMPUTER SCIENCE AND ENGINEERING (05-CSE)	Machine Learning	Compiler Design	Design and Analysis of Algorithms	E3	-	(OE1)
				Concurrent Programming		Disaster Preparedness & Planning Management
						Basics of Sensors Technology
						Fundamentals of Internet of Things
						Reliability Engineering
						Renewable Energy
						Quantitative Analysis for Business Decisions



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EXAMINATION BRANCH

III YEAR B.TECH - II SEMESTER - R18 REGULATION II - MID TERM EXAMINATIONS JULY-2021-OFFLINE
TIME TABLE

BRANCH	19-07-2021 FN MONDAY Time:9.30 AM to 10.50 AM	19-07-2021 AN MONDAY Time 1.10 PM to 2.30 PM	20-07-2021 FN TUESDAY Time:9.30 AM to 10.50 AM	20-07-2021 AN TUESDAY Time 1.10 PM to 2.30 PM E2	22-07-2021 FN THURSDAY Time:9.30 AM to 10.50 AM	22-07-2021 AN THURSDAY Time 1.10 PM to 2.30 PM (OE1)
CIVIL ENGINEER RING (01-CE)	Hydrology & Water Resources Engineering	Environmental Engineering	Foundation Engineering	Prestressed Concrete Elements of Earth Quake Engineering Advanced Structural Analysis	Structural Engineering II(Steel)	Entrepreneurship Fundamentals of Management for Engineers Cyber Law & Ethics Basics of Sensors Technology Fundamentals of Internet of Things Reliability Engineering Renewable Energy Sources Quantitative Analysis for Business Decisions Industrial Management Non-Conventional Energy Sources General Geology Testing of Materials Alloy Steels Introduction to Mining Technology Coal Gasification, CBM & Shale Gas

Date:15-07-2021

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KUKATPALLY - HYDERABAD - 5000 85
EXAMINATION BRANCH

III YEAR B.TECH - II SEMESTER- R18 REGULATION II - MID TERM EXAMINATIONS JULY-2021-OFFLINE
TIME TABLE

BRANCH	19-07-2021 FN MONDAY Time:9.30 AM to 10.50 AM	19-07-2021 AN MONDAY Time 1.10 PM to 2.30 PM	20-07-2021 FN TUESDAY Time:9.30 AM to 10.50 AM	20-07-2021 AN TUESDAY Time 1.10 PM to 2.30 PM E2	22-07-2021 FN THURSDAY Time:9.30 AM to 10.50 AM	22-07-2021 AN THURSDAY Time 1.10 PM to 2.30 PM (OE1)
ELECTRICAL AND ELECTRONIC ENGINEERING (02-EEE)	Signals and Systems	Microprocessors & Microcontrollers	Power System Protection	Optimization Techniques	Power System Operation and Control	Disaster Preparedness & Planning Management Entrepreneurship Fundamentals of Management for Engineers Cyber Law & Ethics Basics of Sensors Technology Fundamentals of Internet of Things Quantitative Analysis for Business Decisions Industrial Management Non-Conventional Energy Sources General Geology Testing of Materials Alloy Steels Introduction to Mining Technology Coal Gasification, CBM & Shale Gas
				Wind and Solar Energy systems Power Semiconductor Drives		

Date: 15-07-2021

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EXAMINATION BRANCH

III YEAR B.TECH – II SEMESTER – R18 REGULATION II - MID TERM EXAMINATIONS JULY-2021-OFFLINE

TIME TABLE

BRANCH	19-07-2021 FN MONDAY Time:9.30 AM to 10.50 AM	19-07-2021 AN MONDAY Time 1.10 PM to 2.30 PM	20-07-2021 FN TUESDAY Time:9.30 AM to 10.50 AM	20-07-2021 AN TUESDAY Time 1.10 PM to 2.30 PM E2	22-07-2021 FN THURSDAY Time:9.30 AM to 10.50 AM	22-07-2021 AN THURSDAY Time 1.10 PM to 2.30 PM (OE1)
ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)	Antennas and Propagation	Digital Signal Processing	E2	Embedded System Design	VLSI Design	Disaster Preparedness & Planning Management Entrepreneurship Fundamentals of Management for Engineers Cyber Law & Ethics Basics of Sensors Technology Reliability Engineering Renewable Energy Sources Quantitative Analysis for Business Decisions Industrial Management Non-Conventional Energy Sources General Geology Testing of Materials Alloy Steels Introduction to Mining Technology Coal Gasification, CBM & Shale Gas
			Object Oriented Programming through Java	Mobile Communications and Networks		

