



AVANTHI
INSTITUTE OF ENGINEERING & TECHNOLOGY
ECE, CSE & EEE UG Programmes are Accredited by NBA
Approved by AICTE, Recgd by Govt. of TS and Affiliated to JNTU (H)

2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode Response:

Institute follows the university guidelines for the internal assessment of the theory and laboratory exams. Our internal assessment is very apparent and transparent because of the care taken in the following features:

Well defined assessment schedule is designed for every semester which is a part of the academic calendar. Course curriculum and distribution of marks for every test is predefined and revealed to the students well in advance. Scheme of evaluation is published in the institute's website immediately after the completion of examinations.

Two mid-term exams are conducted as per the guidelines of the university and five unit wise assignment tests are conducted as per the Institute's academic calendar. After the assessment, answer scripts of mid-term examinations are distributed among the students and the solutions are discussed for their benefit and also to shed the apprehensions and to maintain transparency in the evaluation. The marks obtained by the students in internal assessments are displayed in the departments' notice boards.

Students' performance during their practical sessions is updated in the attendance registers. It is evaluated based on their timely submission of lab records, regularity and performance in the laboratory for 15 marks. Two internal lab exams are conducted in each semester and the average of two performances are considered for 10 marks. Spell-wise attendance of students and performance in unit tests, mid-term tests are displayed in the notice boards. It is communicated to the parents and discussed in the Parent- Teacher Meeting. Slow learners are given another chance to improve their performance in the unit tests by re-conducting the exam.

Project work is evaluated by conducting three reviews in a semester to know the progress of the work and the evaluation sheets are maintained. This enables the students to remain focused and turning to be confident besides the improvement of the presentation skills and communication skills


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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 2018-19 (R-18)

- 1.0 **Under-Graduate Degree Programme in Engineering & Technology (UGP in E&T)**
Jawaharlal Nehru Technological University Hyderabad (JNTUH) offers a 4-year (8 semesters) **Bachelor of Technology (B.Tech.)** degree programme, under Choice Based Credit System (CBCS) at its non-autonomous constituent and affiliated colleges with effect from the academic year 2018-19.
- 2.0 **Eligibility for admission**
 - 2.1 Admission to the under graduate (UG) programme shall be made either on the basis of the merit rank obtained by the qualified student in entrance test conducted by the Telangana State Government (EAMCET) or the University or on the basis of any other order of merit approved by the University, subject to reservations as prescribed by the government from time to time.
 - 2.2 The medium of instructions for the entire under graduate programme in Engineering & Technology will be **English** only.
- 3.0 **B.Tech. Programme structure**
 - 3.1 A student after securing admission shall complete the B.Tech. programme in a minimum period of **four** academic years (8 semesters), and a maximum period of **eight** academic years (16 semesters) starting from the date of commencement of first year first semester, failing which student shall forfeit seat in B.Tech course. Each student shall secure 160 credits (with CGPA ≥ 5) required for the completion of the under graduate programme and award of the B.Tech. degree.
 - 3.2 **UGC/ AICTE** specified definitions/ descriptions are adopted appropriately for various terms and abbreviations used in these academic regulations/ norms, which are listed below.
 - 3.2.1 **Semester scheme**
Each under graduate programme is of **4** academic years (8 semesters) with the academic year divided into two semesters of **22** weeks (≥ 90 instructional days) each, each semester having - 'Continuous Internal Evaluation (CIE)' and 'Semester End Examination (SEE)'

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

3.2.2 Credit courses

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

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

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

3.2.3 Subject Course Classification

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

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

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

4.0 Course registration

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

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

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

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

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

7.0 Academic requirements

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

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


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7.3 Promotion Rules

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

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

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

- 8.2.1** The semester end examinations (SEE) will be conducted for 75 marks consisting of two parts viz. i) **Part- A** for 25 marks, ii) **Part - B** for 50 marks.
- Part-A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit and carry 2 marks each. The next five sub-questions are one from each unit and carry 3 marks each.
 - Part-B consists of five questions (numbered from 2 to 6) carrying 10 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions.
- 8.2.2** For subjects like **Engineering Graphics/Engineering Drawing**, the SEE shall consist of five questions. For each question there will be an “either” “or” choice, which means that there will be two questions from each unit and the student should answer either of the two questions. There shall be no Part – A, and Part – B system.
- 8.2.3** For subjects like **Machine Drawing Practice/Machine Drawing**, the SEE shall be conducted for 75 marks consisting of two parts viz. (i) Part – A for 30 marks. 3 out of 4 questions must be answered, (ii) **Part – B** for 45 marks. Part – B is compulsory.
- 8.2.4** For the Subject **Estimation, Costing and Project Management**, the SEE paper should consist of Part- A, Part-B and Part C. (i) Part – A – 1 out of 2 questions from Unit – I for 30 Marks, (ii) Part – B – 1 out of 2 questions from Unit – II for 15 Marks, (iii) Part – C – 3 out of 5 questions from Units – III, IV, V for 30 Marks.
- 8.2.5** For subjects **Structural Engineering – I & II (RCC & STEEL)**, the SEE will be conducted for 75 marks consisting of 2 parts viz. (i) Part – A for 15 marks and, (i) Part – B for 60 marks. Part – A is a compulsory question consisting of ten sub-questions. The first five sub-questions are from each unit relating to design theory and codal provisions and carry 2 marks each. The next five sub-questions are from each unit and carry 1 mark each. Part – B consists of 5 questions (numbered 2 to 6) carrying 12 marks each. Each of these questions is from one unit and may contain sub-questions. For each question there is either or choice, which means that there will be two questions from each unit and the student should answer either of the two questions.

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

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

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

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

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

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

9.0 Grading procedure

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

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

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

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

- 9.7 A student passes the subject/ course only when $GP \geq 5$ ('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 I year II semester onwards at the end of each semester as per the formula

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

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

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

Illustration of calculation of SGPA:

Course/Subject	Credits	Letter Grade	Grade Points	Credit Points
Course 1	4	A	8	4 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.


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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”.


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Avanhi Institute of Engg. & Tech.
Ganhiwadi, N.Y. Zolapur (M.S.), R.R. Dist.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

(Established by State Act No. 30 of 2008)

Kukatpally, Hyderabad, Telangana (India).

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

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

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

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

5. **Promotion rule**

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

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

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

MALPRACTICES RULES

DISCIPLINARY ACTION FOR / IMPROPER CONDUCT IN EXAMINATIONS

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

	of the examination (theory or practical) in which the student is appearing.	appear for the remaining examinations of the subjects of that semester/year. The hall ticket of the student is to be cancelled and sent to the University.
3.	Impersonates any other student in connection with the examination.	The student who has impersonated shall be expelled from examination hall. The student is also debarred and forfeits the seat. The performance of the original student who has been impersonated, shall be cancelled in all the subjects of the examination (including practicals and project work) already appeared and shall not be allowed to appear for examinations of the remaining subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat. If the imposter is an outsider, he will be handed over to the police and a case is registered against him.
4.	Smuggles in the answer book or additional sheet or takes out or arranges to send out the question paper during the examination or answer book or additional sheet, during or after the examination.	Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.
5.	Uses objectionable, abusive or offensive language in the answer paper or in letters to the examiners or writes to the examiner requesting him to award pass marks.	Cancellation of the performance in that subject.
6.	Refuses to obey the orders of the chief superintendent/assistant superintendent / any officer on duty or	In case of students of the college, they shall be expelled from examination halls and cancellation of their performance in that subject

	<p>misbehaves or creates disturbance of any kind in and around the examination hall or organizes a walk out or instigates others to walk out, or threatens the officer-in charge or any person on duty in or outside the examination hall of any injury to his person or to any of his relations whether by words, either spoken or written or by signs or by visible representation, assaults the officer-in-charge, or any person on duty in or outside the examination hall or any of his relations, or indulges in any other act of misconduct or mischief which result in damage to or destruction of property in the examination hall or any part of the college campus or engages in any other act which in the opinion of the officer on duty amounts to use of unfair means or misconduct or has the tendency to disrupt the orderly conduct of the examination.</p>	<p>and all other subjects the student(s) has (have) already appeared and shall not be permitted to appear for the remaining examinations of the subjects of that semester/year. The students also are debarred and forfeit their seats. In case of outsiders, they will be handed over to the police and a police case is registered against them.</p>
7.	<p>Leaves the exam hall taking away answer script or intentionally tears off the script or any part thereof inside or outside the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of performance in that subject and all the other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred for two consecutive semesters from class work and all University examinations. The continuation of the course by the student is subject to the academic regulations in connection with forfeiture of seat.</p>
8.	<p>Possesses any lethal weapon or firearm in the examination hall.</p>	<p>Expulsion from the examination hall and cancellation of the performance in that subject and all other subjects the student has already appeared including practical examinations and project work and shall not be permitted for the remaining examinations of the subjects of that semester/year. The student is also debarred and forfeits the seat.</p>