Date: 15-07-2021

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EXAMINATION BRANCH

III YEAR B.TECH – II SEMESTER– R18 REGULATION II - MID TERM EXAMINATIONS JULY-2021-OFFLINE

TIME TABLE

BRANCH	19-07-2021 FN MONDAY Time:9.30 AM to 10.50 AM	19-07-2021 AN MONDAY Time 1.10 PM to 2.30 PM	20-07-2021 FN TUESDAY Time:9.30 AM to 10.50 AM	20-07-2021 AN TUESDAY Time 1.10 PM to 2.30 PM	22-07-2021 FN THURSDAY Time:9.30 AM to 10.50 AM	22-07-2021 AN THURSDAY Time 1.10 PM to 2.30 PM
COMPUTER SCIENCE AND ENGINEERING (05-CSE)	Machine Learning	Compiler Design	Design and Analysis of Algorithms	E.3	Concurrent Programming	(OE1) Disaster Preparedness & Planning Management Basics of Sensors Technology Fundamentals of Internet of Things Reliability Engineering Renewable Energy Sources Quantitative Analysis for Business Decisions Industrial Management Non-Conventional Energy Sources General Geology Testing of Materials Alloy Steels Introduction to Mining Technology Coal Gasification, CBM & Shale Gas

Date: 15-07-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER – R16 REGULATION I - MID TERM EXAMINATIONS DECEMBER-2020

PROVISIONAL TIME TABLE

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	23-12-2020 FN WEDNESDAY	23-12-2020 AN WEDNESDAY	28-12-2020 FN MONDAY E2	28-12-2020 AN MONDAY E3	30-12-2020 FN WEDNESDAY E4
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	POWER SEMICONDUCTOR DRIVES	POWER SYSTEM OPERATION AND CONTROL	HVDC TRANSMISSION	POWER QUALITY	FLEXIBLE A.C. TRANSMISSION SYSTEMS

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EXAMINATION BRANCH

IV YEAR B.TECH - I SEMESTER- R16 REGULATION I - MID TERM EXAMINATIONS DECEMBER-2020

PROVISIONAL TIME TABLE

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	23-12-2020 FN WEDNESDAY	23-12-2020 AN WEDNESDAY	28-12-2020 FN MONDAY	28-12-2020 AN MONDAY	30-12-2020 FN WEDNESDAY
ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)		MICROWAVE ENGINEERING	E2	E3	E4
				EMBEDDED SYSTEM DESIGN	
			COMPUTER NETWORKS		ELECTRONIC MEASUREMENTS AND INSTRUMENTATION
		VLSI DESIGN			


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER – R16 REGULATION I - MID TERM EXAMINATIONS DECEMBER-2020
PROVISIONAL TIME TABLE

BRANCH	23-12-2020 FN WEDNESDAY	23-12-2020 AN WEDNESDAY	28-12-2020 FN MONDAY E2	28-12-2020 AN MONDAY E3	30-12-2020 FN WEDNESDAY E4
COMPUTER SCIENCE AND ENGINEERING (05-CSE)	DATA MINING	PRINCIPLES OF PROGRAMMING LANGUAGES	PYTHON PROGRAMMING	SOFTWARE PROCESS AND PROJECT MANAGEMENT	BLOCKCHAIN TECHNOLOGY

Sd/-

CONTROLLER OF EXAMINATIONS

Date: 18-12-2020

Note: ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
 (i) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL

(ii) 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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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R16 REGULATION II - MID TERM EXAMINATIONS FEBRUARY-2021

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	25-02-2021 FN THURSDAY	25-02-2021 AN THURSDAY	26-02-2021 FN FRIDAY E2	26-02-2021 AN FRIDAY E3	27-02-2021 FN SATURDAY E4
CIVIL ENGINEERING (01-CE)	TRANSPORTATION ENGINEERING	ESTIMATION QUANTITY SURVEYING AND VALUATION	CONSTRUCTION TECHNOLOGY AND MANAGEMENT	GROUND IMPROVEMENT TECHNIQUES	IRRIGATION AND HYDRAULIC STRUCTURES
	FOUNDATION ENGINEERING	RAILWAY AND AIRPORT ENGINEERING	REHABILITATION AND RETROFITTING OF STRUCTURES	WATERSHED MANAGEMENT	SOIL DYNAMICS AND MACHINE FOUNDATION
	STOCHASTIC HYDROLOGY	PRESTRESSED CONCRETE			
	TRAFFIC ENGINEERING				

Date: 15-02-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER – R16 REGULATION II - MID TERM EXAMINATIONS FEBRUARY-2021

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	25-02-2021 FN THURSDAY	25-02-2021 AN THURSDAY	26-02-2021 FN FRIDAY E2	26-02-2021 AN FRIDAY E3	27-02-2021 FN SATURDAY E4
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)		POWER SYSTEM OPERATION AND CONTROL	RELIABILITY ENGINEERING	OPTIMIZATION TECHNIQUES	PROGRAMMABLE LOGIC CONTROLLERS
			DIGITAL SIGNAL PROCESSING	DIGITAL CONTROL SYSTEMS	FLEXIBLE A.C. TRANSMISSION SYSTEMS
			HVDC TRANSMISSION	MODERN POWER ELECTRONICS	SPECIAL MACHINES
			SWITCH MODE POWER SUPPLIES	POWER QUALITY	EHV AC TRANSMISSION SYSTEMS
			POWER SEMICONDUCTOR DRIVES		

Date: 15-02-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R16 REGULATION II - MID TERM EXAMINATIONS FEBRUARY-2021

TIME → FN: 11.30 AM TO 12.50 PM
 AN: 3.30 PM TO 4.50 PM

BRANCH	25-02-2021 FN THURSDAY	25-02-2021 AN THURSDAY	26-02-2021 FN FRIDAY	26-02-2021 AN FRIDAY	27-02-2021 FN SATURDAY
ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)	MICROWAVE ENGINEERING	VLSI DESIGN	E2	E3	E4
			CODING THEORY AND TECHNIQUES	EMBEDDED SYSTEM DESIGN	OPTIMIZATION TECHNIQUES
			COMPUTER NETWORKS	INTERNET OF THINGS	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION
			FPGA PROGRAMMING	RADAR SYSTEMS	OBJECT ORIENTED PROGRAMMING
			SOFT COMPUTING TECHNIQUES	WIRELESS COMMUNICATIONS AND NETWORKS	ARTIFICIAL INTELLIGENCE

Date: 15-02-2021

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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R16 REGULATION II - MID TERM EXAMINATIONS FEBRUARY-2021

TIME → FN: 11.30 AM TO 12.50 PM
AN: 3.30 PM TO 4.50 PM

BRANCH	25-02-2021 FN THURSDAY	25-02-2021 AN THURSDAY	26-02-2021 FN FRIDAY E2	26-02-2021 AN FRIDAY E3	27-02-2021 FN SATURDAY E4		
COMPUTER SCIENCE AND ENGINEERING (05-CSE)	DATA MINING	PRINCIPLES OF PROGRAMMING LANGUAGES	INTERNET OF THINGS	SOFTWARE PROCESS AND PROJECT MANAGEMENT	CLOUD COMPUTING		
			PYTHON PROGRAMMING	DISTRIBUTED SYSTEMS	BLOCKCHAIN TECHNOLOGY		
			WEB SCRIPTING LANGUAGES	GRAPH THEORY	SOCIAL NETWORK ANALYSIS		
			MOBILE APPLICATION DEVELOPMENT	MACHINE LEARNING	COMPUTATIONAL COMPLEXITY		

Date: 15-02-2021


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EXAMINATION BRANCH**

**IV YEAR B.TECH – II SEMESTER – R16 REGULATION II - MID TERM EXAMINATIONS JUNE-2021
TIMETABLE**

TIME → FN: 10.00 AM TO 11.30 AM
AN: 02.00 PM TO 03.30 PM

BRANCH	03-06-2021 FN THURSDAY	03-06-2021 AN THURSDAY	04-06-2021 FN FRIDAY (OE3)	04-06-2021 AN FRIDAY	05-06-2021 FN SATURDAY
CIVIL ENGINEERING (01-CE)	E5 Waste Management. Pavement Design	E6 Industrial Waste Water Treatment	Air Transportation Systems Basics of Thermodynamics Characterization of Nanomaterials Concepts of Nano Science And Technology	E5 Elements of Earthquake Engineering. Common to (CE,CEE)	E6 Geoenvironmental Engineering Common to (CE,CEE)
	Water Resources Systems Analysis.	Design and Drawing of Irrigation Structures.	Data Analytics Design and Selection of Engineering Materials Disaster Management Electromagnetic Interference and Compatibility Electronic Measuring Instruments Entrepreneur Resource Planning Fundamentals of Liquefied Natural Gas Health & Safety in Mines Health, Safety and Environment in Petroleum Industry Industrial Safety, Health, and Environmental Engineering Introduction to Mechatronics Linux Programming Management Information Systems Microprocessors and Microcontrollers Organizational Behaviour PC Based Instrumentation PHP Programming Production Planning and Control R Programming Reliability Engineering Remote Sensing and GIS Renewable Energy Sources Rockets and Missiles Sensors and Transducers, Solid Fuel Technology Synthesis of Nanomaterials Telemetry and Telecontrol Total Quality Management	Finite Element Methods for Common to (CE,CEE)	