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

Malpractices identified by squad or special Invigilators

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

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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Tentative 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	01.09.2020	09.10.2020 (6 Weeks)
3	Regular End Semester Examinations of previous Semester (including lab exams)	12.10.2020	16.11.2020
4	Continuation of 1 st Spell of Instructions	17.11.2020	28.11.2020 (2 Weeks)
5	First Mid Term Examinations	01.12.2020	05.12.2020 (1 Week)
6	Submission of First Mid Term Exam Marks to the University on or before		11.12.2020
7	Parent-Teacher Meeting		19.12.2020
8	2 nd Spell of Instructions	07.12.2020	30.01.2021 (8 Weeks)
9	Second Mid Term Examinations	01.02.2021	06.02.2021 (1 Week)
10	Practical Classes	08.02.2021	13.02.2021 (1 Week)
11	Preparation Holidays and Practical Examinations	15.02.2021	20.02.2021 (1 Week)
12	Submission of Second Mid Term Exam Marks to the University on or before		20.02.2021
13	End Semester Examinations	22.02.2021	06.03.2021 (2 Weeks)

MBA/MCA II Year II Semester

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork		08.03.2021
2	1 st Spell of Instructions	08.03.2021	01.05.2021 (8 Weeks)
3	First Mid Term Examinations	03.05.2021	08.05.2021 (1 Week)
4	Summer Vacation	10.05.2021	22.05.2021 (2 Weeks)
5	Submission of First Mid Term Exam Marks to the University on or before		17.05.2021
6	Parent-Teacher Meeting		29.05.2021
7	2 nd Spell of Instructions	24.05.2021	17.07.2021 (8 Weeks)
8	Second Mid Term Examinations	19.07.2021	24.07.2021 (1 Week)
9	Preparation Holidays and Practical Examinations	26.07.2021	31.07.2021 (1 Week)
10	Submission of Second Mid Term Exam Marks to the University on or before		31.07.2021
11	End Semester Examinations	02.08.2021	14.08.2021 (2 Weeks)

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

Sd/-xxx
REGISTRAR


 PRINCIPAL
 Avanihi Institute of Engg. & Tech.
 Gunthachipuri, P.O. Madhapuram (M2), R.R. Dist.

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


PRINCIPAL
Avanhi Institute of Engg. & Tech.
Gandhinagar, Hyderabad (T.S.), R.R. Dist.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
ACADEMIC CALENDAR 2020-21

For All Constituent & Affiliated Colleges of JNTUH
 B. Tech./B.Pharm. II, III & IV Years I & II Semesters

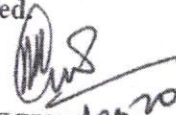
I SEM

S. No	Description	Duration	
		From	To
1.	Commencement of 1 st Semester classwork		24.08.2020
2.	1 st Spell of Instructions		
3.	Dussehra Recess	24.08.2020	17.10.2020 (8 Weeks)
4.	First Mid Term Examinations	19.10.2020	24.10.2020 (1 Week)
5.	Submission of First Mid Term Exam Marks to the University on or before	26.10.2020	31.10.2020 (1 Week)
6.	Parent-Teacher Meeting		07.11.2020
7.	2 nd Spell of Instructions		13.11.2020
8.	Second Mid Term Examinations	02.11.2020	26.12.2020 (8 Weeks)
9.	Preparation Holidays and Practical Examinations	28.12.2020	02.01.2021 (1 Week)
10.	Submission of Second Mid Term Exam Marks to the University on or before	04.01.2021	09.01.2021 (1 Week)
11.	End Semester Examinations		09.01.2021
		11.01.2021	23.01.2021 (2 Weeks)

II SEM

S. No	Description	Duration	
		From	To
1.	Commencement of 2 nd Semester classwork		25.01.2021
2.	1 st Spell of Instructions		
3.	First Mid Term Examinations	25.01.2021	20.03.2021 (8 Weeks)
4.	Submission of First Mid Term Exam Marks to the University on or before	22.03.2021	27.03.2021 (1 Week)
5.	Parent-Teacher Meeting		06.04.2021
6.	2 nd Spell of Instructions		09.04.2021
7.	Second Mid Term Examinations	29.03.2021	22.05.2021 (8 Weeks)
8.	Preparation Holidays and Practical Examinations	24.05.2021	29.05.2021 (1 Week)
9.	Submission of Second Mid Term Exam Marks to the University on or before	31.05.2021	05.06.2021 (1 Week)
10.	End Semester Examinations		05.06.2021
11.	Summer Vacation	07.06.2021	19.06.2021 (2 Weeks)
		21.06.2021	10.07.2021 (3 Weeks)

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


 REGISTERED
 26/01/20


 PRINCIPAL
 Avanthi Institute of Engg. & Tech.
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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		
3	First Mid Term Examinations	01.12.2020	23.01.2021 (8 Weeks)
4	Submission of First Mid Term Exam Marks to the University on or before	25.01.2021	30.01.2021 (1 Week)
5	Parent-Teacher Meeting		06.02.2021
6	2 nd Spell of Instructions		12.02.2021
7	Second Mid Term Examinations (including public holidays)	01.02.2021	27.03.2021 (8 Weeks)
8	Preparation Holidays and Practical Examinations	29.03.2021	06.04.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	07.04.2021	12.04.2021 (1 Week)
10	End Semester Examinations		12.04.2021
		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		
3	First Mid Term Examinations	30.04.2021	24.06.2021 (8 Weeks)
4	Submission of First Mid Term Exam Marks to the University on or before	25.06.2021	30.06.2021 (1 Week)
5	Parent-Teacher Meeting		05.07.2021
6	2 nd Spell of Instructions		09.07.2021
7	Second Mid Term Examinations	01.07.2021	25.08.2021 (8 Weeks)
8	Preparation Holidays and Practical Examinations	26.08.2021	01.09.2021 (1 Week)
9	Submission of Second Mid Term Exam Marks to the University on or before	02.09.2021	08.09.2021 (1 Week)
10	End Semester Examinations		08.09.2021
		09.09.2021	22.09.2021 (2 Weeks)

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


 REGISTRAR


 PRINCIPAL
 Avanti Institute of Engg. & Tech.
 Guntur (M. Adilapuri (M.B.), R.R. Dist.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Academic Calendar 2020-21

Pharm. D (Regular) and Pharm.D (PB) I Year

Pharm. D (Regular) and Pharm.D (PB) I Year

S. No	Description	Duration	
		From	To
1	Commencement of classwork / Induction Programme	16.12.2020	
2	1 st Spell of Instructions (including Dussehra Recess, previous year End Examinations)	16.12.2020	06.03.2021 (12 Weeks)
3	First Mid Term Examinations	08.03.2021	13.03.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	20.03.2021	
5	2 nd Spell of Instructions	15.03.2021	05.06.2021 (12 Weeks)
6	Second Mid Term Examinations	07.06.2021	12.06.2021 (1 Week)
7	Submission of Second Mid Term Exam Marks to the University on or before	19.06.2021	
8	3 rd Spell of Instructions (including Summer vacation)	14.06.2021	04.09.2021 (12 Weeks)
9	Third Mid Term Examinations	06.09.2021	11.09.2021 (1 Week)
10	Preparation Holidays and Practical Examinations	13.09.2021	25.09.2021 (2 Weeks)
11	Submission of Third Mid Term Exam Marks to the University on or before	25.09.2021	
12	End / Supplementary Examinations	27.09.2021	09.10.2021 (2 Weeks)

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

Sd/- xxxx
Director, Academic & Planning


PRINCIPAL
Avanithi Institute of Engg. & Tech.
Gandhinagar, N.P. Abulgaoumal (N.P.), R.R. Dist.

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
Academic Calendar (2020-21)

For All Constituent & Affiliated Colleges of JNTUH
M.Tech. / M.Pharm. I Year - I & II Semesters

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

S. No	Description	Duration	
		From	To
1	Commencement of I Semester classwork / Induction Programme	16.12.2020	
2	1 st Spell of Instructions	16.12.2020	06.02.2021 (8 Weeks)
3	First Mid Term Examinations	08.02.2021	13.02.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	20.02.2021	
5	2 nd Spell of Instructions	15.02.2021	10.04.2021 (8 Weeks)
6	Second Mid Term Examinations	12.04.2021	17.04.2021 (1 Week)
7	Practical classes	19.04.2021	24.04.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	24.04.2021	
9	Preparation Holidays and Practical Examinations	26.04.2021	01.05.2021 (1 Week)
10	End Semester Examinations	03.05.2021	15.05.2021 (2 Weeks)

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

S. No	Description	Duration	
		From	To
1	Commencement of II Semester classwork	17.05.2021	
2	1 st Spell of Instructions	17.05.2021	10.07.2021 (8 Weeks)
3	First Mid Term Examinations	12.07.2021	17.07.2021 (1 Week)
4	Submission of First Mid Term Exam Marks to the University on or before	24.07.2021	
5	2 nd Spell of Instructions	19.07.2021	11.09.2021 (8 Weeks)
6	Second Mid Term Examinations	13.09.2021	18.09.2021 (1 Week)
7	Preparation Holidays and Practical Examinations	20.09.2021	25.09.2021 (1 Week)
8	Submission of Second Mid Term Exam Marks to the University on or before	25.09.2021	
9	End Semester Examinations	27.09.2021	09.10.2021 (2 Weeks)

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

Sd/- xxxx
 Director, Academic & Planning


 PRINCIPAL
 Avanthi Institute of Engg. & Tech.
 Gandhinagar, Hyderabad (Dist. R.R. Dist.)

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

EXAMINATION BRANCH

II YEAR B.TECH I SEMESTER R18 REGULATION I-MID TERM EXAMINATIONS DEC-2021(IN OFFLINE MODE)

T I M E T A B L E

TIME → FN: 9.40 AM TO 11.00 AM (DESCRIPTIVE EXAM: 9.40 AM TO 10.40 AM, OBJECTIVE EXAM: 10.40 AM TO 11.00 AM)
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CIVIL ENGINEERING (01-C E)	Surveying and Geomatics	Engineering Geology	Strength of Materials - I	Probability and Statistics	Fluid Mechanics	--
ELECTRICAL AND ELECTRONICS ENGINEERING (02- EEE)	Engineering Mechanics	Electrical Circuit Analysis	Analog Electronics	Electrical Machines - I	Electromagnetic Fields	--
MECHANICAL ENGINEERING (03- ME)	Probability and Statistics & Complex	Mechanics of Solids	Material Science and Metallurgy	Production Technology	Thermodynamics	---

DATE: 03-12-2021


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

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ELECTRONICS & COMMUNICATIONS ENGINEERING (04- ECE)	Probability Theory and Stochastic Processes	Network Analysis and Transmission Lines	Digital System Design	Signals and Systems	Electronic Devices and Circuits	--
COMPUTER SCIENCE & ENGINEERING (05- CSE)	Analog and Digital Electronics	Data Structures	Computer Oriented Statistical Methods	Object Oriented Programming using C++	Computer Organization and Architecture	--
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10EIE)	Electronic Measurements	Network Theory	Transducers Engineering	Signals and Systems	Electronic Devices and Circuits	--

DATE: 03-12-2021


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CONTINUED ON PAGE -3

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD – 500085

EXAMINATION BRANCH

II YEAR B.TECH I SEMESTER R18 REGULATION I -MID TERM EXAMINATIONS DEC-2021(IN OFFLINE MODE)

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	13-12-2021 FN MONDAY	13-12-2021 AN MONDAY	14-12-2021 FN TUESDAY	14-12-2021 AN TUESDAY	15-12-2021 FN WEDNESDAY	15-12-2021 AN WEDNESDAY
INFORMATION TECHNOLOGY (12-IT)	Analog and Digital Electronics	Data Structures	Computer Oriented Statistical Methods	Object Oriented Programming using C++	Computer Organization and Microprocessor	--
MECHANICAL ENGINEERING (MECHATRONICS) (14-MECT)	Probability and Statistics & Complex Variables	Mechanics of Solids	Material Science and Metallurgy	Thermal Science	Electronic Devices and Circuits	--
METALLURGY AND MATERIAL ENGINEERING (18-MMT)	Probability and Statistics & Complex Variables	Mineral Processing	Introduction to Transport Phenomenon	Physical Metallurgy	Materials Thermodynamics	--
ELECTRONICS AND COMPUTER ENGINEERING ECM-(19)	Analog and Digital Electronics	Data Structures	Signals, Systems and Signal Processing	Object Oriented Programming using C++	-	Business Economics & Financial Analysis

DATE: 03-12-2021


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CONTINUED ON PAGE – 4

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
 KUKATPALLY - HYDERABAD - 500085
II YEAR B.TECH I SEMESTER R18 REGULATION I - MID TERM EXAMINATIONS DEC-2021 (IN OFFLINE MODE)
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AERONUTICAL ENGINEERING (21-AE)	Probability and Statistics & Complex Variables	Basic Electrical and Electronics Engineering	Theory of Structures	Fluid Mechanics and Hydraulics	Aerodynamics - I	-
MINING ENGG. (25-MIE)	Probability and Statistics & Complex Variables	Mechanics of Solids	Fluid Mechanics and Hydraulic Machines	Mine Surveying	Development of Mineral Deposits	-
PETROLIUM ENGG. (27-PTME)	Probability and Statistics & Complex Variables	Chemical Process Calculations	General Geology	surveying and off shore structures	--	Business Economics & Financial Analysis
COMPUTER SCIENCE AND BUSINESS SYSTEMS (32-CSBS)	Discrete Structures	Data Structures	Computational statistics	Python Programming	Computer Organization and Architecture	Business Economics & Financial Analysis

DATE: 03-12-2021


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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II YEAR B.TECH I SEMESTER R18 REGULATION I -MID TERM EXAMINATIONS DEC-2021(IN OFFLINE MODE)

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COMPUTER SCIENCE INFORMATION TECHNOLOGY CSIT(33)	Discrete Structures	Data Structures	Computational statistics	Python Programming	Computer Organization and Architecture	Business Economics & Financial Analysis
INFORMATION TECHNOLOGY AND ENGINEERING (34- ITE)	Analog and Digital Electronics	Data Structures	Statistical Methods for Data Science	Python Programming	Computer Organization & Microcontroller	---
COMPUTER ENGINEERING (SOFTWARE ENGINEERING) (56-CE(SE))	Analog and Digital Electronics	Data Structures	Computer Oriented Statistical Methods	Python Programming	Computer Organization and Architecture	--
COMPUTER SCIENCE AND ENGINEERING) (CYBER SECURITY) (62-CSE(CS))	Analog and Digital Electronics	Data Structures	Mathematical and Statistical Foundations	Python Programming	Computer Organization and Architecture	


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DATE: 03-12-2021

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II YEAR B.TECH I SEMESTER R18 REGULATION I -MID TERM EXAMINATIONS DEC-2021(IN OFFLINE MODE)
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COMPUTER SCIENCE AND ENGINEERING (ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING) (66-CSE(AI&ML))	Discrete Mathematics	Data Structures	Mathematical and Statistical Foundations	Python Programming	Computer Organization and Architecture	Business Economics & Financial Analysis
COMPUTER SCIENCE AND ENGINEERING (DATASCIENCE) (67-CSE(DS))	Discrete Mathematics	Data Structures	Mathematical and Statistical Foundations	Python Programming	Computer Organization and Architecture	Business Economics & Financial Analysis
COMPUTER SCIENCE AND ENGINEERING (IOT) (69-CSE(IOT))	Analog and Digital Electronics	Data Structures	Computer Oriented Statistical Methods	Python Programming	Discrete Mathematics	--
COMPUTER SCIENCE AND ENGINEERING (NETWORKS) (70-CSE(NETWORKS))	Analog and Digital Electronics	Data Structures	Computer Oriented Statistical Methods	Python Programming	Computer Organization and Architecture	----

DATE: 03-12-2021


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 CONTROLLER OF EXAMINATIONS

Note: ANY OMISSIONS OF
 (1) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
 LE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.