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Date: 27-05-2021

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EXAMINATION BRANCH**

IV YEAR B.TECH – II SEMESTER – R16 REGULATION II - MID TERM EXAMINATIONS JUNE-2021

T I M E T A B L E

TIME → FN: 10.00 AM TO 11.30 AM
AN: 02.00 PM TO 03.30 PM

BRANCH	03-06-2021 FN THURSDAY	03-06-2021 AN THURSDAY	04-06-2021 FN FRIDAY	04-06-2021 AN FRIDAY	05-06-2021 FN SATURDAY
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	E5	E6	(OE3)	-	E6
	Artificial Neural Networks and Fuzzy Systems	Smart Electric Grid	Air Transportation Systems Basics of Thermodynamics		VLSI Design Common to EEE, E.Comp.E
	Electrical Distribution Systems	Utilization of Electric Power	Characterization of Nanomaterials		
	Wind, Solar and Hybrid Energy Systems	Electric and Hybrid Vehicles	Concepts of Nano Science And Technology		
	High Voltage Engineering		Data Analytics		
			Design and Selection of Engineering Materials		
			Disaster Management		
			Electromagnetic Interference and Compatibility		
			Electronic Measuring Instruments		
			Entrepreneurship and Small Business Enterprises		
			Environmental Impact Assessment		
			Fundamentals of Liquefied Natural Gas		
			Health & Safety in Mines		
			Health, Safety and Environment in Petroleum Industry		
			Industrial Safety, Health, and Environmental Engineering		
		Introduction to Mechatronics			
		Linux Programming			
		Microprocessors and Microcontrollers			
		Optimization Techniques in Engineering			
		PC Based Instrumentation			
		PHP Programming			
		Production Planning and Control			
		R Programming			
		Reliability Engineering			
		Remote Sensing and GIS			
		Renewable Energy Sources			
		Rockets and Missiles			
		Sensors and Transducers,			
		Solid Fuel Technology			
		Synthesis of Nanomaterials			
		Telemetry and Telecontrol			
		Total Quality Management			

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EXAMINATION BRANCH**

IV YEAR B.TECH – II SEMESTER – R16 REGULATION II – MID TERM EXAMINATIONS JUNE-2021

T I M E T A B L E

TIME → FN: 10.00 AM TO 11.30 AM
AN: 02.00 PM TO 03.30 PM

BRANCH	03-06-2021 FN THURSDAY	03-06-2021 AN THURSDAY	04-06-2021 FN FRIDAY	04-06-2021 AN FRIDAY	05-06-2021 FN SATURDAY
ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)	E5 Network Security and Cryptography System Design Using FPGAs	E6 Actuators and Robot Systems Analog CMOS IC Design	(OE3) Air Transportation Systems Organizational Behaviour Basics of Thermodynamics Management Information Systems		E5
	Optical Communications (Common TO ECE,ETM)	Global Positioning System Computer Vision	Characterization of Nanomaterials Entrepreneur Resource Planning Concepts of Nano Science And Technology Data Analytics Design and Selection of Engineering Materials Disaster Management Electromagnetic Interference and Compatibility Entrepreneurship and Small Business Enterprises Environmental Impact Assessment Fundamentals of Liquefied Natural Gas Health & Safety in Mines Health, Safety and Environment in Petroleum Industry Industrial Safety, Health, and Environmental Engineering Introduction to Mechatronics Linux Programming Microprocessors and Microcontrollers Optimization Techniques in Engineering PC Based Instrumentation PHP Programming Production Planning and Control R Programming Reliability Engineering Remote Sensing and GIS Renewable Energy Sources Rockets and Missiles Sensors and Transducers, Solid Fuel Technology Synthesis of Nanomaterials Telemetry and Telecontrol Total Quality Management	-	Machine Learning (Common ECE, EIE, BME)