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EXAMINATION BRANCH

III YEAR B.TECH –I SEMESTER – R18 REGULATION I MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

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CIVIL ENGINEERING (01-C E)	Structural Analysis-II	Geotechnical Engineering	Structural Engineering-I	Transportation Engineering	Concrete Technology	Engineering Economics and Accountancy Machinery Common to (CE, MME)
					Theory of Elasticity	
					Rock Mechanics	
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	
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	Operations Research

DATE: 30-10-2021


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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	
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	Computer Graphics Common to (CSE, IT)
					Advanced Computer Architecture Common to (CSE, IT)	Advanced Operating Systems Common to (CSE, IT)
					Data Analytics Common to (CSE, IT)	Informational Retrieval Systems
					Image Processing Common to (CSE, IT)	Distributed Databases
					Principles of Programming Languages Common to (CSE, IT)	Natural Language Processing
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)	Instrumentation Practices in Industries	---
					Operating Systems	
					Robotics and Automation	

DATE: 30-10-2021


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

KUKATPALLY - HYDERABAD - 500085

EXAMINATION BRANCH

III YEAR B.TECH - I SEMESTER - R18 REGULATION I MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

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INFORMATION TECHNOLOGY (12-IT)	Formal Languages & Automata Theory Common to (CSE, IT)	Software Engineering Common to (CSE, IT)	Data Communication & Computer Networks	Web Programming	Biometrics	Database Security
					Advanced Computer Architecture Common to (CSE, IT)	Advanced Operating Systems Common to (CSE, IT)
					Data Analytics Common to (CSE, IT)	Machine Learning
					Image Processing Common to (CSE, IT)	Pattern Recognition
					Principles of Programming Languages Common to (CSE, IT)	Computer Graphics Common to (CSE, IT)
MECHANICAL ENGINEERING (MECHATRONICS) (14-MECT)	Dynamics of Machinery Common to (ME, MCT)	CAD/CAM	Mechanical Measurements & Control Systems	Business Economics & Financial Analysis Common to (EEE, ME, ECE, EIE, MCT, AE)	Manufacturing Process & Machine Tools	Principles of Machine Design
METALLURGY AND MATERIAL ENGINEERING (18-MMT)	Non-Ferrous Extractive Metallurgy	Environmental Degradation of Materials	Mechanical Working of Metals	--	Powder Metallurgy	Engineering Economics and Accountancy Common to (CE, MME)
					Nuclear Materials	
					Fatigue and Fracture Mechanics	

DATE: 30-10-2021


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JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD

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EXAMINATION BRANCH

III YEAR B.TECH -I SEMESTER - R18 REGULATION I MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

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AERONUTICAL ENGINEERING (21- AE)	Aircraft Propulsion	High Speed Aerodynamics	Finite Element Methods	Business Economics and Financial Analysis Common to (EEE ,ME, ECE, ,EIE,MCT, AE)	Aircraft Systems and Controls	Aircraft Performance and Stability
MINING ENGG. (25-MNE)	Introduction to Industrial Engineering	Mine Environmental Engineering -II	Mine Mechanization-II	Surface Mining Technology	Environmental Management in Mines	---
					Tunneling Engineering	
					Mining of Deep-Seated Deposits	
PETROLIUM ENGG. (27- PTME)	Instrumentation and Process Control	Drilling Technology	Thermodynamics for Petroleum Engineers	Fundamentals of Management for Engineers	Well Logging & Formation Evaluation	Health, Safety & Environment in Petroleum Industry
INFORMATION TECHNOLOGY AND ENGINEERING (34- ITE)	Formal Languages & Automata Theory	Software Engineering	Computer Networks	Scripting Languages	Data Science	Distributed Databases
					Soft Computing	Artificial Intelligence
					Biometrics	Database Security
					Object Oriented Analysis & Design	Software Reliability
					Computer Graphics	Principles of Programming Languages

DATE: 30-10-2021

NOTE:

- I) ANY OMISSIONS OR CLASHES IN THIS TIME TABLE MAY PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- II) EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL.
- III) THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R18 REGULATION

SD/-
CONTROLLER OF EXAMINATIONS


PRINCIPAL
Avanathi Institute of Engg. & Tech.
Gunturapally (V), Abulnagar (M.D.), R.R. Dist.

Phone: Off: +91-40-23152216
Web : www.jntuh.ac.in
E Mail: manzoorjntu@gmail.com



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. A1/Academic Calendar 2020-21/2020

Date: 20.08.2020

To,
All the Principals of Constituent and Affiliated Colleges of JNTUH.

Sir/Madam,

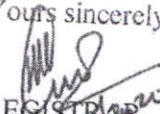
- Sub: JNT University Hyderabad – Directorate of Academic & Planning – Academic Calendar for 2020-21 in respect of B.Tech./B.Pharm. II, III and IV years I & II Semesters for all Constituent & Affiliated Colleges of JNTUH- Regarding
- Ref: 1 UGC Circular “Revised Guidelines on Examinations and Academic Calendar for the Universities in view of COVID-19 Pandemic” on 06.07.2020.
2 AICTE F.No. AICTE/AB/Academic Calendar/2020-21, dt. 07.07.2020 of the Member Secretary, AICTE, New Delhi.
3. UGC Guidelines on Examinations and Academic Calendar for the Universities in View of COVID-19 Pandemic and Subsequent Lockdown on 29.04.2020.

Vide reference cited (1), UGC has issued revised guidelines on examination and academic calendar for all Universities, in view of the COVID-19 on 06.07.2020. All the ACITE approved institutions / universities are requested to follow UGC Revised Guidelines on Examination. Accordingly, AICTE issued Revised Academic Calendar for 2020-21 for Technical Institution (ref.2).

In view of the above, the classes commence from 24.08.2020 for the existing students (under JNTUH) of technical courses, both UG and PG. Initially, the classes will be conducted in online mode for 2 to 3 hours per day and based on situation classes may be conducted for 4 to 5 hours in blended mode following the prescribed protocols/guidelines related to COVID-19. The Academic Calendar 2020-21 for B.Tech./ B.Pharm. II, III & IV Years -I & II Semesters for all Constituent & Affiliated Colleges of JNTUH is enclosed. Make recording of online presentations, regular attendance and day-wise schedule for submission to the University if required.

The Principals of all Constituent and Affiliate College are requested to take necessary action.

Yours sincerely,


REGISTRAR
20/8/20

Copy to the DE/PA to Rector/ PA to Vice-Chancellor, JNTUH, Hyderabad.


PRINCIPAL
Avanhi Institute of Engg. & Tech.
Guntur Rd., Anaparthi (Dist.), R.R. Dist.



JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD
HYDERABAD-500085

Avanathi Institute of Engineering and Technology(Q6)

B.Tech - R18 - III Year - I Semester

COMPUTER SCIENCE AND ENGINEERING

Final University Consolidated Internal Marks Report-Date- 2022-03-02 14.17.56

HNT0	15501	15506	15529	15531	15532	155AA	155AN	155AY	155BK	155DB	155DN
18Q61A0505	20	16	18	76	87	16	20	15	16	16	17
18Q61A0512	20	16	18	76	87	16	17	15	16	16	16
18Q61A0520	20	18	18	76	87	15	16	15	16	18	17
18Q61A0541	20	18	19	88	88	16	20	15	16	16	18
18Q61A0545	20	19	20	88	88	18	22	17	16	19	20
18Q61A0547	22	19	19	88	88	19	21	18	17	20	21
18Q61A0548	20	18	19	87	87	16	20	15	16	16	18
18Q61A0553	20	16	18	75	87	16	16	15	17	16	17
18Q61A0558	20	16	18	75	87	19	17	15	15	16	17
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18Q61A0591	20	16	18	87	87	15	15	15	15	16	17
18Q61A0597	20	19	19	89	89	16	16	15	17	18	20
18Q61A0599	-1	-1	-1	-1	-1	7	7	7	7	7	7
18Q61A05A8	20	18	19	88	88	15	19	17	16	16	18
19Q61A0501	20	23	23	95	95	22	23	22	22	23	25
19Q61A0502	22	20	21	93	91	22	24	23	22	24	25
19Q61A0503	20	24	24	96	96	24	23	23	22	23	25
19Q61A0504	22	20	21	92	92	20	23	21	21	22	23
19Q61A0505	20	20	20	90	90	23	22	21	22	22	23
19Q61A0506	20	20	21	92	92	21	22	22	20	21	25
19Q61A0507	22	20	20	91	91	22	23	21	22	22	24
19Q61A0508	22	20	21	89	89	23	23	22	22	22	23
19Q61A0509	22	24	24	93	96	23	23	24	22	25	25
19Q61A0510	20	19	19	89	89	19	21	21	20	21	24
19Q61A0511	22	19	20	88	88	21	21	21	20	21	24
19Q61A0512	20	20	20	91	91	21	21	20	22	21	20
19Q61A0513	20	20	21	91	91	19	19	18	21	22	20
19Q61A0514	20	23	23	95	95	18	18	20	19	17	23
19Q61A0515	22	19	20	89	89	21	22	21	21	21	23
19Q61A0516	20	20	21	89	89	18	20	21	20	19	23
19Q61A0517	22	18	19	87	87	23	22	22	20	21	22

Handwritten Signature
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HNT0	15501	15506	15529	15531	15532	155AA	155AN	155AY	155BK	155DB	155DN
19Q61A0518	20	18	18	85	85	19	21	23	20	21	24
19Q61A0519	20	23	23	95	95	24	24	22	22	24	25
19Q61A0520	20	20	21	92	92	20	21	23	19	23	24
19Q61A0521	20	24	24	96	96	24	23	19	23	23	24
19Q61A0522	18	18	18	76	87	16	18	17	16	17	18
19Q61A0523	20	18	19	87	87	15	19	21	17	16	19
19Q61A0524	20	20	20	91	91	23	23	21	22	23	23
19Q61A0525	22	20	21	93	93	23	23	22	21	22	23
19Q61A0526	24	24	24	96	96	24	22	23	24	24	24
19Q61A0527	22	23	23	95	95	24	23	22	24	22	24
19Q61A0528	20	22	23	94	94	21	18	19	17	19	23
19Q61A0529	22	18	19	87	87	19	21	19	17	19	18
19Q61A0530	22	20	20	91	91	22	23	22	21	23	24
19Q61A0531	22	22	23	95	95	22	22	21	19	22	22
19Q61A0532	22	20	21	91	91	20	21	20	19	22	23
19Q61A0533	23	23	23	93	94	22	22	21	22	21	23
19Q61A0534	22	20	21	92	92	20	19	20	19	19	23
19Q61A0535	22	22	23	94	94	19	21	20	20	21	22
19Q61A0536	22	23	23	95	95	20	22	20	19	19	24
19Q61A0537	22	20	21	90	90	19	20	17	17	19	20
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19Q61A0539	20	22	22	94	94	20	22	21	24	21	23
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19Q61A0541	22	21	22	93	93	22	21	21	21	20	23
19Q61A0542	20	20	20	90	90	21	21	20	19	20	23
19Q61A0543	18	20	21	92	92	16	17	20	16	18	23
19Q61A0544	22	20	22	94	94	15	20	17	18	18	21
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19Q61A0546	18	18	18	87	87	17	17	17	20	15	19
19Q61A0547	20	19	20	89	89	17	18	19	17	19	21
19Q61A0548	22	19	21	90	90	20	17	19	18	16	21
19Q61A0549	20	20	21	92	92	19	17	19	16	18	22
19Q61A0550	22	22	22	94	94	18	19	20	18	20	24
19Q61A0551	20	19	19	89	89	15	17	17	16	16	16
19Q61A0552	20	18	19	88	88	15	15	16	16	16	17
19Q61A0553	22	19	20	89	89	21	20	21	19	20	21
19Q61A0554	22	24	24	96	96	23	21	23	21	24	24
19Q61A0555	22	20	21	92	92	23	21	22	20	22	24
19Q61A0556	23	24	24	93	94	23	22	22	22	23	24
19Q61A0557	22	19	20	90	90	15	18	17	16	18	20
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19Q61A0559	22	19	19	88	88	21	21	20	20	19	21
19Q61A0560	22	18	19	87	87	16	18	18	17	17	18
19Q61A0561	22	20	21	92	92	20	19	18	16	19	21
19Q61A0562	20	24	24	96	96	24	25	24	24	24	25

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 Institute of Engg. & Tec
 Sultan Abdul Karim (M.A.) R.R.

HNT0	15501	15506	15529	15531	15532	155AA	155AN	155AY	155BK	155DB	155DN
19Q61A0563	22	22	23	94	94	21	24	22	19	21	23
19Q61A0564	22	23	23	95	95	22	24	23	23	23	25
19Q61A0565	22	21	22	92	92	20	19	20	23	22	24
19Q61A0566	22	22	23	95	95	23	22	20	21	20	21
19Q61A0567	20	24	24	96	96	24	22	20	24	21	24
19Q61A0568	22	24	24	96	96	24	24	24	24	24	25
19Q61A0569	20	20	18	89	87	15	15	16	20	17	19
19Q61A0570	20	22	23	94	94	21	22	22	23	22	24
19Q61A0571	22	22	22	93	93	23	22	23	24	23	25
19Q61A0572	-1	-1	-1	-1	-1	8	7	8	8	8	9
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19Q61A0575	20	22	22	94	94	23	23	21	24	22	23
19Q61A0576	20	18	18	86	86	19	20	20	16	20	20
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19Q61A0592	22	24	23	94	94	21	18	23	22	22	25
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19Q61A0597	23	23	24	95	95	23	23	22	23	23	25
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19Q61A05A1	24	24	24	96	96	24	23	23	22	22	22
19Q61A05A2	20	20	21	92	92	21	22	21	19	20	21
19Q61A05A3	20	18	20	88	88	16	15	17	18	17	18
19Q61A05A4	22	23	23	95	95	23	23	22	23	22	24
19Q61A05A5	20	20	21	92	92	20	22	21	19	21	21
19Q61A05A6	24	24	24	96	96	21	22	22	18	23	21
19Q61A05A7	20	20	21	90	90	22	22	22	19	22	24

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 Guntur, N. Abdullapurmet (Mdr), R.R. Dis

HNT0	15501	15506	15529	15531	15532	155AA	155AN	155AY	155BK	155DB	155DN
19Q61A05A8	22	20	22	93	93	17	21	17	18	21	23
19Q61A05A9	20	18	20	88	88	16	15	17	19	17	17
19Q61A05B0	22	22	23	94	94	23	24	23	22	23	23
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19Q61A05B4	20	20	21	92	92	16	18	20	19	20	20
19Q61A05B5	20	20	20	90	90	19	19	21	23	19	20
19Q61A05B6	22	20	21	91	91	19	21	22	19	22	20
19Q61A05B7	22	22	22	93	93	22	24	22	23	22	24
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19Q61A05C1	24	23	22	93	93	23	24	24	23	24	23
19Q61A05C2	24	24	24	96	96	24	24	23	24	24	25
19Q61A05C3	23	23	23	95	95	23	25	21	24	24	22
19Q61A05C4	22	20	21	92	92	20	21	19	21	19	20
19Q61A05C5	20	20	22	93	93	20	22	19	19	18	22
19Q61A05C6	22	20	20	91	91	19	23	21	20	20	23
19Q61A05C7	20	20	21	92	92	23	23	21	21	21	23
19Q61A05C8	20	21	21	92	92	20	24	20	22	22	23
19Q61A05C9	20	20	20	91	91	20	23	20	19	22	22
19Q61A05D0	20	20	22	92	92	20	22	20	17	21	20
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19Q61A05D2	20	20	20	91	91	20	22	21	18	21	22
19Q61A05D3	20	19	19	89	89	17	19	19	18	20	21
19Q61A05D4	22	21	22	92	92	20	23	20	18	20	22
19Q61A05D5	22	20	20	90	90	20	23	19	18	21	20
19Q61A05D6	22	20	21	92	92	21	20	19	19	20	22
19Q61A05D7	22	20	21	91	91	21	23	21	17	21	21
19Q61A05D8	24	24	24	96	96	23	24	21	22	25	23
19Q61A05D9	22	20	20	91	91	20	23	17	22	19	22
19Q61A05E0	22	20	21	92	92	20	22	20	17	21	22
19Q61A05E1	24	24	24	96	96	24	23	23	22	23	22
19Q61A05E2	22	20	20	91	91	15	22	22	20	23	22
19Q61A05E3	22	20	22	92	92	20	23	20	18	20	24
19Q61A05E4	20	22	22	94	94	21	21	20	19	22	22
19Q61A05E5	22	20	20	90	90	21	21	21	20	20	23
19Q61A05E6	22	20	20	90	90	22	23	21	22	22	21
19Q61A05E7	20	22	22	94	94	23	24	23	23	24	22
19Q61A05E8	22	20	20	91	91	22	22	22	22	22	20
19Q61A05E9	20	20	21	90	91	22	23	21	21	21	22
19Q61A05F0	20	20	20	90	90	19	22	20	18	20	21
19Q61A05F1	20	20	21	92	90	22	22	20	20	21	20
19Q61A05F2	22	21	22	94	94	19	19	20	18	20	20


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 C. Abdullapurmat (MKA), R.R.