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EXAMINATION BRANCH**

IV YEAR B.TECH - II SEMESTER - R16 REGULATION II - MID TERM EXAMINATIONS JUNE-2021

TIME TABLE

TIME → FN: 10.00 AM TO 11.30 AM
AN: 02.00 PM TO 03.30 PM

BRANCH	03-06-2021 FN THURSDAY	03-06-2021 AN THURSDAY	04-06-2021 FN FRIDAY (OE3)	04-06-2021 AN FRIDAY	05-06-2021 FN SATUR DAY
COMPUTER SCIENCE AND ENGINEERIN G (05-CSE)	E5 Information Theory & Coding Real-Time Systems (Common to CSE, IT) Data Analytics (Common to CSE, IT) Modern Software Engineering (Common To CSE, IT)	E6 Advanced Algorithms Web Services and Service Oriented Architecture Computer Forensics Neural Networks and Deep Learning (Common to CSE, IT)	Air Transportation Systems Basics of Thermodynamics Characterization of Nanomaterials Concepts of Nano Science And Technology Data Analytics Design and Selection of Engineering Materials Disaster Management Electromagnetic Interference and Compatibility Electronic Measuring Instruments Entrepreneur Resource Planning Entrepreneurship and Small Business Enterprises Environmental Impact Assessment Fundamentals of Liquefied Natural Gas Health & Safety in Mines Health, Safety and Environment in Petroleum Industry Industrial Safety, Health, and Environmental Engineering Introduction to Mechatronics Management Information Systems Microprocessors and Microcontrollers Optimization Techniques in Engineering Organizational Behaviour PC Based Instrumentation Production Planning and Control Reliability Engineering Renewable Energy Sources Rockets and Missiles Sensors and Transducers, Solid Fuel Technology Synthesis of Nanomaterials Telemetry and Telecontrol Total Quality Management Remote Sensing and GIS	-	-


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MEGHA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

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SY. NO. 7, EDULABAD (V), GHATKESAR (M), MEDCHAL (D), TELANGANA - 501301

DEPARTMENT OF CIVIL ENGINEERING

B. TECH IV– Year I Sem – I Mid Examinations-DEC 2020

Subject : TE

Time: 1:00hr


Date : 23-12-2020

Marks: 2x5=10M

Answer any **TWO** Questions:

Q.No	Questions	Bloom Taxonomy Level	Course Outcomes
1	Write classification of roads as per IRC.	L1	CO1
2	Derive an expression for calculating the stopping sight distance on highway.	L4	CO1
3	What are the types of extra widening of the pavements? And derive an expression for types of extra widening of the pavements.	L2	CO2
4	Write the second twenty year road development.	L1	CO3

L1-Remember; L2-Understand; L3-Apply; L4-Analyze; L5-Evaluate; L6-Create


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SY. NO. 7, EDULABAD (V), GHATKESAR (M), MEDCHAL (D), TELANGANA - 501301

DEPARTMENT OF CIVIL ENGINEERING

B. TECH IV- Year I Sem – II Mid Examinations-FEB 2021

Subject : TE

Time: 1:00hr


Date : 25-02-2021

Marks: 2x5=10M

Answer any TWO Questions:

Q.No	Questions	Bloom Taxonomy Level	Course Outcomes
1	Write the guidelines for flexible pavement design as per IRC.	L1	CO5
2	Soil sub grade sample was obtained from the project site and the CBR tests were conducted at field density. The following were the results : Penetration mm = 2.5mm and load 48.5 kgs Materials for different pavement layers i) compacted sandy soil with 7% CBR ii) poorly graded gravel with 20% CBR iii) Well graded gravel with 95% CBR. Design the pavement section by CBR method as recommended by IRC , using all the four pavement materials	L5	CO6
3	What are the factor consider for rotary intersection.	L1	CO4
4	Derive Webster 's method .The average normal flow of traffic on cross roads A and B during design period are 400 and 200 pcu per hour; saturation flow values on these roads are estimated at 1250 and 1000 pcu per hour respectively .The all red time required for pedestrian crossing is 12 sec . Design two phase traffic signal by Webster's method.	L4	CO4

L1-Remember; L2-Understand; L3-Apply; L4-Analyze; L5-Evaluate; L6-Create


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Fill in the blanks

- 1) According to Webster method the optimum signal cycle is given by _____.
- 2) The width of pedestrian crossing may be between _____ and _____.
- 3) The two channelizing islands of the adjacent intersecting legs and this length of the rotary roadway is called _____.
- 4) The overlay thickness required is given by the relation is $h_o =$ _____.
- 5) Capacity of the rotary $Q_p =$ _____.
- 6) The minimum distance in the rotary intersection _____.
- 7) Contact pressure = _____.
- 8) The ratio of contact pressure to tyre pressure is defined as _____.
- 9) Critical combination of stress at edge during summer _____.
- 10) Formula for design traffic $A =$ _____.