HNT0	15501	15506	15529	15531	15532	155AA	155AN	155AY	155BK	155DB	155DN
20Q65A0501	20	20	20	91	94	22	24	21	22	21	22
20Q65A0502	20	24	24	96	96	23	24	24	24	24	25
20Q65A0503	20	20	20	90	90	21	22	20	21	20	21
20Q65A0505	22	20	20	91	91	22	24	21	20	22	20
20Q65A0506	20	24	24	96	96	23	25	23	23	22	25
20Q65A0507	20	22	22	94	94	22	23	21	21	21	22
20Q65A0508	22	20	20	91	91	22	22	20	22	18	22
20Q65A0509	22	22	22	94	94	22	23	22	21	21	21
20Q65A0510	20	20	21	92	92	20	19	21	19	21	21
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20Q65A0512	20	24	24	96	96	23	22	21	23	22	20
20Q65A0513	20	19	18	89	87	18	15	20	16	19	17
20Q65A0514	22	24	24	96	96	23	23	22	22	22	21
20Q65A0515	22	20	18	91	87	15	15	16	15	16	18
20Q65A0516	22	21	21	92	92	21	23	21	22	22	23
20Q65A0517	22	22	22	94	94	21	24	23	21	22	23
20Q65A0518	22	20	20	91	91	21	20	20	18	20	22
20Q65A0519	-1	-1	-1	-1	-1	8	7	9	8	8	8
20Q65A0520	22	20	21	92	92	21	23	21	19	22	19
Total:186	385 8	376 5	386 3	166 35	167 00	375 8	389 4	376 2	368 3	380 5	401 7

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

Subject Code	Subject Name
155DN	WEB TECHNOLOGIES
155BK	FORMAL LANGUAGES & AUTOMATA THEORY
155AY	DISTRIBUTED DATABASES
15529	SOFTWARE ENGINEERING LAB
15531	INTELLECTUAL PROPERTY RIGHTS
155DB	SOFTWARE ENGINEERING
155AN	COMPUTER NETWORKS
15501	ADVANCED COMMUNICATION SKILLS LAB
155AA	ADVANCED COMPUTER ARCHITECTURE
15532	ARTIFICIAL INTELLIGENCE
15506	COMPUTER NETWORKS & WEB TECHNOLOGIES LAB

Signature Of Principal with Date & Office seal

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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

TIME TABLE

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

BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
CIVIL ENGINEERING (01-CE)	Estimation, Costing and Project Management	Professional Practice law & Ethics	E3	E4	OE2
			Remote Sensing & GIS	Irrigation and Hydraulic Structures	Data Structures
			Advanced Structural Design	Pipeline Engineering	Artificial Intelligence
			Ground Improvement Techniques	Ground Water Hydrology	Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
			Basic Mechanical Engineering		
Natural Gas Engineering					
Engineering Materials					
Surface Engineering					
Health & Safety in Mines					
Material Handling in Mines					

Date: 30-10-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

TIME TABLE

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

BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
ELECTRICAL AND ELECTRONICS ENGINEERING (02-EEE)	Fundamentals of Management for Engineers	---	E3	E4	OE2
			Digital Control systems	HVDC Transmission	Data Structures
			Digital Signal Processing	Power System Reliability	Artificial Intelligence
			Electrical and Hybrid Vehicles	Industrial Electrical Systems	Remote Sensing & GIS
					Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Basic Mechanical Engineering
		Natural Gas Engineering			
		Engineering Materials			
		Surface Engineering			
		Health & Safety in Mines			
		Material Handling in Mines			

Date: 30-10-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

TIME TABLE

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

BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
MECHANICAL ENGINEERING (03-ME)	Refrigeration & Air Conditioning	E2	E3	E4	OE2
		Additive Manufacturing	Power Plant Engineering	Computational Fluid Dynamics	Remote Sensing & GIS
		Automation in Manufacturing	Automobile Engineering	Turbo Machinery	Data Structures
		MEMS	Renewable Energy Sources	Fluid Power Systems	Artificial Intelligence Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Engineering Materials
			Surface Engineering		
			Natural Gas Engineering		
			Health & Safety in Mines		
			Material Handling in Mines		

Date: 30-10-2021



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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

TIME TABLE

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

BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
ELECTRONICS AND COMMUNICATION ENGINEERING (04-ECE)	Microwave and Optical Communications	Professional Practice law & Ethics	E3	E4	OE2
			Artificial Neural Networks	Biomedical Instrumentation	Data Structures
			Scripting Languages	Database Management Systems	Artificial Intelligence
			Digital Image Processing		Remote Sensing & GIS
					Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Basic Mechanical Engineering
		Natural Gas Engineering			
		Engineering Materials			
		Surface Engineering			
		Health & Safety in Mines			
		Material Handling in Mines			

Date: 30-10-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

TIME TABLE

TIME → FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBJECTIVE EXAM: 12.40 PM TO 1.00 PM)

AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE EXAM: 3.40 PM TO 04. 40 PM, OBJECTIVE EXAM: 4.40 PM TO 05.00 PM)

BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
COMPUTER SCIENCE AND ENGINEERING G (05-CSE)	Cryptography & Network Security	Data Mining	E4	E5	OE2
			Graph Theory	Advanced Algorithms	Remote Sensing & GIS
					Fundamentals of Biomedical Applications
					Electronic Sensors
			Introduction to Embedded Systems	Real Time Systems	Utilization of Electrical Energy
					Electric Drives and Control
					Basic Mechanical Engineering
			Artificial Intelligence	Soft Computing	Basics of Aeronautical Engineering
					Intellectual Property Rights
			Cloud Computing	Internet of Things	Principles of Entrepreneurship
					Basic Mechanical Engineering
			Ad-hoc & Sensor Networks	Software Process & Project Management	Natural Gas Engineering
Engineering Materials					
Surface Engineering					
		Health & Safety in Mines			
		Material Handling in Mines			

Date: 30-10-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

TIME TABLE

TIME → FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBJECTIVE EXAM: 12.40 PM TO 1.00 PM)

AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE EXAM: 3.40 PM TO 04. 40 PM, OBJECTIVE EXAM: 4.40 PM TO 05.00 PM)

BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
ELECTRONICS AND INSTRUMENTATION ENGINEERING (10-EIE)	Analytical Instrumentati on	Professional Practice, Law & Ethics	E3	E4	OE2
			Pharmaceutical Instrumentation	Biomedical Instrumentation	Remote Sensing & GIS
			Virtual Instrumentation		Data Structures
			MEMS and its applications	Computer Networks	Artificial Intelligence
					Python Programming
			Artificial Neural Networks	Java Programming	
				Electronic Sensors	
				Utilization of Electrical Energy	
				Electric Drives and Control	
				Basic Mechanical Engineering	
				Basics of Aeronautical Engineering	
				Intellectual Property Rights	
				Principles of Entrepreneurship	
			Natural Gas Engineering	Basic Mechanical Engineering	
Engineering Materials					
Surface Engineering					
Health & Safety in Mines					
Material Handling in Mines					

Date: 30-10-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE)

TIME TABLE

TIME → FN: 11.40 AM TO 1.00 PM (DESCRIPTIVE EXAM: 11.40 AM TO 12.40 PM, OBJECTIVE EXAM: 12.40 PM TO 1.00 PM)

AN: 3.40 PM TO 5.00 PM (DESCRIPTIVE EXAM: 3.40 PM TO 04. 40 PM, OBJECTIVE EXAM: 4.40 PM TO 05.00 PM)

BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY		
INFORMATION TECHNOLOGY (12- I T)	Information Security	Data Mining	E4	E5	OE2		
			Web Security	Intrusion Detection Systems	Remote Sensing & GIS		
				Real Time Systems	Fundamentals of Biomedical Applications		
				Soft Computing	Electronic Sensors		
			High Performance Computing	Distributed Databases		Utilization of Electrical Energy	
				Artificial Intelligence		Distributed Databases	Electric Drives and Control
			Cloud Computing				Basic Mechanical Engineering
							Ad-hoc & Sensor Networks
			Ad-hoc & Sensor Networks	Intellectual Property Rights			
				Ad-hoc & Sensor Networks			Principles of Entrepreneurship
			Ad-hoc & Sensor Networks				Basic Mechanical Engineering
				Ad-hoc & Sensor Networks			Natural Gas Engineering
			Ad-hoc & Sensor Networks				Engineering Materials
Ad-hoc & Sensor Networks	Surface Engineering						
	Ad-hoc & Sensor Networks	Health & Safety in Mines					
Ad-hoc & Sensor Networks		Material Handling in Mines					

Date: 30-10-2021



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BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
MECHANICAL ENGINEERING (MECHATRONICS) (14-MECT)	Automobile Engineering	E2	E3	E4	OE2
		Operations Research	Power Plant Engineering	Computational Fluid Dynamics	Remote Sensing & GIS Data Structures
		Computer Organization	Product Design & Assembly Automation	Advanced Kinematics and Dynamics of Machinery	Artificial Intelligence Python Programming
		Advanced Data Structures	Renewable Energy Sources	Flexible Manufacturing Systems	Java Programming Fundamentals of Biomedical Applications Electronic Sensors Utilization of Electrical Energy Electric Drives and Control Basic Mechanical Engineering Basics of Aeronautical Engineering Natural Gas Engineering Engineering Materials Surface Engineering Health & Safety in Mines Material Handling in Mines

Date: 30-10-2021


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BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
METALLURGICAL AND MATERIALS ENGINEERING (18-MMT)	Introduction to Instrumentation	Fundamentals of Management for Engineers	E3	E4	OE2
			Alternate Routes of Iron & Steel Making	Functional Materials	Remote Sensing & GIS
					Data Structures
				Computational Materials Engineering	Artificial Intelligence Python Programming Java Programming
			Bio Materials	Ceramics Science and Technology	Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
			Non-Destructive Testing		Electric Drives and Control
					Basic Mechanical Engineering
					Basics of Aeronautical Engineering
					Intellectual Property Rights
					Principles of Entrepreneurship
					Basic Mechanical Engineering
		Natural Gas Engineering			
		Health & Safety in Mines			
		Material Handling in Mines			

Date: 30-10-2021


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BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
AERONAUTICAL ENGINEERING (21-AE)	Vibration and Aero-elasticity	E2	E3	E4	OE2
		Space Mechanics	Experimental Aerodynamics	Industrial Aerodynamics	Remote Sensing & GIS
		Rockets and Missiles			Data Structures
		Wind Tunnel Technique			Artificial Intelligence
			Hypersonic Aerodynamics		Python Programming
		Advanced Computational Aerodynamics		Turbo Machinery	Java Programming
			Theory of Combustion		Fundamentals of Biomedical Applications
		Electronic Sensors			
		Utilization of Electrical Energy			
		Electric Drives and Control			
		Basic Mechanical Engineering			
		Theory of Combustion	Intellectual Property Rights		
			Principles of Entrepreneurship		
			Basic Mechanical Engineering		
			Natural Gas Engineering		
		Theory of Combustion	Engineering Materials		
Surface Engineering					
Health & Safety in Mines					
Theory of Combustion	Theory of Combustion	Theory of Combustion	Material Handling in Mines		

Date: 30-10-2021


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BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY	
MINING ENGG. (25-MNE)	Underground Metal Mining Technology	Mine Legislation	E3	E4	OE2	
			Advanced Surface Mining	Rock Slope Technology	Remote Sensing & GIS	
				Mine Systems Engineering	Data Structures	Artificial Intelligence
			Rock Fragmentation Engineering		Python Programming	Java Programming
				Risk Assessment and Management	Fundamentals of Biomedical Applications	Electronic Sensors
			Dimensional Stone Technology		Utilization of Electrical Energy	Electric Drives and Control
					Basic Mechanical Engineering	Basics of Aeronautical Engineering
					Intellectual Property Rights	Principles of Entrepreneurship
					Basic Mechanical Engineering	Natural Gas Engineering
					Engineering Materials	Surface Engineering

Date: 30-10-2021


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EXAMINATION BRANCH

IV YEAR B.TECH – I SEMESTER– R18 REGULATION I - MID TERM EXAMINATIONS NOVEMBER-2021-(IN OFFLINE MODE) TIME TABLE

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BRANCH	08-11-2021 FN MONDAY	08-11-2021 AN MONDAY	09-11-2021 FN TUESDAY	09-11-2021 AN TUESDAY	10-11-2021 FN WEDNESDAY
PETROLEUM ENGINEERING (27 - PTME)	Petroleum Economics, Policies & Laws	E2	E3	E4	OE2
		Optimization of Upstream Processes	Shale Gas Reservoir Engineering	Pipeline Maintenance Engineering	Remote Sensing & GIS
				Natural Gas Processing	Data Structures
			Petroleum Reservoir Stimulation		Artificial Intelligence
		Chemical Reaction Engineering	Petroleum Reservoir Modelling & Simulation	Petrochemical Engineering	Python Programming
					Java Programming
					Fundamentals of Biomedical Applications
					Electronic Sensors
					Utilization of Electrical Energy
					Electric Drives and Control
		Offshore Engineering	Petrochemical Engineering	Petrochemical Engineering	Basic Mechanical Engineering
					Basics of Aeronautical Engineering
Intellectual Property Rights					
Principles of Entrepreneurship					
Basic Mechanical Engineering					
Engineering Materials					
Offshore Engineering	Petrochemical Engineering	Petrochemical Engineering	Surface Engineering		
			Health & Safety in Mines		
			Material Handling in Mines		

Date:30-10-2021


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SD/-
CONTROLLER OF EXAMINATIONS

- Note: ANY OMISSIONS OR CLASH / PLEASE BE INFORMED TO THE CONTROLLER OF EXAMINATIONS IMMEDIATELY.
- EVEN IF GOVERNMENT DECLARES HOLIDAY ON ANY OF THE ABOVE DATES, THE EXAMINATIONS SHALL BE CONDUCTED AS USUAL
 - 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.
 - THE PATTERN OF THE DESCRIPTIVE AND OBJECTIVE TYPE PAPERS SHALL BE IN REGULAR PATTERN AS GIVEN IN R18 REGULATION

SAMPLE OBJECTIVE PAPER

K. Srikanth reddy.
20061A0532.

AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY
II Year B.Tech II-Mid Examinations
(Computer Science & Engineering)
Time: 20 mins b Sub: C++ Marks: 10

Branch: II CSE A&B

Objective type questions:

Answer the multiple-choice questions:

- 1) Compile time polymorphism in C++ language are _____ [B] ✓
a. Operator overloading b. Function overloading c. Function overriding d. None of the above
- 2) C++ abstract class can contain _____ [D] ✓
a. Pure Virtual Function b. Non-virtual function c. only pure virtual function d. Both pure virtual and non-virtual function
- 3) Following keyword is used before a function in a base class to be overridden in derived class in C++? [B] ✓
a. Override b. virtual c. void d. none
- 4) Which of the following cannot be overloaded in C++ [A] ✓
a. Increment operator b. Constructor c. Destructor d. None
- 5) ios state variables holds _____ [A] ✓
a. Boolean variables b. Character type variables c. string type variables d. none of the above
- 6) Manipulators without parameters are defined in _____ file. [D] ✓
a. Conio.h b. io.h c. fstream.h d. iomanip.h
- 7) Which statement is used to catch all types of exceptions [C] ✓
a. Catch() b. catch(int i) c. catch(...) d. None of the above
- 8) An exception caused by [D] ✓
a. A hardware problem b. A problem in the OS c. A syntax error d. A run-time error
- 9) An exception may be thrown from [B] ✓
a. A throw statement in a catch block b. a try block in a function
c. a function called in a try block d. a return statement in a function
- 10) Which of the following is the correct syntax for declaring the constructor if class name is "demo"? [B] ✓
a. Int demo b. Demo() c. Demo: d. None

Fill in the blanks

- 1) virtual void func()=0 is the declaration of pure virtual function in C++.
- 2) Run time binding is related to function overriding.
- 3) Overloaded operators are adding operators to existing operators.
- 4) ios :: showpos returns position format.
- 5) ios :: uppercase returns upper case format.
- 6) Object cin >> and operator << are used for reading.
- 7) <istream> is a C++ header file for i/o operations.
- 8) Exception handlers are declared with catch keyword.
- 9) The C++ code which causes abnormal termination/ behavior of a program should be written under try block.
- 10) The throw block is immediately followed by the catch block, irrespective of the location of the throw point.


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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

Gunthapally (V) Abdullapurmet(M), Hyderabad, pin-501512

DEPARTMENT OF MECHANICAL ENGINEERING

MID TERM EXAMINATION 2021 (ON LINE MODE)

SUBJECT: Production planning and control

MAX MARKS -20M

ANSWER ANY FOUR QUESTIONS

1. Explain the use of line balancing in production control? Explain in detail the steps involved in LOB?
2. Explain about JIT System and applications?
3. Explain about scheduling?
4. Explain the applications of computers in production, control and planning?
5. Discuss in detail the sequential steps involved in dispatching?
6. What is meant by aggregate planning write its functions, merits and demerits?

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Name: D. Venkatesh Exam - MID-2

Date: 17-8-21

Roll No: 17065 A0338 Sub: PPC

Page No: ①

① Explain the use of Line Balancing in production control. Explain in detail the steps involved in LOB?

A: Line of Balance (LOB) is a management control process for collecting, measuring and presenting facts relating to time, cost and accomplishment - all measured against a specific plan. It shows the process, status, background, timing and phasing of the project activities.

- Comparing actual progress with a formal objective plan.
- Examining only the deviation from established plans.
- Receiving timely information concerning trouble areas and indicating areas where appropriate corrective action is required.
- Forecasting future performance.

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The LOB it self is a graphic device that enables a manager to see at glance which activities of an operation are "in balance" i.e., whether those which should be have been completed in the time of the review actually are completed and whether any activities scheduled for future completion are lagging behind schedule.

The LOB chart comprises only one feature of the whole philosophy which includes numerous danger signal controls for all the various levels of management concerned.

Q) Explain the Applications of Computers in production, planning & Control?

A:- Over the last 40 years, the role of computers in the production planning process has changed dramatically.

In the 1970's, a calculator was considered a high-priced luxury item, and business mainframe programs were stored on cards.

Today, every production planner has a personal computer with more processing capability than the mainframes of the past.

Advance in computer hardware and software have enabled production process to operate more efficiently and effectively than ever before.

Some of the areas where computers are used in business & industries are as follow:-

- ① Inventory Control,
- ② Production Planning
- ③ Budgeting and Variance Analysis,
- ④ Quality Control,
- ⑤ Quality Market Research,
- ⑥ Purchase Accounting,
- ⑦ Sales Accounting,
- ⑧ Information management, and so.



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⑤ Discuss in detail the sequential steps involved in dispatching? Page no: 3

A. The procedure of dispatching involves number of activities to be performed in a sequential order as follows.

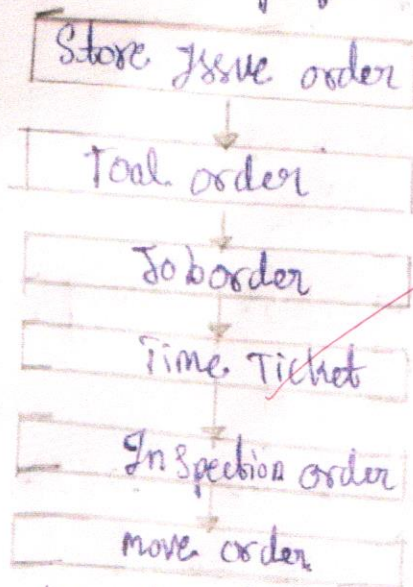


Fig Dispatching procedure.

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① Store Issue order:-

The order of materials is placed by ^{In stocking} ~~Inventory~~ of the store keeper to issue the required quantity of material for manufacture of products.

② Tool order:-

After the material ordered is placed, the tools are ordered. Tools are essential for manufacturing the product.

The tool order is sent to the tool room to issue requisites.

③ Job order:-

Job is the official order from the production department to the shop floor to start the process of manufacturing the product. Job operation instructions are displayed on their racks of the machines for easy monitoring.

④ Time Ticket:-

Page No. - (4)

It is a card which is designed to record the actual time taken to finish the process of production.

⑤ Inspection order:-

The process of production sequence undergoes testing which is termed as inspection.

⑥ Move order:-

It is the order given to move their material from one process to another.

⑦ What is meant by Aggregate planning? Write its functions, merits & demerits:-

A:-

An organization can finalize its business plans on the ^{reform} ~~rate~~ condition of demand.

Once business plans are ready, an organization can do backward looking from the final sales units to raw materials required.

Thus, annual and quarterly plans are broken down into labor, raw material, working capital etc.

This process of working out production requirements for a medium range is called aggregate planning.

Merits of Aggregate planning:-

- ① It helps the organization in dealing with production facilities.
- ② The process helps to develop effective strategic plan as well.
- ③ The planning helps in the optimization of inventory.

Demerits of Aggregate planning:-

- ① Aggregate production planning reduces production at times of weak demand.
- ② This means that money will be saved when production is curtailed.
- ③ The firm will not have to pay for labor that is because of demand.



MAJOR PROJECT BATCHES

Batch No	Roll No	MAJOR PROJECT TITLE	GUIDE	Internal marks	External marks	Total marks
1	17Q65A0338	ANALYSIS OF NATURAL FIBRE REINFORCED POLYMER MATRIX COMPOSITE	Y RAMESH BABU	23	71	94
	17Q61A0321			24	72	96
	18Q65A0323			24	36	60
	18Q65A0326			24	36	60
2	17Q61A0309	INVESTIGATION OF MECHANICAL PROPERTIES ON NON- FERROUS ALLOY (COPPER AND BRASS) JOINTS MADE BY FRICTION STIR WELDING	A SHANKAR	24	72	96
	17Q61A0311			23	71	94
	18Q65A0333			22	71	93
	17Q61A0318			23	71	94
3	17Q61A0305	AGRICULTURE PESTICIDE SPRAYER AND COVID SANITIZER DRONE	RV PRAHLAD	24	71	95
	17Q61A0306			24	72	96
	17Q61A0319			23	71	94
4	17Q61A0307	DESIGN AND FABRICATION OF AGRICULTURAL SPRAYER	M VENKATESHWARLU	23	71	94
	17Q61A0315			23	71	94
	18Q65A0335			24	72	96
5	17Q61A0308	FABRICATION OF PICK AND PLACE OF SOLAR ROBOT ARM	B SWATHI	24	36	60
	17Q61A0316			23	70	93
	18Q65A0314			22	66	88
6	17Q61A0317	DESIGNING AND TESTING OF INSTANT WATER CHILLER	Y RAMESH BABU	24	72	96
	18Q65A0329			22	71	93
	18Q65A0330			23	70	93
	18Q65A0332			22	71	93
7	17Q61A0312	FABRICATION OF DUAL SIDE SHAPER MACHINE USING SCOTCH YOKE MECHANISM	A SHANKAR	24	72	96
	17Q61A0322			24	72	96
	17Q61A0326			22	66	88
	18Q65A0301			23	71	94
8	18Q65A0310	GENERATION OF COMPRESSED AIR USING VEHICLE SUSPENSION SYSTEM	M VENKATESHWARLU	24	72	96
	18Q65A0336			24	72	96
	18Q65A0337			23	72	95
	18D95A0304			24	71	95
9	18Q65A0312	DESIGN AND FABRICATION OF MULTI DIRCTIONAL LIFTING DUMPER	B SWATHI	23	65	88
	18Q65A0320			22	65	87
	18Q65A0331			22	67	89
	18Q65A0304			22	65	87
10	18Q65A0328	FABRICATION OF DRAIN CLEANING MECHANISM	B SWATHI	24	36	60
	18Q65A0325			23	67	90
	18Q65A0327			22	65	87
	17Q61A0309			24	72	96
	17Q61A0316			23	70	93


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11	17Q61A0302	DESIGN AND MANUFACTURING PROCEDURE OF GLASS LINED PRESSURE VESSEL	Y RAMESH BABU	23	68	91
	18Q65A0305			22	66	88
12	18Q65A0307	A LOW TEMPERATURE DIFFERENTIAL STIRLING ENGINE FOR POWER GENERATION	RV PRAHLAD	23	71	94
	17Q61A0313			23	65	88
	18Q65A0311			24	72	96
13	18Q65A0306	FABRICATION OF ELECTROMAGNETIC BRAKING SYSTEM	Y RAMESH BABU	22	67	89
	18Q65A0319			22	67	89
	18Q65A0321			22	65	87
	18Q65A0322			24	36	60
14	18Q65A0313	PREPARATION OF BIO DIESEL FROM PLASTICS	M VENKATESHWARLU	22	65	87
	17Q61A0303			23	38	61
	18Q65A0315			22	71	93
	17Q61A0308			24	36	60
15	18Q65A0314	FABRICATION 4DOF ROBOTIC ARM	A SHANKAR	22	66	88
	18Q65A0317			24	72	96
	17Q65A0326			22	66	88


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